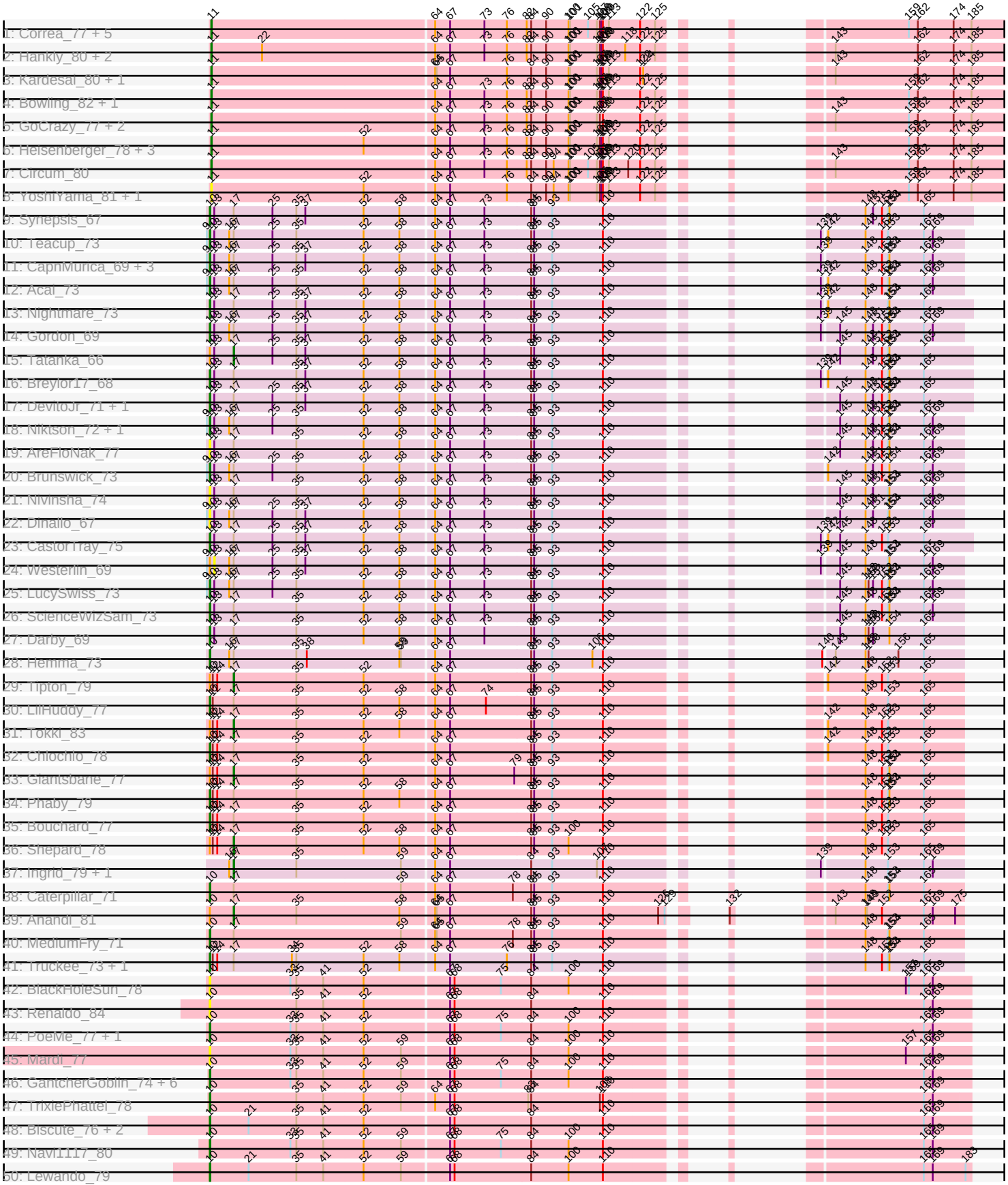
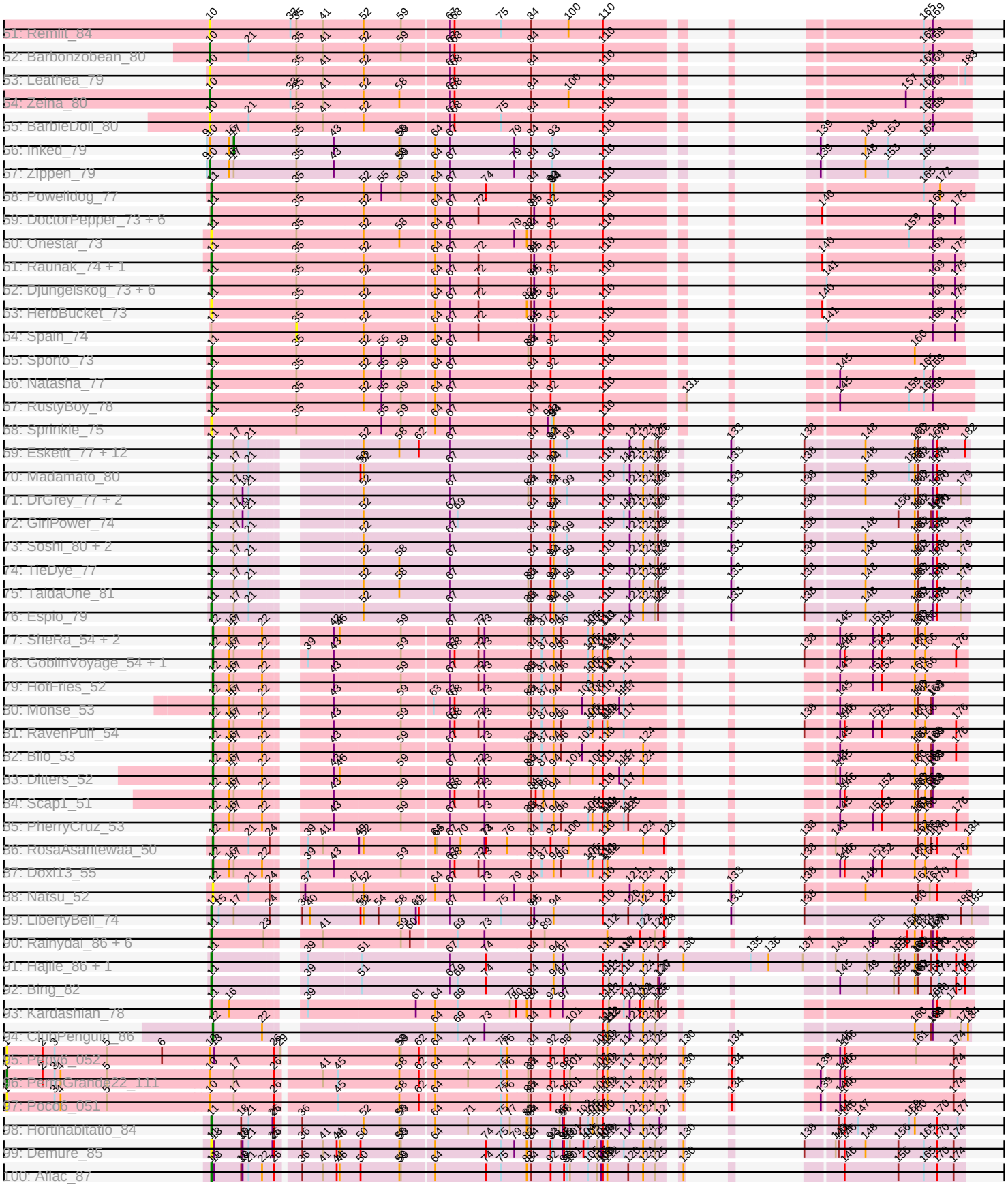
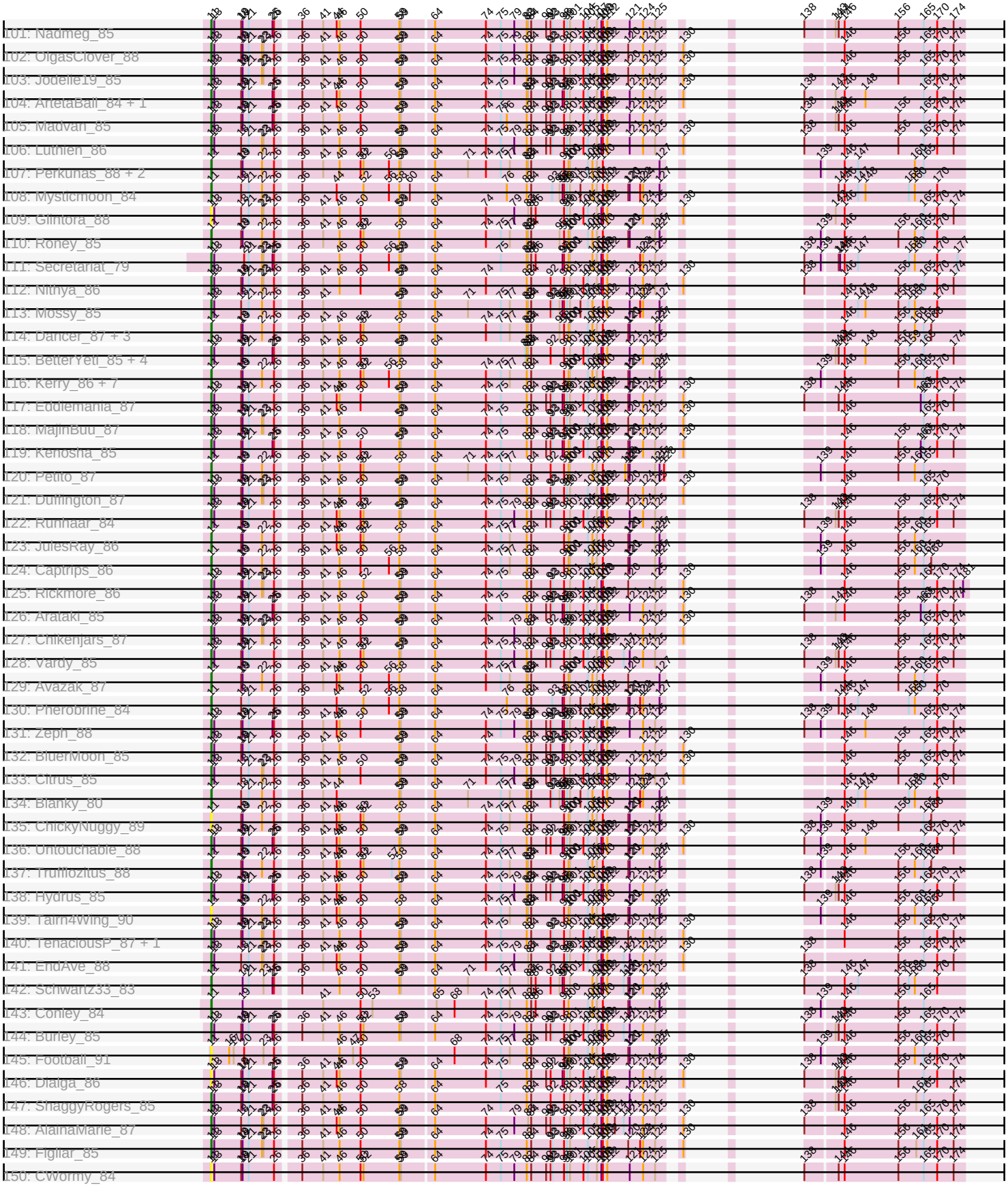
Pham 345329


1: Correa_77 + 5
2: Hankly_80 + 2
3: Kardesai_80 + 1
4: Bowling_82 + 1
5: GoCrazy_77 + 2
6: Heisenberger_78 + 3
7: Circum_80
8: YoshiYama_81 + 1
9: Synepsis_67
10: Teacup_73
11: CaphiMurica_69 + 3
12: Acai_73
13: Nightmare_73
14: Gordon_69
15: Tatanka_66
16: Breylor17_68
17: DevitoJr_71 + 1
18: Niktson_72 + 1
19: AreFloNak_77
20: Brunswick_73
21: Nivinsha_74
22: Dinallo_67
23: CastorTray_75
24: Westerlin_69
25: LucySwiss_73
26: ScienceWizSam_73
27: Darby_69
28: Hemma_73
29: Tipton_79
30: LilHuddy_77
31: Tokki_83
32: Chiochio_78
33: Giantsbane_77
34: Phaby_79
35: Bouchard_77
36: Shepard_78
37: Ingrid_79 + 1
38: Caterpillar_71
39: Anandi_81
40: MediumFly_71
41: Truckee_73 + 1
42: BlackHoleSun_78
43: Renaldo_84
44: PoeMe_77 + 1
45: Mardi_77
46: GantcherGoblin_74 + 6
47: TrixiePhattel_78
48: Biscuit_76 + 2
49: Navi1117_80
50: Lewando_79

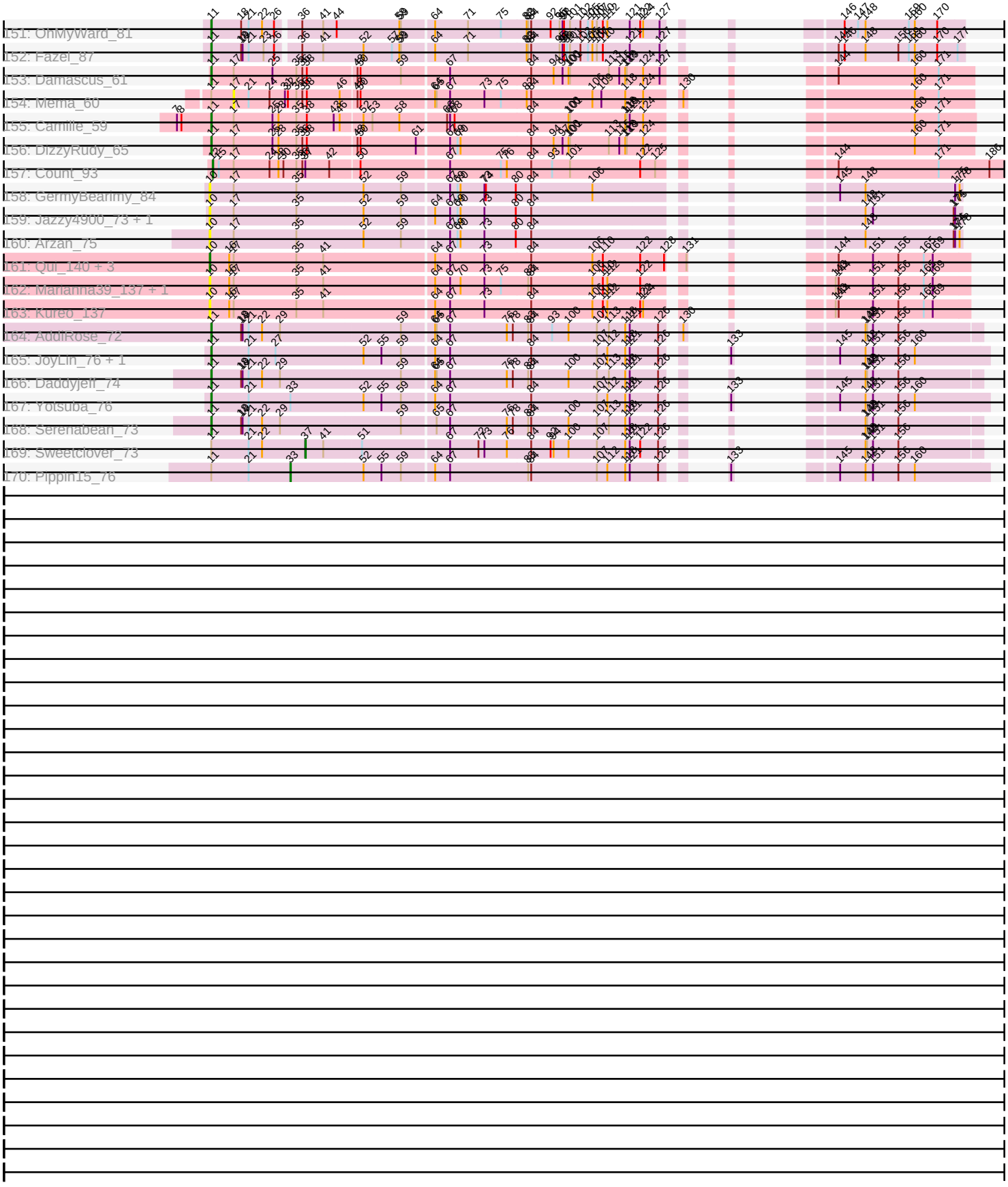
Pham 345329


51: Remlit_84
52: Barbonzobean_80
53: Leathea_79
54: Zelna_80
55: BarbieDoll_80
56: Inked_79
57: Zippen_79
58: Powelldog_77
59: DoctorPepper_73 + 6
60: Onestar_73
61: Rauhak_74 + 1
62: Djungelskog_73 + 6
63: HeroBucket_73
64: Spain_74
65: Sporto_73
66: Natasha_77
67: RustyBoy_78
68: Sprinkle_75
69: Eskefit_77 + 12
70: Madamato_80
71: DrGrey_77 + 2
72: GimPower_74
73: Soshi_80 + 2
74: TieDye_77
75: TaidaOne_81
76: Espio_79
77: SheRa_54 + 2
78: GoblinVoyage_54 + 1
79: HotFries_52
80: Monse_53
81: RavenPuff_54
82: Bilo_53
83: Ditters_52
84: Scap1_51
85: PherryCruz_53
86: RosaAsantewaa_50
87: Doxl13_55
88: Natsu_52
89: LibertyBell_74
90: Rainydal_86 + 6
91: Hajlie_86 + 1
92: Bing_82
93: Kardashian_78
94: CluePenguin_86
95: Patti6_052
96: PandaGranda22_111
97: Poco6_051
98: Hortinabitatio_84
99: Demure_85
100: Allac_87

Pham 345329


101: Nadmeg_85
102: OlgasClover_88
103: Jodelle19_85
104: ArletaBall_84 + 1
105: Madvan_85
106: Luthien_86
107: Perkunas_88 + 2
108: Mysticmoon_84
109: Glintora_88
110: Roney_85
111: Secretariat_79
112: Nithya_86
113: Mossy_85
114: Dancer_87 + 3
115: BetterYeti_85 + 4
116: Kerry_86 + 7
117: Eddiemania_87
118: MajinBuu_87
119: Kenosha_85
120: Petito_87
121: Duffington_87
122: Runhaar_84
123: JulesRay_86
124: Captrips_86
125: Rickmore_86
126: Arataki_85
127: Chikenjars_87
128: Vardy_85
129: Avazak_87
130: Pherobrine_84
131: Zeph_88
132: BlueMoon_85
133: Citrus_85
134: Blanky_80
135: ChickyNuggy_89
136: Untouchable_88
137: Trufflozitus_88
138: Hydrus_85
139: Tairn4Wing_90
140: TenaciousP_87 + 1
141: EndAve_88
142: Schwartz33_83
143: Conley_84
144: Burley_85
145: Football_91
146: Dialga_86
147: ShaggyRogers_85
148: AlainaMarie_87
149: Figliar_85
150: CWormy_84

Pham 345329


151: OhMyWard_81
152: Fazel_87
153: Damascus_61
154: Mema_60
155: Camille_59
156: DizzyRudy_65
157: Count_93
158: GermyBeanmy_84
159: Jazzy4900_73 + 1
160: Arzan_75
161: Qui_140 + 3
162: Marianna39_137 + 1
163: Kureo_137
164: AddiRose_72
165: JoyLin_76 + 1
166: Daddyjeff_74
167: Yotsuba_76
168: Serenabean_73
169: Sweetclover_73
170: Pippin15_76

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 345329 Report

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

Pham number 345329 has 264 members, 42 are drafts.

Phages represented in each track:
- Track 1 : Correa_77, Nason_79, Elsa_79, Tribby_82, Xenomorph_75, Arcadia_79
- Track 2 : Hankly_80, NapoleonB_81, Dynamite_80
- Track 3 : Kardesai_80, Mooshroom_81
- Track 4 : Bowling_82, BenitoAntonio_79
- Track 5 : GoCrazy_77, KeaneyLin_76, Benllo_77
- Track 6 : Heisenberger_78, JEGGS_78, Mudcat_75, Cheesy_80
- Track 7 : Circum_80
- Track 8 : YoshiYama_81, Stardom_79
- Track 9 : Synepsis_67
- Track 10 : Teacup_73
- Track 11 : CapnMurica_69, MiniBagel_73, Tenno_72, Issa_67
- Track 12 : Acai_73
- Track 13 : Nightmare_73
- Track 14 : Gordon_69
- Track 15 : Tatanka_66
- Track 16 : Breylor17_68
- Track 17 : DevitoJr_71, Trustiboi_70
- Track 18 : Niktson_72, ElephantMan_72
- Track 19 : AreFloNak_77
- Track 20 : Brunswick_73
- Track 21 : Nivinsha_74
- Track 22 : Dinallo_67
- Track 23 : CastorTray_75
- Track 24 : Westerlin_69
- Track 25 : LucySwiss_73
- Track 26 : ScienceWizSam_73
- Track 27 : Darby_69
- Track 28 : Hemma_73
- Track 29 : Tipton_79
- Track 30 : LilHuddy_77
- Track 31 : Tokki_83
- Track 32 : Chlochlo_78
- Track 33 : Giantsbane_77
- Track 34 : Phaby_79
- Track 35 : Bouchard_77
- Track 36 : Shepard_78
- Track 37 : Ingrid_79, Loretta_75

• Track 38 : Caterpillar_71
• Track 39 : Anandi_81
• Track 40 : MediumFry_71
• Track 41 : Truckee_73, Makai_75
• Track 42 : BlackHoleSun_78
• Track 43 : Renaldo_84
• Track 44 : PoeMe_77, Stardrop_76
• Track 45 : Mardi_77
• Track 46 : GantcherGoblin_74, Tenney120_77, Uzumaki_75, Argan_75, Altjira_78, Phaila_76, KevinMinion_73
• Track 47 : TrixiePhattel_78
• Track 48 : Biscute_76, Kinny_79, Muglass_77
• Track 49 : Navi1117_80
• Track 50 : Lewando_79
• Track 51 : Remlit_84
• Track 52 : Barbonzobean_80
• Track 53 : Leathea_79
• Track 54 : Zeina_80
• Track 55 : BarbieDoll_80
• Track 56 : Inked_79
• Track 57 : Zippen_79
• Track 58 : Powelldog_77
• Track 59 : DoctorPepper_73, Linda_74, ProfFrink_74, Egad_74, Salk_74, Jeremy4pt0_73, Boog_73
• Track 60 : Onestar_73
• Track 61 : Raunak_74, Shiba_73
• Track 62 : Djungelskog_73, Michelle_74, Sloopyjoe_74, StarLord_74, MrAaronian_74, Stayer_74, BronxBay_74
• Track 63 : HerbBucket_73
• Track 64 : Spain_74
• Track 65 : Sporto_73
• Track 66 : Natasha_77
• Track 67 : RustyBoy_78
• Track 68 : Sprinkle_75
• Track 69 : Esketit_77, OlympicHelado_83, Spectropatronm_80, FidgetOrca_83, Rima_82, TonyStarch_80, Jaylociraptor_81, Indigenous_83, Hoshi_82, Maya_81, Meibysrarus_79, CherryBlossom_81, Namo_83
• Track 70 : Madamato_80
• Track 71 : DrGrey_77, Popy_79, FrodoSwaggins_79
• Track 72 : GirlPower_74
• Track 73 : Soshi_80, IceWarrior_81, HazuAndZazu_78
• Track 74 : TieDye_77
• Track 75 : TaidaOne_81
• Track 76 : Espio_79
• Track 77 : SheRa_54, Annihilus_54, Moozy_53
• Track 78 : GoblinVoyage_54, Sangak_53
• Track 79 : HotFries_52
• Track 80 : Monse_53
• Track 81 : RavenPuff_54
• Track 82 : Bilo_53
• Track 83 : Ditters_52
• Track 84 : Scap1_51
• Track 85 : PherryCruz_53

• Track 86 : RosaAsantewaa_50
• Track 87 : Doxi13_55
• Track 88 : Natsu_52
• Track 89 : LibertyBell_74
• Track 90 : Rainydai_86, CricKo_89, FromIndy_87, SendItCS_81, Miek_83, Thiqqums_89, Regigigas_89
• Track 91 : Hajile_86, Wigberry_84
• Track 92 : Bing_82
• Track 93 : Kardashian_78
• Track 94 : ClubPenguin_86
• Track 95 : Pepy6_052
• Track 96 : PerroGrande22_111
• Track 97 : Poco6_051
• Track 98 : Hortihabitatio_84
• Track 99 : Demure_85
• Track 100 : Aflac_87
• Track 101 : Nadmeg_85
• Track 102 : OlgasClover_88
• Track 103 : Jodelie19_85
• Track 104 : ArtetaBall_84, Phepper_87
• Track 105 : Madvan_85
• Track 106 : Luthien_86
• Track 107 : Perkunas_88, Talon44_89, SweetCrkHerbs_89
• Track 108 : Mysticmoon_84
• Track 109 : Glintora_88
• Track 110 : Roney_85
• Track 111 : Secretariat_79
• Track 112 : Nithya_86
• Track 113 : Mossy_85
• Track 114 : Dancer_87, Bugg_91, FortCran_87, Artorias_87
• Track 115 : BetterYeti_85, Crocheter_86, Gusicorn_87, Aloe25_87, PestoPenguin_87
• Track 116 : Kerry_86, Odesza_86, Capybara_86, NoPickles_88, Gravy_86, Magel_88, Gill_87, Tanis_87
• Track 117 : Eddiemania_87
• Track 118 : MajinBuu_87
• Track 119 : Kenosha_85
• Track 120 : Petito_87
• Track 121 : Duffington_87
• Track 122 : Runhaar_84
• Track 123 : JulesRay_86
• Track 124 : Captrips_86
• Track 125 : Rickmore_86
• Track 126 : Arataki_85
• Track 127 : Chikenjars_87
• Track 128 : Vardy_85
• Track 129 : Avazak_87
• Track 130 : Pherobrine_84
• Track 131 : Zeph_88
• Track 132 : BluerMoon_85
• Track 133 : Citrus_85
• Track 134 : Blanky_80
• Track 135 : ChickyNuggy_89

• Track 136 : Untouchable_88
• Track 137 : Trufflozitus_88
• Track 138 : Hydrus_85
• Track 139 : Tairn4Wing_90
• Track 140 : TenaciousP_87, Tonaltzin_86
• Track 141 : EndAve_88
• Track 142 : Schwartz33_83
• Track 143 : Conley_84
• Track 144 : Burley_85
• Track 145 : Football_91
• Track 146 : Dialga_86
• Track 147 : ShaggyRogers_85
• Track 148 : AlainaMarie_87
• Track 149 : Figliar_85
• Track 150 : CWormy_84
• Track 151 : OhMyWard_81
• Track 152 : Fazel_87
• Track 153 : Damascus_61
• Track 154 : Mema_60
• Track 155 : Camille_59
• Track 156 : DizzyRudy_65
• Track 157 : Count_93
• Track 158 : GermyBearimy_84
• Track 159 : Jazzy4900_73, Sunny4976_72
• Track 160 : Arzan_75
• Track 161 : Qui_140, Elver_140, JeNeSaisPas_138, Paella_140
• Track 162 : Marianna39_137, Gandionco_136
• Track 163 : Kureo_137
• Track 164 : AddiRose_72
• Track 165 : JoyLin_76, Eevee_75
• Track 166 : Daddyjeff_74
• Track 167 : Yotsuba_76
• Track 168 : Serenabean_73
• Track 169 : Sweetclover_73
• Track 170 : Pippin15_76

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

The start number called the most often in the published annotations is 11, it was called in 146 of the 222 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AddiRose_72, Aflac_87, AlainaMarie_87, Aloe25_87, Arataki_85, Arcadia_79, ArtetaBall_84, Artorias_87, Avazak_87, BenitoAntonio_79, Benllo_77, BetterYeti_85, Bing_82, Blanky_80, BluerMoon_85, Boog_73, Bowling_82, BronxBay_74, Bugg_91, Burley_85, CWormy_84, Camille_59, Captrips_86, Capybara_86, Cheesy_80, CherryBlossom_81, ChickyNuggy_89, Chikenjars_87, Circum_80, Citrus_85, Conley_84, Correa_77, CricKo_89, Crocheter_86, Daddyjeff_74, Damascus_61, Dancer_87, Demure_85, Dialga_86, DizzyRudy_65, Djungelskog_73, DoctorPepper_73, DrGrey_77, Duffington_87, Dynamite_80, Eddiemania_87,

Eevee_75, Egad_74, Elsa_79, EndAve_88, Esketit_77, Espio_79, Fazel_87, FidgetOrca_83, Figliar_85, Football_91, FortCran_87, FrodoSwaggins_79, FromIndy_87, Gill_87, GirlPower_74, Glintora_88, GoCrazy_77, Gravy_86, Gusicorn_87, Hajile_86, Hankly_80, HazuAndZazu_78, Heisenberger_78, HerbBucket_73, Hortihabitatio_84, Hoshi_82, Hydrus_85, IceWarrior_81, Indigenous_83, JEGGS_78, Jaylociraptor_81, Jeremy4pt0_73, Jodelie19_85, JoyLin_76, JulesRay_86, Kardashian_78, Kardesai_80, KeaneyLin_76, Kenosha_85, Kerry_86, LibertyBell_74, Linda_74, Luthien_86, Madamato_80, Madvan_85, Magel_88, MajinBuu_87, Maya_81, Meibysrarus_79, Michelle_74, Miek_83, Mooshroom_81, Mossy_85, MrAaronian_74, Mudcat_75, Mysticmoon_84, Nadmeg_85, Namo_83, NapoleonB_81, Nason_79, Natasha_77, Nithya_86, NoPickles_88, Odesza_86, OhMyWard_81, OlgasClover_88, OlympicHelado_83, Onestar_73, Perkunas_88, PestoPenguin_87, Petito_87, Phepper_87, Pherobrine_84, Popy_79, Powelldog_77, ProfFrink_74, Rainydai_86, Raunak_74, Regigigas_89, Rickmore_86, Rima_82, Roney_85, Runhaar_84, RustyBoy_78, Salk_74, Schwartz33_83, Secretariat_79, SendItCS_81, Serenabean_73, ShaggyRogers_85, Shiba_73, Sloopyjoe_74, Soshi_80, Spectropatronm_80, Sporto_73, Sprinkle_75, StarLord_74, Stardom_79, Stayer_74, SweetCrkHerbs_89, TaidaOne_81, Tairn4Wing_90, Talon44_89, Tanis_87, TenaciousP_87, Thiqqums_89, TieDye_77, Tonaltzin_86, TonyStarch_80, Tribby_82, Trufflozitus_88, Untouchable_88, Vardy_85, Wigberry_84, Xenomorph_75, YoshiYama_81, Yotsuba_76, Zeph_88,

Genes that have the "Most Annotated" start but do not call it:
• Mema_60, Pippin15_76, Spain_74, Sweetclover_73,

Genes that do not have the "Most Annotated" start:
• Acai_73, Altjira_78, Anandi_81, Annihilus_54, AreFloNak_77, Argan_75, Arzan_75, BarbieDoll_80, Barbonzobean_80, Bilo_53, Biscute_76, BlackHoleSun_78, Bouchard_77, Breylor17_68, Brunswick_73, CapnMurica_69, CastorTray_75, Caterpillar_71, Chlochlo_78, ClubPenguin_86, Count_93, Darby_69, DevitoJr_71, Dinallo_67, Ditters_52, Doxi13_55, ElephantMan_72, Elver_140, Gandionco_136, GantcherGoblin_74, GermyBearimy_84, Giantsbane_77, GoblinVoyage_54, Gordon_69, Hemma_73, HotFries_52, Ingrid_79, Inked_79, Issa_67, Jazzy4900_73, JeNeSaisPas_138, KevinMinion_73, Kinny_79, Kureo_137, Leathea_79, Lewando_79, LilHuddy_77, Loretta_75, LucySwiss_73, Makai_75, Mardi_77, Marianna39_137, MediumFry_71, MiniBagel_73, Monse_53, Moozy_53, Muglass_77, Natsu_52, Navi1117_80, Nightmare_73, Niktson_72, Nivinsha_74, Paella_140, Pepy6_052, PerroGrande22_111, Phaby_79, Phaila_76, PherryCruz_53, Poco6_051, PoeMe_77, Qui_140, RavenPuff_54, Remlit_84, Renaldo_84, RosaAsantewaa_50, Sangak_53, Scap1_51, ScienceWizSam_73, SheRa_54, Shepard_78, Stardrop_76, Sunny4976_72, Synepsis_67, Tatanka_66, Teacup_73, Tenney120_77, Tenno_72, Tipton_79, Tokki_83, TrixiePhattel_78, Truckee_73, Trustiboi_70, Uzumaki_75, Westerlin_69, Zeina_80, Zippen_79,

Summary by start number:

Start 1:
• Found in 3 of 264 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 222
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pepy6_052 (CC), PerroGrande22_111 (CC), Poco6_051 (CC),

Start 10:
• Found in 77 of 264 (29.2%) of genes in pham
• Manual Annotations of this start: 49 of 222
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Acai_73 (AU1), Altjira_78 (AU6), AreFloNak_77 (AU1), Argan_75 (AU6), Arzan_75 (FI), BarbieDoll_80 (AU6), Barbonzobean_80 (AU6), Biscute_76 (AU6), BlackHoleSun_78 (AU6), Bouchard_77 (AU2), Breylor17_68 (AU1), Brunswick_73 (AU1), CapnMurica_69 (AU1), CastorTray_75 (AU1), Caterpillar_71 (AU4), Chlochlo_78 (AU2), Darby_69 (AU1), DevitoJr_71 (AU1), Dinallo_67 (AU1), ElephantMan_72 (AU1), Elver_140 (FK), Gandionco_136 (FK), GantcherGoblin_74 (AU6), GermyBearimy_84 (FI), Gordon_69 (AU1), Hemma_73 (AU1), Issa_67 (AU1), Jazzy4900_73 (FI), JeNeSaisPas_138 (FK), KevinMinion_73 (AU6), Kinny_79 (AU6), Kureo_137 (FK), Leathea_79 (AU6), Lewando_79 (AU6), LilHuddy_77 (AU2), LucySwiss_73 (AU1), Makai_75 (AU5), Mardi_77 (AU6), Marianna39_137 (FK), MediumFry_71 (AU4), MiniBagel_73 (AU1), Muglass_77 (AU6), Navi1117_80 (AU6), Nightmare_73 (AU1), Niktson_72 (AU1), Nivinsha_74 (AU1), Paella_140 (FK), Phaby_79 (AU2), Phaila_76 (AU6), PoeMe_77 (AU6), Qui_140 (FK), Remlit_84 (AU6), Renaldo_84 (AU6), ScienceWizSam_73 (AU1), Stardrop_76 (AU6), Sunny4976_72 (FI), Synepsis_67 (AU1), Teacup_73 (AU1), Tenney120_77 (AU6), Tenno_72 (AU1), TrixiePhattel_78 (AU6), Truckee_73 (AU5), Trustiboi_70 (AU1), Uzumaki_75 (AU6), Zeina_80 (AU6), Zippen_79 (AU7),

Start 11:
• Found in 168 of 264 (63.6%) of genes in pham
• Manual Annotations of this start: 146 of 222
• Called 97.6% of time when present
• Phage (with cluster) where this start called: AddiRose_72 (JA), Aflac_87 (DJ), AlainaMarie_87 (DJ), Aloe25_87 (DJ), Arataki_85 (DJ), Arcadia_79 (AM), ArtetaBall_84 (DJ), Artorias_87 (DJ), Avazak_87 (DJ), BenitoAntonio_79 (AM), Benllo_77 (AM), BetterYeti_85 (DJ), Bing_82 (BI5), Blanky_80 (DJ), BluerMoon_85 (DJ), Boog_73 (AW), Bowling_82 (AM), BronxBay_74 (AW), Bugg_91 (DJ), Burley_85 (DJ), CWormy_84 (DJ), Camille_59 (EL), Captrips_86 (DJ), Capybara_86 (DJ), Cheesy_80 (AM), CherryBlossom_81 (BI1), ChickyNuggy_89 (DJ), Chikenjars_87 (DJ), Circum_80 (AM), Citrus_85 (DJ), Conley_84 (DJ), Correa_77 (AM), CricKo_89 (BI4), Crocheter_86 (DJ), Daddyjeff_74 (JA), Damascus_61 (EL), Dancer_87 (DJ), Demure_85 (DJ), Dialga_86 (DJ), DizzyRudy_65 (EL), Djungelskog_73 (AW), DoctorPepper_73 (AW), DrGrey_77 (BI1), Duffington_87 (DJ), Dynamite_80 (AM), Eddiemania_87 (DJ), Eevee_75 (JA), Egad_74 (AW), Elsa_79 (AM), EndAve_88 (DJ), Esketit_77 (BI1), Espio_79 (BI1), Fazel_87 (DJ), FidgetOrca_83 (BI1), Figliar_85 (DJ), Football_91 (DJ), FortCran_87 (DJ), FrodoSwaggins_79 (BI1), FromIndy_87 (BI4), Gill_87 (DJ), GirlPower_74 (BI1), Glintora_88 (DJ), GoCrazy_77 (AM), Gravy_86 (DJ), Gusicorn_87 (DJ), Hajile_86 (BI5), Hankly_80 (AM), HazuAndZazu_78 (BI1), Heisenberger_78 (AM), HerbBucket_73 (AW), Hortihabitatio_84 (DJ), Hoshi_82 (BI1), Hydrus_85 (DJ), IceWarrior_81 (BI1), Indigenous_83 (BI1), JEGGS_78 (AM), Jaylociraptor_81 (BI1), Jeremy4pt0_73 (AW), Jodelie19_85 (DJ), JoyLin_76 (JA), JulesRay_86 (DJ), Kardashian_78 (BI6), Kardesai_80 (AM), KeaneyLin_76 (AM), Kenosha_85 (DJ), Kerry_86 (DJ), LibertyBell_74 (BI3), Linda_74 (AW), Luthien_86 (DJ), Madamato_80 (BI1), Madvan_85 (DJ), Magel_88 (DJ), MajinBuu_87 (DJ), Maya_81 (BI1), Meibysrarus_79 (BI1), Michelle_74 (AW), Miek_83 (BI4), Mooshroom_81 (AM), Mossy_85 (DJ), MrAaronian_74 (AW), Mudcat_75 (AM), Mysticmoon_84 (DJ), Nadmeg_85 (DJ), Namo_83 (BI1), NapoleonB_81 (AM), Nason_79 (AM), Natasha_77 (AW), Nithya_86

(DJ), NoPickles_88 (DJ), Odesza_86 (DJ), OhMyWard_81 (DJ), OlgasClover_88 (DJ), OlympicHelado_83 (BI1), Onestar_73 (AW), Perkunas_88 (DJ), PestoPenguin_87 (DJ), Petito_87 (DJ), Phepper_87 (DJ), Pherobrine_84 (DJ), Popy_79 (BI1), Powelldog_77 (AW), ProfFrink_74 (AW), Rainydai_86 (BI4), Raunak_74 (AW), Regigigas_89 (BI4), Rickmore_86 (DJ), Rima_82 (BI1), Roney_85 (DJ), Runhaar_84 (DJ), RustyBoy_78 (AW), Salk_74 (AW), Schwartz33_83 (DJ), Secretariat_79 (DJ), SendItCS_81 (BI4), Serenabean_73 (JA), ShaggyRogers_85 (DJ), Shiba_73 (AW), Sloopyjoe_74 (AW), Soshi_80 (BI1), Spectropatronm_80 (BI1), Sporto_73 (AW), Sprinkle_75 (AW), StarLord_74 (AW), Stardom_79 (AM), Stayer_74 (AW), SweetCrkHerbs_89 (DJ), TaidaOne_81 (BI1), Tairn4Wing_90 (DJ), Talon44_89 (DJ), Tanis_87 (DJ), TenaciousP_87 (DJ), Thiqqums_89 (BI4), TieDye_77 (BI1), Tonaltzin_86 (DJ), TonyStarch_80 (BI1), Tribby_82 (AM), Trufflozitus_88 (DJ), Untouchable_88 (DJ), Vardy_85 (DJ), Wigberry_84 (BI5), Xenomorph_75 (AM), YoshiYama_81 (AM), Yotsuba_76 (JA), Zeph_88 (DJ),

Start 12:
• Found in 27 of 264 (10.2%) of genes in pham
• Manual Annotations of this start: 15 of 222
• Called 63.0% of time when present
• Phage (with cluster) where this start called: Annihilus_54 (BI2), Bilo_53 (BI2), ClubPenguin_86 (BI7), Count_93 (EL), Ditters_52 (BI2), Doxi13_55 (BI2), GoblinVoyage_54 (BI2), HotFries_52 (BI2), Monse_53 (BI2), Moozy_53 (BI2), Natsu_52 (BI2), PherryCruz_53 (BI2), RavenPuff_54 (BI2), RosaAsantewaa_50 (BI2), Sangak_53 (BI2), Scap1_51 (BI2), SheRa_54 (BI2),

Start 13:
• Found in 66 of 264 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 1.5% of time when present
• Phage (with cluster) where this start called: Westerlin_69 (AU1),

Start 17:
• Found in 99 of 264 (37.5%) of genes in pham
• Manual Annotations of this start: 9 of 222
• Called 10.1% of time when present
• Phage (with cluster) where this start called: Anandi_81 (AU4), Giantsbane_77 (AU2), Ingrid_79 (AU3), Inked_79 (AU7), Loretta_75 (AU3), Mema_60 (EL), Shepard_78 (AU2), Tatanka_66 (AU1), Tipton_79 (AU2), Tokki_83 (AU2),

Start 33:
• Found in 16 of 264 (6.1%) of genes in pham
• Manual Annotations of this start: 1 of 222
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Pippin15_76 (JA),

Start 35:
• Found in 103 of 264 (39.0%) of genes in pham
• No Manual Annotations of this start.
• Called 1.0% of time when present
• Phage (with cluster) where this start called: Spain_74 (AW),

Start 37:
• Found in 17 of 264 (6.4%) of genes in pham

• Manual Annotations of this start: 1 of 222
• Called 5.9% of time when present
• Phage (with cluster) where this start called: Sweetclover_73 (JA),

Summary by clusters:

There are 22 clusters represented in this pham: DJ, FI, FK, JA, AU1, AU3, AU2, AU5, AU4, AU7, AU6, EL, CC, AM, AW, BI6, BI7, BI4, BI5, BI2, BI3, BI1,

Info for manual annotations of cluster AM:
•Start number 11 was manually annotated 21 times for cluster AM.

Info for manual annotations of cluster AU1:
•Start number 10 was manually annotated 20 times for cluster AU1.
•Start number 17 was manually annotated 1 time for cluster AU1.

Info for manual annotations of cluster AU2:
•Start number 10 was manually annotated 4 times for cluster AU2.
•Start number 17 was manually annotated 4 times for cluster AU2.

Info for manual annotations of cluster AU3:
•Start number 17 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:
•Start number 10 was manually annotated 2 times for cluster AU4.
•Start number 17 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AU5:
•Start number 10 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU6:
•Start number 10 was manually annotated 16 times for cluster AU6.

Info for manual annotations of cluster AU7:
•Start number 10 was manually annotated 1 time for cluster AU7.
•Start number 17 was manually annotated 1 time for cluster AU7.

Info for manual annotations of cluster AW:
•Start number 11 was manually annotated 20 times for cluster AW.

Info for manual annotations of cluster BI1:
•Start number 11 was manually annotated 24 times for cluster BI1.

Info for manual annotations of cluster BI2:
•Start number 12 was manually annotated 13 times for cluster BI2.

Info for manual annotations of cluster BI3:
•Start number 11 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI4:
•Start number 11 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI5:

•Start number 11 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI6:
•Start number 11 was manually annotated 1 time for cluster BI6.

Info for manual annotations of cluster BI7:
•Start number 12 was manually annotated 1 time for cluster BI7.

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

Info for manual annotations of cluster DJ:
•Start number 11 was manually annotated 63 times for cluster DJ.

Info for manual annotations of cluster EL:
•Start number 11 was manually annotated 3 times for cluster EL.
•Start number 12 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster FK:
•Start number 10 was manually annotated 4 times for cluster FK.

Info for manual annotations of cluster JA:
•Start number 11 was manually annotated 6 times for cluster JA.
•Start number 33 was manually annotated 1 time for cluster JA.
•Start number 37 was manually annotated 1 time for cluster JA.

Gene Information:

Gene: Acai_73 Start: 47896, Stop: 49131, Start Num: 10
Candidate Starts for Acai_73:
(9, 47890), (Start: 10 @47896 has 49 MA's), (13, 47905), (16, 47935), (Start: 17 @47944 has 9 MA's), (25, 48022), (35, 48070), (52, 48202), (58, 48274), (64, 48337), (67, 48367), (73, 48436), (84, 48529), (85, 48535), (93, 48571), (110, 48673), (139, 48853), (142, 48859), (148, 48934), (152, 48967), (153, 48979), (154, 48982), (165, 49051), (169, 49069),

Gene: AddiRose_72 Start: 45664, Stop: 46920, Start Num: 11
Candidate Starts for AddiRose_72:
(Start: 11 @45664 has 146 MA's), (18, 45724), (19, 45727), (21, 45739), (22, 45766), (29, 45802), (59, 46039), (64, 46099), (65, 46102), (67, 46129), (76, 46243), (78, 46255), (83, 46285), (84, 46291), (93, 46333), (100, 46366), (107, 46423), (113, 46447), (118, 46480), (121, 46489), (126, 46543), (130, 46567), (148, 46693), (149, 46696), (151, 46708), (156, 46759),

Gene: Aflac_87 Start: 55099, Stop: 56313, Start Num: 11
Candidate Starts for Aflac_87:
(Start: 11 @55099 has 146 MA's), (13, 55105), (18, 55159), (19, 55162), (21, 55174), (22, 55201), (26, 55225), (36, 55267), (41, 55309), (44, 55336), (46, 55342), (50, 55381), (58, 55459), (59, 55462), (64, 55522), (74, 55624), (75, 55654), (82, 55705), (84, 55714), (92, 55753), (98, 55780), (99, 55786), (101, 55792), (105, 55828), (107, 55846), (109, 55855), (110, 55858), (112, 55867), (120, 55909), (124, 55936), (125, 55960), (130, 55990), (146, 56077), (156, 56185), (165, 56236), (170, 56263), (174, 56296),

Gene: AlainaMarie_87 Start: 55154, Stop: 56368, Start Num: 11
Candidate Starts for AlainaMarie_87:
(Start: 11 @55154 has 146 MA's), (13, 55160), (18, 55214), (21, 55229), (22, 55256), (23, 55259), (26, 55280), (36, 55322), (41, 55364), (44, 55391), (46, 55397), (50, 55436), (58, 55514), (59, 55517), (64, 55577), (74, 55679), (79, 55736), (83, 55763), (84, 55769), (90, 55799), (92, 55808), (93, 55811), (98, 55835), (101, 55847), (104, 55874), (105, 55883), (107, 55901), (109, 55910), (110, 55913), (112, 55922), (114, 55937), (117, 55955), (121, 55967), (124, 55991), (125, 56015), (130, 56045), (138, 56060), (146, 56132), (156, 56240), (165, 56291), (170, 56318), (174, 56351),

Gene: Aloe25_87 Start: 54312, Stop: 55526, Start Num: 11
Candidate Starts for Aloe25_87:
(Start: 11 @54312 has 146 MA's), (13, 54318), (18, 54372), (19, 54375), (21, 54387), (25, 54435), (26, 54438), (36, 54480), (41, 54522), (46, 54555), (50, 54594), (58, 54672), (59, 54675), (64, 54735), (81, 54915), (82, 54918), (83, 54921), (84, 54927), (92, 54966), (98, 54993), (101, 55005), (104, 55032), (105, 55041), (107, 55059), (109, 55068), (110, 55071), (112, 55080), (121, 55125), (124, 55149), (125, 55173), (143, 55272), (144, 55278), (146, 55290), (148, 55332), (156, 55398), (159, 55419), (165, 55449), (174, 55509),

Gene: Altjira_78 Start: 47095, Stop: 48342, Start Num: 10
Candidate Starts for Altjira_78:
(Start: 10 @47095 has 49 MA's), (Start: 33 @47257 has 1 MA's), (35, 47269), (41, 47323), (52, 47401), (59, 47476), (67, 47566), (68, 47575), (75, 47668), (84, 47728), (100, 47803), (110, 47872), (165, 48247), (169, 48265),

Gene: Anandi_81 Start: 48694, Stop: 49887, Start Num: 17
Candidate Starts for Anandi_81:
(Start: 10 @48646 has 49 MA's), (Start: 17 @48694 has 9 MA's), (35, 48820), (58, 49024), (64, 49087), (65, 49090), (67, 49117), (84, 49279), (85, 49285), (93, 49321), (110, 49423), (126, 49531), (129, 49543), (132, 49567), (143, 49630), (148, 49690), (149, 49693), (152, 49723), (165, 49807), (169, 49825), (175, 49870),

Gene: Annihilus_54 Start: 37384, Stop: 38556, Start Num: 12
Candidate Starts for Annihilus_54:
(Start: 12 @37384 has 15 MA's), (16, 37417), (Start: 17 @37426 has 9 MA's), (22, 37483), (43, 37576), (46, 37588), (59, 37705), (67, 37795), (72, 37852), (73, 37864), (83, 37951), (84, 37957), (87, 37978), (94, 38002), (96, 38017), (105, 38071), (106, 38080), (110, 38101), (111, 38104), (117, 38143), (145, 38302), (151, 38368), (152, 38386), (160, 38452), (162, 38458), (166, 38473),

Gene: Arataki_85 Start: 54274, Stop: 55488, Start Num: 11
Candidate Starts for Arataki_85:
(Start: 11 @54274 has 146 MA's), (13, 54280), (18, 54334), (19, 54337), (21, 54349), (25, 54397), (26, 54400), (36, 54442), (41, 54484), (46, 54517), (50, 54556), (58, 54634), (59, 54637), (64, 54697), (74, 54799), (75, 54829), (82, 54880), (84, 54889), (90, 54919), (92, 54928), (93, 54931), (97, 54952), (98, 54955), (99, 54961), (101, 54967), (104, 54994), (105, 55003), (107, 55021), (109, 55030), (110, 55033), (112, 55042), (121, 55087), (124, 55111), (125, 55135), (130, 55165), (138, 55180), (143, 55234), (146, 55252), (156, 55360), (163, 55405), (165, 55411), (170, 55438), (174, 55471),

Gene: Arcadia_79 Start: 46777, Stop: 48087, Start Num: 11
Candidate Starts for Arcadia_79:
(Start: 11 @46777 has 146 MA's), (64, 47215), (67, 47245), (73, 47314), (76, 47359), (82, 47398), (84, 47407), (90, 47437), (100, 47482), (101, 47485), (105, 47521), (107, 47539), (108, 47545), (109, 47548), (110, 47551), (113, 47563), (122, 47623), (125, 47653), (159, 47896), (162, 47914), (174,

47986), (185, 48022),

Gene: AreFloNak_77 Start: 47947, Stop: 49179, Start Num: 10
Candidate Starts for AreFloNak_77:
(Start: 10 @47947 has 49 MA's), (13, 47956), (Start: 17 @47995 has 9 MA's), (35, 48121), (52, 48253), (58, 48325), (64, 48388), (67, 48418), (73, 48487), (84, 48580), (85, 48586), (93, 48622), (110, 48724), (145, 48931), (148, 48982), (151, 48997), (152, 49015), (153, 49027), (154, 49030), (165, 49099), (169, 49117),

Gene: Argan_75 Start: 45686, Stop: 46933, Start Num: 10
Candidate Starts for Argan_75:
(Start: 10 @45686 has 49 MA's), (Start: 33 @45848 has 1 MA's), (35, 45860), (41, 45914), (52, 45992), (59, 46067), (67, 46157), (68, 46166), (75, 46259), (84, 46319), (100, 46394), (110, 46463), (165, 46838), (169, 46856),

Gene: ArtetaBall_84 Start: 54231, Stop: 55445, Start Num: 11
Candidate Starts for ArtetaBall_84:
(Start: 11 @54231 has 146 MA's), (13, 54237), (18, 54291), (19, 54294), (21, 54306), (25, 54354), (26, 54357), (36, 54399), (41, 54441), (44, 54468), (46, 54474), (50, 54513), (58, 54591), (59, 54594), (64, 54654), (74, 54756), (75, 54786), (82, 54837), (83, 54840), (84, 54846), (90, 54876), (92, 54885), (93, 54888), (97, 54909), (98, 54912), (99, 54918), (101, 54924), (104, 54951), (105, 54960), (107, 54978), (109, 54987), (110, 54990), (112, 54999), (121, 55044), (124, 55068), (125, 55092), (130, 55122), (138, 55137), (143, 55191), (146, 55209), (148, 55251), (165, 55368), (170, 55395), (174, 55428),

Gene: Artorias_87 Start: 53621, Stop: 54841, Start Num: 11
Candidate Starts for Artorias_87:
(Start: 11 @53621 has 146 MA's), (18, 53681), (19, 53684), (22, 53723), (26, 53747), (36, 53789), (41, 53831), (46, 53864), (50, 53903), (52, 53909), (58, 53981), (64, 54044), (74, 54146), (75, 54176), (77, 54194), (82, 54227), (83, 54230), (84, 54236), (95, 54293), (98, 54302), (100, 54311), (101, 54314), (105, 54350), (106, 54359), (107, 54368), (110, 54380), (120, 54431), (121, 54434), (125, 54485), (127, 54494), (146, 54602), (156, 54710), (160, 54743), (165, 54761), (168, 54776),

Gene: Arzan_75 Start: 47463, Stop: 48692, Start Num: 10
Candidate Starts for Arzan_75:
(Start: 10 @47463 has 49 MA's), (Start: 17 @47511 has 9 MA's), (35, 47637), (52, 47769), (59, 47844), (67, 47934), (69, 47949), (70, 47955), (73, 48003), (80, 48066), (84, 48096), (148, 48498), (174, 48675), (175, 48678), (178, 48687),

Gene: Avazak_87 Start: 54050, Stop: 55270, Start Num: 11
Candidate Starts for Avazak_87:
(Start: 11 @54050 has 146 MA's), (18, 54110), (19, 54113), (22, 54152), (26, 54176), (36, 54218), (41, 54260), (44, 54287), (46, 54293), (50, 54332), (56, 54389), (58, 54410), (64, 54473), (74, 54575), (75, 54605), (77, 54623), (82, 54656), (83, 54659), (84, 54665), (98, 54731), (100, 54740), (101, 54743), (105, 54779), (106, 54788), (107, 54797), (110, 54809), (120, 54860), (127, 54923), (139, 54992), (146, 55031), (156, 55139), (160, 55172), (165, 55190), (170, 55217),

Gene: BarbieDoll_80 Start: 47433, Stop: 48680, Start Num: 10
Candidate Starts for BarbieDoll_80:
(Start: 10 @47433 has 49 MA's), (21, 47511), (35, 47607), (41, 47661), (52, 47739), (67, 47904), (68, 47913), (75, 48006), (84, 48066), (110, 48210), (165, 48585), (169, 48603),

Gene: Barbonzobean_80 Start: 47938, Stop: 49185, Start Num: 10
Candidate Starts for Barbonzobean_80:

(Start: 10 @47938 has 49 MA's), (21, 48016), (35, 48112), (41, 48166), (52, 48244), (59, 48319), (67, 48409), (68, 48418), (84, 48571), (110, 48715), (165, 49090), (169, 49108),

Gene: BenitoAntonio_79 Start: 46369, Stop: 47679, Start Num: 11
Candidate Starts for BenitoAntonio_79:
(Start: 11 @46369 has 146 MA's), (64, 46807), (67, 46837), (73, 46906), (76, 46951), (82, 46990), (84, 46999), (90, 47029), (100, 47074), (101, 47077), (107, 47131), (108, 47137), (109, 47140), (110, 47143), (113, 47155), (122, 47215), (125, 47245), (159, 47488), (162, 47506), (174, 47578), (185, 47614),

Gene: Benllo_77 Start: 47047, Stop: 48357, Start Num: 11
Candidate Starts for Benllo_77:
(Start: 11 @47047 has 146 MA's), (64, 47485), (67, 47515), (73, 47584), (76, 47629), (82, 47668), (84, 47677), (90, 47707), (100, 47752), (101, 47755), (107, 47809), (108, 47815), (110, 47821), (122, 47893), (125, 47923), (143, 48019), (159, 48166), (162, 48184), (174, 48256), (185, 48292),

Gene: BetterYeti_85 Start: 54311, Stop: 55525, Start Num: 11
Candidate Starts for BetterYeti_85:
(Start: 11 @54311 has 146 MA's), (13, 54317), (18, 54371), (19, 54374), (21, 54386), (25, 54434), (26, 54437), (36, 54479), (41, 54521), (46, 54554), (50, 54593), (58, 54671), (59, 54674), (64, 54734), (81, 54914), (82, 54917), (83, 54920), (84, 54926), (92, 54965), (98, 54992), (101, 55004), (104, 55031), (105, 55040), (107, 55058), (109, 55067), (110, 55070), (112, 55079), (121, 55124), (124, 55148), (125, 55172), (143, 55271), (144, 55277), (146, 55289), (148, 55331), (156, 55397), (159, 55418), (165, 55448), (174, 55508),

Gene: Bilo_53 Start: 37644, Stop: 38816, Start Num: 12
Candidate Starts for Bilo_53:
(Start: 12 @37644 has 15 MA's), (16, 37677), (Start: 17 @37686 has 9 MA's), (22, 37743), (43, 37836), (59, 37965), (67, 38055), (73, 38124), (83, 38211), (84, 38217), (87, 38238), (94, 38262), (96, 38277), (103, 38319), (110, 38361), (124, 38439), (145, 38562), (160, 38712), (162, 38718), (168, 38745), (169, 38748), (176, 38793),

Gene: Bing_82 Start: 49946, Stop: 51139, Start Num: 11
Candidate Starts for Bing_82:
(Start: 11 @49946 has 146 MA's), (39, 50090), (51, 50189), (67, 50366), (69, 50381), (74, 50438), (84, 50528), (94, 50573), (97, 50591), (110, 50672), (113, 50684), (116, 50711), (124, 50750), (126, 50780), (127, 50783), (145, 50873), (149, 50927), (155, 50981), (156, 50990), (160, 51023), (161, 51026), (162, 51029), (168, 51056), (171, 51071), (176, 51104), (182, 51122),

Gene: Biscute_76 Start: 47085, Stop: 48332, Start Num: 10
Candidate Starts for Biscute_76:
(Start: 10 @47085 has 49 MA's), (21, 47163), (35, 47259), (41, 47313), (52, 47391), (67, 47556), (68, 47565), (84, 47718), (110, 47862), (165, 48237), (169, 48255),

Gene: BlackHoleSun_78 Start: 46463, Stop: 47710, Start Num: 10
Candidate Starts for BlackHoleSun_78:
(Start: 10 @46463 has 49 MA's), (Start: 33 @46625 has 1 MA's), (35, 46637), (41, 46691), (52, 46769), (67, 46934), (68, 46943), (75, 47036), (84, 47096), (100, 47171), (110, 47240), (157, 47579), (159, 47585), (165, 47615), (169, 47633),

Gene: Blanky_80 Start: 54958, Stop: 56175, Start Num: 11
Candidate Starts for Blanky_80:

(Start: 11 @54958 has 146 MA's), (18, 55018), (21, 55033), (22, 55060), (26, 55084), (36, 55126), (41, 55168), (44, 55195), (58, 55318), (59, 55321), (64, 55381), (71, 55447), (75, 55513), (77, 55531), (82, 55564), (83, 55567), (84, 55573), (92, 55612), (93, 55615), (95, 55630), (97, 55636), (98, 55639), (99, 55645), (101, 55651), (102, 55672), (105, 55687), (106, 55696), (110, 55717), (112, 55726), (121, 55771), (122, 55789), (124, 55795), (127, 55828), (146, 55936), (147, 55963), (148, 55978), (159, 56065), (160, 56077), (170, 56122),

Gene: BluerMoon_85 Start: 54940, Stop: 56154, Start Num: 11
Candidate Starts for BluerMoon_85:
(Start: 11 @54940 has 146 MA's), (13, 54946), (18, 55000), (19, 55003), (21, 55015), (26, 55066), (36, 55108), (41, 55150), (46, 55183), (58, 55300), (59, 55303), (64, 55363), (74, 55465), (82, 55546), (84, 55555), (90, 55585), (92, 55594), (93, 55597), (97, 55618), (98, 55621), (101, 55633), (104, 55660), (105, 55669), (107, 55687), (109, 55696), (110, 55699), (112, 55708), (124, 55777), (125, 55801), (130, 55831), (146, 55918), (156, 56026), (165, 56077), (170, 56104), (174, 56137),

Gene: Boog_73 Start: 45873, Stop: 47102, Start Num: 11
Candidate Starts for Boog_73:
(Start: 11 @45873 has 146 MA's), (35, 46044), (52, 46176), (64, 46311), (67, 46341), (72, 46398), (84, 46503), (85, 46509), (92, 46542), (110, 46647), (140, 46827), (169, 47040), (175, 47085),

Gene: Bouchard_77 Start: 48490, Stop: 49722, Start Num: 10
Candidate Starts for Bouchard_77:
(Start: 10 @48490 has 49 MA's), (Start: 12 @48496 has 15 MA's), (14, 48502), (Start: 17 @48535 has 9 MA's), (35, 48661), (52, 48793), (64, 48928), (67, 48958), (84, 49120), (85, 49126), (93, 49162), (110, 49264), (148, 49525), (152, 49558), (153, 49570), (165, 49642),

Gene: Bowling_82 Start: 47507, Stop: 48817, Start Num: 11
Candidate Starts for Bowling_82:
(Start: 11 @47507 has 146 MA's), (64, 47945), (67, 47975), (73, 48044), (76, 48089), (82, 48128), (84, 48137), (90, 48167), (100, 48212), (101, 48215), (107, 48269), (108, 48275), (109, 48278), (110, 48281), (113, 48293), (122, 48353), (125, 48383), (159, 48626), (162, 48644), (174, 48716), (185, 48752),

Gene: Breylor17_68 Start: 48311, Stop: 49561, Start Num: 10
Candidate Starts for Breylor17_68:
(Start: 10 @48311 has 49 MA's), (13, 48320), (Start: 17 @48359 has 9 MA's), (35, 48485), (Start: 37 @48503 has 1 MA's), (52, 48617), (58, 48689), (64, 48752), (67, 48782), (73, 48851), (84, 48944), (85, 48950), (93, 48986), (110, 49088), (139, 49265), (142, 49271), (148, 49346), (152, 49379), (153, 49391), (154, 49394), (165, 49463),

Gene: BronxBay_74 Start: 46145, Stop: 47383, Start Num: 11
Candidate Starts for BronxBay_74:
(Start: 11 @46145 has 146 MA's), (35, 46316), (52, 46448), (64, 46583), (67, 46613), (72, 46670), (84, 46775), (85, 46781), (92, 46814), (110, 46919), (141, 47108), (169, 47321), (175, 47366),

Gene: Brunswick_73 Start: 47755, Stop: 48990, Start Num: 10
Candidate Starts for Brunswick_73:
(9, 47749), (Start: 10 @47755 has 49 MA's), (13, 47764), (16, 47794), (Start: 17 @47803 has 9 MA's), (25, 47881), (35, 47929), (52, 48061), (58, 48133), (64, 48196), (67, 48226), (73, 48295), (84, 48388), (85, 48394), (93, 48430), (110, 48532), (142, 48718), (148, 48793), (151, 48808), (152, 48826), (154, 48841), (165, 48910), (169, 48928),

Gene: Bugg_91 Start: 53666, Stop: 54886, Start Num: 11

Candidate Starts for Bugg_91:
(Start: 11 @53666 has 146 MA's), (18, 53726), (19, 53729), (22, 53768), (26, 53792), (36, 53834), (41, 53876), (46, 53909), (50, 53948), (52, 53954), (58, 54026), (64, 54089), (74, 54191), (75, 54221), (77, 54239), (82, 54272), (83, 54275), (84, 54281), (95, 54338), (98, 54347), (100, 54356), (101, 54359), (105, 54395), (106, 54404), (107, 54413), (110, 54425), (120, 54476), (121, 54479), (125, 54530), (127, 54539), (146, 54647), (156, 54755), (160, 54788), (165, 54806), (168, 54821),

Gene: Burley_85 Start: 53962, Stop: 55176, Start Num: 11
Candidate Starts for Burley_85:
(Start: 11 @53962 has 146 MA's), (13, 53968), (18, 54022), (19, 54025), (21, 54037), (25, 54085), (26, 54088), (36, 54130), (41, 54172), (46, 54205), (50, 54244), (52, 54250), (58, 54322), (59, 54325), (64, 54385), (74, 54487), (75, 54517), (79, 54544), (82, 54568), (84, 54577), (90, 54607), (92, 54616), (93, 54619), (98, 54643), (101, 54655), (104, 54682), (105, 54691), (107, 54709), (109, 54718), (110, 54721), (112, 54730), (117, 54763), (121, 54775), (124, 54799), (125, 54823), (138, 54868), (143, 54922), (144, 54928), (146, 54940), (156, 55048), (165, 55099), (170, 55126), (174, 55159),

Gene: CWormy_84 Start: 53914, Stop: 55128, Start Num: 11
Candidate Starts for CWormy_84:
(Start: 11 @53914 has 146 MA's), (13, 53920), (18, 53974), (19, 53977), (21, 53989), (26, 54040), (36, 54082), (41, 54124), (46, 54157), (50, 54196), (52, 54202), (58, 54274), (59, 54277), (64, 54337), (74, 54439), (75, 54469), (79, 54496), (82, 54520), (84, 54529), (90, 54559), (92, 54568), (93, 54571), (98, 54595), (99, 54601), (101, 54607), (104, 54634), (105, 54643), (107, 54661), (109, 54670), (110, 54673), (112, 54682), (121, 54727), (124, 54751), (125, 54775), (138, 54820), (144, 54880), (146, 54892), (156, 55000), (165, 55051), (170, 55078), (174, 55111),

Gene: Camille_59 Start: 41729, Stop: 42970, Start Num: 11
Candidate Starts for Camille_59:
(7, 41660), (8, 41669), (Start: 11 @41729 has 146 MA's), (Start: 17 @41774 has 9 MA's), (25, 41852), (28, 41864), (35, 41897), (38, 41918), (43, 41972), (46, 41984), (52, 42023), (53, 42041), (58, 42095), (66, 42182), (67, 42188), (68, 42197), (84, 42350), (100, 42425), (101, 42428), (118, 42539), (119, 42542), (121, 42548), (124, 42572), (160, 42851), (171, 42899),

Gene: CapnMurica_69 Start: 48472, Stop: 49704, Start Num: 10
Candidate Starts for CapnMurica_69:
(9, 48466), (Start: 10 @48472 has 49 MA's), (13, 48481), (16, 48511), (Start: 17 @48520 has 9 MA's), (25, 48598), (35, 48646), (Start: 37 @48664 has 1 MA's), (52, 48778), (58, 48850), (64, 48913), (67, 48943), (73, 49012), (84, 49105), (85, 49111), (93, 49147), (110, 49249), (139, 49426), (148, 49507), (152, 49540), (153, 49552), (154, 49555), (165, 49624), (169, 49642),

Gene: Captrips_86 Start: 53401, Stop: 54621, Start Num: 11
Candidate Starts for Captrips_86:
(Start: 11 @53401 has 146 MA's), (18, 53461), (19, 53464), (22, 53503), (26, 53527), (36, 53569), (41, 53611), (46, 53644), (50, 53683), (56, 53740), (58, 53761), (64, 53824), (74, 53926), (75, 53956), (77, 53974), (82, 54007), (84, 54016), (98, 54082), (100, 54091), (101, 54094), (105, 54130), (106, 54139), (107, 54148), (110, 54160), (120, 54211), (121, 54214), (125, 54265), (127, 54274), (139, 54343), (146, 54382), (156, 54490), (160, 54523), (165, 54541), (168, 54556),

Gene: Capybara_86 Start: 53624, Stop: 54844, Start Num: 11
Candidate Starts for Capybara_86:
(Start: 11 @53624 has 146 MA's), (18, 53684), (19, 53687), (22, 53726), (26, 53750), (36, 53792), (41, 53834), (46, 53867), (50, 53906), (52, 53912), (56, 53963), (58, 53984), (64, 54047), (74, 54149), (75, 54179), (77, 54197), (82, 54230), (84, 54239), (98, 54305), (100, 54314), (101, 54317), (105, 54353), (106, 54362), (107, 54371), (110, 54383), (120, 54434), (121, 54437), (125, 54488), (127, 54497),

(139, 54566), (146, 54605), (156, 54713), (160, 54746), (165, 54764), (170, 54791),

Gene: CastorTray_75 Start: 48503, Stop: 49753, Start Num: 10
Candidate Starts for CastorTray_75:
(Start: 10 @48503 has 49 MA's), (13, 48512), (Start: 17 @48551 has 9 MA's), (25, 48629), (35, 48677), (Start: 37 @48695 has 1 MA's), (52, 48809), (58, 48881), (64, 48944), (67, 48974), (73, 49043), (84, 49136), (85, 49142), (93, 49178), (110, 49280), (139, 49457), (142, 49463), (145, 49487), (148, 49538), (152, 49571), (153, 49583), (165, 49655),

Gene: Caterpillar_71 Start: 47189, Stop: 48424, Start Num: 10
Candidate Starts for Caterpillar_71:
(Start: 10 @47189 has 49 MA's), (Start: 17 @47237 has 9 MA's), (59, 47570), (64, 47630), (67, 47660), (78, 47786), (84, 47822), (85, 47828), (93, 47864), (110, 47966), (148, 48227), (153, 48272), (154, 48275), (165, 48344),

Gene: Cheesy_80 Start: 46569, Stop: 47879, Start Num: 11
Candidate Starts for Cheesy_80:
(Start: 11 @46569 has 146 MA's), (52, 46872), (64, 47007), (67, 47037), (73, 47106), (76, 47151), (82, 47190), (84, 47199), (90, 47229), (100, 47274), (101, 47277), (107, 47331), (108, 47337), (109, 47340), (110, 47343), (113, 47355), (122, 47415), (125, 47445), (159, 47688), (162, 47706), (174, 47778), (185, 47814),

Gene: CherryBlossom_81 Start: 49244, Stop: 50428, Start Num: 11
Candidate Starts for CherryBlossom_81:
(Start: 11 @49244 has 146 MA's), (Start: 17 @49289 has 9 MA's), (21, 49319), (52, 49490), (58, 49562), (62, 49601), (67, 49664), (84, 49826), (92, 49865), (94, 49871), (99, 49898), (110, 49970), (121, 50024), (124, 50048), (125, 50072), (126, 50078), (133, 50102), (138, 50108), (148, 50222), (160, 50321), (162, 50327), (169, 50357), (170, 50366), (182, 50420),

Gene: ChickyNuggy_89 Start: 53792, Stop: 55012, Start Num: 11
Candidate Starts for ChickyNuggy_89:
(Start: 11 @53792 has 146 MA's), (18, 53852), (19, 53855), (22, 53894), (26, 53918), (36, 53960), (41, 54002), (44, 54029), (46, 54035), (50, 54074), (52, 54080), (58, 54152), (64, 54215), (74, 54317), (75, 54347), (77, 54365), (82, 54398), (84, 54407), (98, 54473), (100, 54482), (101, 54485), (105, 54521), (106, 54530), (107, 54539), (110, 54551), (120, 54602), (121, 54605), (125, 54656), (127, 54665), (139, 54734), (146, 54773), (156, 54881), (165, 54932), (168, 54947),

Gene: Chikenjars_87 Start: 55382, Stop: 56596, Start Num: 11
Candidate Starts for Chikenjars_87:
(Start: 11 @55382 has 146 MA's), (13, 55388), (18, 55442), (19, 55445), (21, 55457), (22, 55484), (23, 55487), (26, 55508), (36, 55550), (41, 55592), (46, 55625), (50, 55664), (58, 55742), (59, 55745), (64, 55805), (74, 55907), (79, 55964), (83, 55991), (84, 55997), (92, 56036), (98, 56063), (99, 56069), (101, 56075), (104, 56102), (105, 56111), (107, 56129), (109, 56138), (110, 56141), (112, 56150), (124, 56219), (125, 56243), (130, 56273), (156, 56468), (165, 56519), (170, 56546), (174, 56579),

Gene: Chlochlo_78 Start: 48038, Stop: 49270, Start Num: 10
Candidate Starts for Chlochlo_78:
(Start: 10 @48038 has 49 MA's), (Start: 12 @48044 has 15 MA's), (14, 48050), (Start: 17 @48083 has 9 MA's), (35, 48209), (52, 48341), (64, 48476), (67, 48506), (84, 48668), (85, 48674), (93, 48710), (110, 48812), (142, 48998), (148, 49073), (152, 49106), (153, 49118), (165, 49190),

Gene: Circum_80 Start: 47002, Stop: 48312, Start Num: 11
Candidate Starts for Circum_80:

(Start: 11 @47002 has 146 MA's), (64, 47440), (67, 47470), (73, 47539), (76, 47584), (82, 47623), (84, 47632), (90, 47662), (94, 47677), (100, 47707), (101, 47710), (105, 47746), (107, 47764), (108, 47770), (109, 47773), (110, 47776), (113, 47788), (120, 47827), (122, 47848), (125, 47878), (143, 47974), (159, 48121), (162, 48139), (174, 48211), (185, 48247),

Gene: Citrus_85 Start: 54975, Stop: 56189, Start Num: 11
Candidate Starts for Citrus_85:
(Start: 11 @54975 has 146 MA's), (13, 54981), (18, 55035), (21, 55050), (22, 55077), (23, 55080), (26, 55101), (36, 55143), (41, 55185), (46, 55218), (50, 55257), (58, 55335), (59, 55338), (64, 55398), (74, 55500), (75, 55530), (79, 55557), (82, 55581), (84, 55590), (90, 55620), (92, 55629), (93, 55632), (98, 55656), (101, 55668), (104, 55695), (105, 55704), (107, 55722), (109, 55731), (110, 55734), (112, 55743), (121, 55788), (124, 55812), (125, 55836), (130, 55866), (146, 55953), (156, 56061), (165, 56112), (170, 56139), (174, 56172),

Gene: ClubPenguin_86 Start: 50065, Stop: 51252, Start Num: 12
Candidate Starts for ClubPenguin_86:
(Start: 12 @50065 has 15 MA's), (22, 50164), (64, 50455), (69, 50500), (73, 50554), (84, 50647), (101, 50725), (110, 50791), (112, 50800), (113, 50803), (121, 50845), (124, 50869), (125, 50893), (160, 51142), (168, 51175), (169, 51178), (179, 51232), (184, 51247),

Gene: Conley_84 Start: 53935, Stop: 55155, Start Num: 11
Candidate Starts for Conley_84:
(Start: 11 @53935 has 146 MA's), (19, 53998), (41, 54145), (50, 54217), (53, 54241), (65, 54361), (68, 54397), (74, 54460), (75, 54490), (77, 54508), (82, 54541), (84, 54550), (86, 54559), (98, 54616), (100, 54625), (105, 54664), (106, 54673), (107, 54682), (110, 54694), (120, 54745), (121, 54748), (125, 54799), (127, 54808), (139, 54877), (146, 54916), (156, 55024), (165, 55075),

Gene: Correa_77 Start: 45960, Stop: 47270, Start Num: 11
Candidate Starts for Correa_77:
(Start: 11 @45960 has 146 MA's), (64, 46398), (67, 46428), (73, 46497), (76, 46542), (82, 46581), (84, 46590), (90, 46620), (100, 46665), (101, 46668), (105, 46704), (107, 46722), (108, 46728), (109, 46731), (110, 46734), (113, 46746), (122, 46806), (125, 46836), (159, 47079), (162, 47097), (174, 47169), (185, 47205),

Gene: Count_93 Start: 60037, Stop: 61344, Start Num: 12
Candidate Starts for Count_93:
(Start: 12 @60037 has 15 MA's), (15, 60049), (Start: 17 @60079 has 9 MA's), (24, 60151), (28, 60169), (30, 60178), (35, 60202), (36, 60214), (Start: 37 @60220 has 1 MA's), (42, 60268), (50, 60322), (67, 60493), (75, 60595), (76, 60607), (84, 60655), (93, 60697), (101, 60733), (122, 60871), (125, 60901), (144, 61003), (171, 61204), (186, 61306),

Gene: CricKo_89 Start: 51423, Stop: 52613, Start Num: 11
Candidate Starts for CricKo_89:
(Start: 11 @51423 has 146 MA's), (23, 51528), (41, 51597), (59, 51750), (60, 51768), (69, 51855), (73, 51909), (84, 52002), (89, 52029), (112, 52155), (122, 52218), (125, 52248), (128, 52266), (151, 52413), (158, 52482), (160, 52497), (164, 52512), (168, 52530), (169, 52533), (170, 52542),

Gene: Crocheter_86 Start: 54405, Stop: 55619, Start Num: 11
Candidate Starts for Crocheter_86:
(Start: 11 @54405 has 146 MA's), (13, 54411), (18, 54465), (19, 54468), (21, 54480), (25, 54528), (26, 54531), (36, 54573), (41, 54615), (46, 54648), (50, 54687), (58, 54765), (59, 54768), (64, 54828), (81, 55008), (82, 55011), (83, 55014), (84, 55020), (92, 55059), (98, 55086), (101, 55098), (104, 55125), (105, 55134), (107, 55152), (109, 55161), (110, 55164), (112, 55173), (121, 55218), (124, 55242),

(125, 55266), (143, 55365), (144, 55371), (146, 55383), (148, 55425), (156, 55491), (159, 55512), (165, 55542), (174, 55602),

Gene: Daddyjeff_74 Start: 46083, Stop: 47339, Start Num: 11
Candidate Starts for Daddyjeff_74:
(Start: 11 @46083 has 146 MA's), (18, 46143), (19, 46146), (21, 46158), (22, 46185), (29, 46221), (59, 46458), (64, 46518), (65, 46521), (67, 46548), (76, 46662), (78, 46674), (83, 46704), (84, 46710), (100, 46785), (107, 46842), (113, 46866), (118, 46899), (121, 46908), (126, 46962), (148, 47112), (149, 47115), (151, 47127), (156, 47178),

Gene: Damascus_61 Start: 43136, Stop: 44377, Start Num: 11
Candidate Starts for Damascus_61:
(Start: 11 @43136 has 146 MA's), (Start: 17 @43181 has 9 MA's), (25, 43259), (35, 43304), (36, 43316), (38, 43325), (48, 43418), (50, 43424), (59, 43505), (67, 43595), (84, 43757), (94, 43802), (97, 43820), (100, 43832), (101, 43835), (113, 43913), (115, 43934), (118, 43946), (119, 43949), (124, 43979), (127, 44012), (144, 44105), (160, 44258), (171, 44306),

Gene: Dancer_87 Start: 53358, Stop: 54578, Start Num: 11
Candidate Starts for Dancer_87:
(Start: 11 @53358 has 146 MA's), (18, 53418), (19, 53421), (22, 53460), (26, 53484), (36, 53526), (41, 53568), (46, 53601), (50, 53640), (52, 53646), (58, 53718), (64, 53781), (74, 53883), (75, 53913), (77, 53931), (82, 53964), (83, 53967), (84, 53973), (95, 54030), (98, 54039), (100, 54048), (101, 54051), (105, 54087), (106, 54096), (107, 54105), (110, 54117), (120, 54168), (121, 54171), (125, 54222), (127, 54231), (146, 54339), (156, 54447), (160, 54480), (165, 54498), (168, 54513),

Gene: Darby_69 Start: 47502, Stop: 48734, Start Num: 10
Candidate Starts for Darby_69:
(Start: 10 @47502 has 49 MA's), (13, 47511), (Start: 17 @47550 has 9 MA's), (35, 47676), (52, 47808), (58, 47880), (64, 47943), (67, 47973), (73, 48042), (84, 48135), (85, 48141), (93, 48177), (110, 48279), (145, 48486), (148, 48537), (150, 48543), (151, 48552), (154, 48585), (165, 48654),

Gene: Demure_85 Start: 54408, Stop: 55622, Start Num: 11
Candidate Starts for Demure_85:
(Start: 11 @54408 has 146 MA's), (13, 54414), (18, 54468), (19, 54471), (21, 54483), (25, 54531), (26, 54534), (36, 54576), (41, 54618), (44, 54645), (46, 54651), (50, 54690), (58, 54768), (59, 54771), (64, 54831), (74, 54933), (75, 54963), (79, 54990), (82, 55014), (84, 55023), (92, 55062), (93, 55065), (97, 55086), (98, 55089), (99, 55095), (101, 55101), (104, 55128), (105, 55137), (107, 55155), (109, 55164), (110, 55167), (112, 55176), (117, 55209), (124, 55245), (125, 55269), (130, 55299), (138, 55314), (143, 55368), (144, 55374), (146, 55386), (148, 55428), (156, 55494), (165, 55545), (170, 55572), (174, 55605),

Gene: DevitoJr_71 Start: 47884, Stop: 49134, Start Num: 10
Candidate Starts for DevitoJr_71:
(Start: 10 @47884 has 49 MA's), (13, 47893), (Start: 17 @47932 has 9 MA's), (25, 48010), (35, 48058), (Start: 37 @48076 has 1 MA's), (52, 48190), (58, 48262), (64, 48325), (67, 48355), (73, 48424), (84, 48517), (85, 48523), (93, 48559), (110, 48661), (145, 48868), (148, 48919), (151, 48934), (152, 48952), (153, 48964), (154, 48967), (165, 49036),

Gene: Dialga_86 Start: 54247, Stop: 55461, Start Num: 11
Candidate Starts for Dialga_86:
(Start: 11 @54247 has 146 MA's), (13, 54253), (18, 54307), (19, 54310), (21, 54322), (25, 54370), (26, 54373), (36, 54415), (41, 54457), (44, 54484), (46, 54490), (50, 54529), (58, 54607), (59, 54610), (64, 54670), (74, 54772), (75, 54802), (82, 54853), (84, 54862), (90, 54892), (92, 54901), (97, 54925), (98,

54928), (99, 54934), (101, 54940), (104, 54967), (105, 54976), (107, 54994), (109, 55003), (110, 55006), (112, 55015), (121, 55060), (124, 55084), (125, 55108), (130, 55138), (138, 55153), (143, 55207), (144, 55213), (146, 55225), (156, 55333), (165, 55384), (170, 55411), (174, 55444),

Gene: Dinallo_67 Start: 48764, Stop: 49996, Start Num: 10
Candidate Starts for Dinallo_67:
(9, 48758), (Start: 10 @48764 has 49 MA's), (13, 48773), (16, 48803), (Start: 17 @48812 has 9 MA's), (25, 48890), (35, 48938), (Start: 37 @48956 has 1 MA's), (52, 49070), (58, 49142), (64, 49205), (67, 49235), (73, 49304), (84, 49397), (85, 49403), (93, 49439), (110, 49541), (145, 49748), (148, 49799), (151, 49814), (153, 49844), (154, 49847), (165, 49916), (169, 49934),

Gene: Ditters_52 Start: 37846, Stop: 39018, Start Num: 12
Candidate Starts for Ditters_52:
(Start: 12 @37846 has 15 MA's), (16, 37879), (Start: 17 @37888 has 9 MA's), (22, 37945), (43, 38038), (46, 38050), (59, 38167), (67, 38257), (72, 38314), (73, 38326), (83, 38413), (84, 38419), (87, 38440), (94, 38464), (101, 38497), (106, 38542), (110, 38563), (115, 38596), (117, 38605), (124, 38641), (143, 38755), (145, 38764), (160, 38914), (166, 38935), (168, 38947), (169, 38950),

Gene: DizzyRudy_65 Start: 43023, Stop: 44264, Start Num: 11
Candidate Starts for DizzyRudy_65:
(Start: 11 @43023 has 146 MA's), (Start: 17 @43068 has 9 MA's), (25, 43146), (28, 43158), (35, 43191), (36, 43203), (38, 43212), (48, 43305), (50, 43311), (61, 43422), (67, 43482), (69, 43497), (70, 43503), (84, 43644), (94, 43689), (97, 43707), (100, 43719), (101, 43722), (113, 43800), (115, 43821), (118, 43833), (119, 43836), (124, 43866), (160, 44145), (171, 44193),

Gene: Djungelskog_73 Start: 46147, Stop: 47385, Start Num: 11
Candidate Starts for Djungelskog_73:
(Start: 11 @46147 has 146 MA's), (35, 46318), (52, 46450), (64, 46585), (67, 46615), (72, 46672), (84, 46777), (85, 46783), (92, 46816), (110, 46921), (141, 47110), (169, 47323), (175, 47368),

Gene: DoctorPepper_73 Start: 45849, Stop: 47078, Start Num: 11
Candidate Starts for DoctorPepper_73:
(Start: 11 @45849 has 146 MA's), (35, 46020), (52, 46152), (64, 46287), (67, 46317), (72, 46374), (84, 46479), (85, 46485), (92, 46518), (110, 46623), (140, 46803), (169, 47016), (175, 47061),

Gene: Doxi13_55 Start: 37508, Stop: 38686, Start Num: 12
Candidate Starts for Doxi13_55:
(Start: 12 @37508 has 15 MA's), (16, 37541), (Start: 17 @37550 has 9 MA's), (22, 37607), (39, 37649), (43, 37700), (59, 37829), (67, 37919), (68, 37928), (72, 37976), (73, 37988), (84, 38081), (87, 38102), (94, 38126), (96, 38141), (105, 38195), (106, 38204), (110, 38225), (111, 38228), (112, 38234), (138, 38369), (145, 38432), (146, 38441), (151, 38498), (152, 38516), (160, 38582), (166, 38603), (176, 38663),

Gene: DrGrey_77 Start: 49757, Stop: 50941, Start Num: 11
Candidate Starts for DrGrey_77:
(Start: 11 @49757 has 146 MA's), (Start: 17 @49802 has 9 MA's), (19, 49820), (21, 49832), (52, 50003), (67, 50177), (83, 50333), (84, 50339), (92, 50378), (94, 50384), (99, 50411), (110, 50483), (121, 50537), (124, 50561), (125, 50585), (126, 50591), (133, 50615), (138, 50621), (148, 50735), (160, 50834), (162, 50840), (169, 50870), (170, 50879), (179, 50924),

Gene: Duffington_87 Start: 55182, Stop: 56396, Start Num: 11
Candidate Starts for Duffington_87:

(Start: 11 @55182 has 146 MA's), (13, 55188), (18, 55242), (19, 55245), (21, 55257), (22, 55284), (23, 55287), (26, 55308), (36, 55350), (41, 55392), (46, 55425), (50, 55464), (58, 55542), (59, 55545), (64, 55605), (74, 55707), (75, 55737), (82, 55788), (84, 55797), (92, 55836), (93, 55839), (98, 55863), (99, 55869), (101, 55875), (105, 55911), (107, 55929), (109, 55938), (110, 55941), (112, 55950), (120, 55992), (124, 56019), (125, 56043), (130, 56073), (146, 56160), (165, 56319), (170, 56346),

Gene: Dynamite_80 Start: 46764, Stop: 48074, Start Num: 11
Candidate Starts for Dynamite_80:
(Start: 11 @46764 has 146 MA's), (22, 46866), (64, 47202), (67, 47232), (73, 47301), (76, 47346), (82, 47385), (84, 47394), (90, 47424), (100, 47469), (101, 47472), (107, 47526), (108, 47532), (109, 47535), (110, 47538), (118, 47583), (122, 47610), (125, 47640), (143, 47736), (162, 47901), (174, 47973), (185, 48009),

Gene: Eddiemania_87 Start: 55301, Stop: 56515, Start Num: 11
Candidate Starts for Eddiemania_87:
(Start: 11 @55301 has 146 MA's), (13, 55307), (18, 55361), (19, 55364), (21, 55376), (26, 55427), (36, 55469), (41, 55511), (44, 55538), (46, 55544), (50, 55583), (58, 55661), (59, 55664), (64, 55724), (74, 55826), (75, 55856), (82, 55907), (84, 55916), (90, 55946), (92, 55955), (93, 55958), (97, 55979), (98, 55982), (99, 55988), (101, 55994), (104, 56021), (105, 56030), (107, 56048), (109, 56057), (110, 56060), (112, 56069), (120, 56111), (121, 56114), (124, 56138), (125, 56162), (130, 56192), (138, 56207), (144, 56267), (146, 56279), (163, 56432), (165, 56438), (170, 56465), (174, 56498),

Gene: Eevee_75 Start: 49395, Stop: 50672, Start Num: 11
Candidate Starts for Eevee_75:
(Start: 11 @49395 has 146 MA's), (21, 49470), (27, 49524), (52, 49698), (55, 49734), (59, 49773), (64, 49833), (67, 49863), (84, 50025), (107, 50157), (112, 50178), (118, 50214), (121, 50223), (126, 50277), (133, 50313), (145, 50376), (148, 50427), (151, 50442), (156, 50493), (160, 50526),

Gene: Egad_74 Start: 46123, Stop: 47352, Start Num: 11
Candidate Starts for Egad_74:
(Start: 11 @46123 has 146 MA's), (35, 46294), (52, 46426), (64, 46561), (67, 46591), (72, 46648), (84, 46753), (85, 46759), (92, 46792), (110, 46897), (140, 47077), (169, 47290), (175, 47335),

Gene: ElephantMan_72 Start: 48385, Stop: 49617, Start Num: 10
Candidate Starts for ElephantMan_72:
(9, 48379), (Start: 10 @48385 has 49 MA's), (13, 48394), (16, 48424), (Start: 17 @48433 has 9 MA's), (25, 48511), (35, 48559), (52, 48691), (58, 48763), (64, 48826), (67, 48856), (73, 48925), (84, 49018), (85, 49024), (93, 49060), (110, 49162), (145, 49369), (148, 49420), (151, 49435), (152, 49453), (153, 49465), (154, 49468), (165, 49537), (169, 49555),

Gene: Elsa_79 Start: 46777, Stop: 48087, Start Num: 11
Candidate Starts for Elsa_79:
(Start: 11 @46777 has 146 MA's), (64, 47215), (67, 47245), (73, 47314), (76, 47359), (82, 47398), (84, 47407), (90, 47437), (100, 47482), (101, 47485), (105, 47521), (107, 47539), (108, 47545), (109, 47548), (110, 47551), (113, 47563), (122, 47623), (125, 47653), (159, 47896), (162, 47914), (174, 47986), (185, 48022),

Gene: Elver_140 Start: 72768, Stop: 74012, Start Num: 10
Candidate Starts for Elver_140:
(Start: 10 @72768 has 49 MA's), (16, 72807), (Start: 17 @72816 has 9 MA's), (35, 72942), (41, 72996), (64, 73209), (67, 73239), (73, 73308), (84, 73401), (106, 73524), (110, 73545), (122, 73617), (128, 73665), (131, 73683), (144, 73749), (151, 73818), (156, 73869), (165, 73920), (169, 73938),

Gene: EndAve_88 Start: 55092, Stop: 56306, Start Num: 11
Candidate Starts for EndAve_88:
(Start: 11 @55092 has 146 MA's), (13, 55098), (18, 55152), (21, 55167), (22, 55194), (23, 55197), (26, 55218), (36, 55260), (41, 55302), (44, 55329), (46, 55335), (50, 55374), (58, 55452), (59, 55455), (64, 55515), (74, 55617), (75, 55647), (79, 55674), (83, 55701), (84, 55707), (92, 55746), (93, 55749), (98, 55773), (99, 55779), (101, 55785), (104, 55812), (105, 55821), (107, 55839), (109, 55848), (110, 55851), (112, 55860), (117, 55893), (121, 55905), (124, 55929), (125, 55953), (130, 55983), (138, 55998), (156, 56178), (165, 56229), (170, 56256), (174, 56289),

Gene: Esketit_77 Start: 48345, Stop: 49529, Start Num: 11
Candidate Starts for Esketit_77:
(Start: 11 @48345 has 146 MA's), (Start: 17 @48390 has 9 MA's), (21, 48420), (52, 48591), (58, 48663), (62, 48702), (67, 48765), (84, 48927), (92, 48966), (94, 48972), (99, 48999), (110, 49071), (121, 49125), (124, 49149), (125, 49173), (126, 49179), (133, 49203), (138, 49209), (148, 49323), (160, 49422), (162, 49428), (169, 49458), (170, 49467), (182, 49521),

Gene: Espio_79 Start: 50128, Stop: 51312, Start Num: 11
Candidate Starts for Espio_79:
(Start: 11 @50128 has 146 MA's), (Start: 17 @50173 has 9 MA's), (21, 50203), (52, 50374), (67, 50548), (83, 50704), (84, 50710), (92, 50749), (94, 50755), (99, 50782), (110, 50854), (121, 50908), (124, 50932), (125, 50956), (126, 50962), (133, 50986), (138, 50992), (148, 51106), (160, 51205), (162, 51211), (169, 51241), (170, 51250), (179, 51295),

Gene: Fazel_87 Start: 53972, Stop: 55189, Start Num: 11
Candidate Starts for Fazel_87:
(Start: 11 @53972 has 146 MA's), (18, 54032), (19, 54035), (21, 54047), (23, 54077), (26, 54098), (36, 54140), (41, 54182), (52, 54260), (57, 54317), (58, 54332), (59, 54335), (64, 54395), (71, 54461), (82, 54578), (83, 54581), (84, 54587), (95, 54644), (97, 54650), (98, 54653), (99, 54659), (101, 54665), (102, 54686), (105, 54701), (106, 54710), (107, 54719), (110, 54731), (121, 54785), (127, 54842), (144, 54938), (146, 54950), (148, 54992), (156, 55058), (159, 55079), (160, 55091), (170, 55136), (177, 55175),

Gene: FidgetOrca_83 Start: 49795, Stop: 50979, Start Num: 11
Candidate Starts for FidgetOrca_83:
(Start: 11 @49795 has 146 MA's), (Start: 17 @49840 has 9 MA's), (21, 49870), (52, 50041), (58, 50113), (62, 50152), (67, 50215), (84, 50377), (92, 50416), (94, 50422), (99, 50449), (110, 50521), (121, 50575), (124, 50599), (125, 50623), (126, 50629), (133, 50653), (138, 50659), (148, 50773), (160, 50872), (162, 50878), (169, 50908), (170, 50917), (182, 50971),

Gene: Figliar_85 Start: 54986, Stop: 56200, Start Num: 11
Candidate Starts for Figliar_85:
(Start: 11 @54986 has 146 MA's), (13, 54992), (18, 55046), (19, 55049), (21, 55061), (22, 55088), (23, 55091), (26, 55112), (36, 55154), (41, 55196), (46, 55229), (50, 55268), (58, 55346), (59, 55349), (64, 55409), (74, 55511), (75, 55541), (82, 55592), (84, 55601), (92, 55640), (93, 55643), (98, 55667), (99, 55673), (101, 55679), (105, 55715), (107, 55733), (109, 55742), (110, 55745), (112, 55754), (120, 55796), (122, 55817), (124, 55823), (125, 55847), (130, 55877), (146, 55964), (156, 56072), (161, 56108), (165, 56123), (170, 56150), (174, 56183),

Gene: Football_91 Start: 53701, Stop: 54921, Start Num: 11
Candidate Starts for Football_91:
(Start: 11 @53701 has 146 MA's), (16, 53737), (Start: 17 @53746 has 9 MA's), (20, 53767), (23, 53806), (26, 53827), (46, 53944), (47, 53968), (50, 53983), (68, 54163), (74, 54226), (75, 54256), (77, 54274), (82, 54307), (84, 54316), (98, 54382), (100, 54391), (101, 54394), (105, 54430), (106, 54439),

(107, 54448), (110, 54460), (120, 54511), (121, 54514), (125, 54565), (127, 54574), (139, 54643), (146, 54682), (156, 54790), (160, 54823), (165, 54841), (170, 54868),

Gene: FortCran_87 Start: 53621, Stop: 54841, Start Num: 11
Candidate Starts for FortCran_87:
(Start: 11 @53621 has 146 MA's), (18, 53681), (19, 53684), (22, 53723), (26, 53747), (36, 53789), (41, 53831), (46, 53864), (50, 53903), (52, 53909), (58, 53981), (64, 54044), (74, 54146), (75, 54176), (77, 54194), (82, 54227), (83, 54230), (84, 54236), (95, 54293), (98, 54302), (100, 54311), (101, 54314), (105, 54350), (106, 54359), (107, 54368), (110, 54380), (120, 54431), (121, 54434), (125, 54485), (127, 54494), (146, 54602), (156, 54710), (160, 54743), (165, 54761), (168, 54776),

Gene: FrodoSwaggins_79 Start: 50151, Stop: 51335, Start Num: 11
Candidate Starts for FrodoSwaggins_79:
(Start: 11 @50151 has 146 MA's), (Start: 17 @50196 has 9 MA's), (19, 50214), (21, 50226), (52, 50397), (67, 50571), (83, 50727), (84, 50733), (92, 50772), (94, 50778), (99, 50805), (110, 50877), (121, 50931), (124, 50955), (125, 50979), (126, 50985), (133, 51009), (138, 51015), (148, 51129), (160, 51228), (162, 51234), (169, 51264), (170, 51273), (179, 51318),

Gene: FromIndy_87 Start: 50623, Stop: 51813, Start Num: 11
Candidate Starts for FromIndy_87:
(Start: 11 @50623 has 146 MA's), (23, 50728), (41, 50797), (59, 50950), (60, 50968), (69, 51055), (73, 51109), (84, 51202), (89, 51229), (112, 51355), (122, 51418), (125, 51448), (128, 51466), (151, 51613), (158, 51682), (160, 51697), (164, 51712), (168, 51730), (169, 51733), (170, 51742),

Gene: Gandionco_136 Start: 71890, Stop: 73134, Start Num: 10
Candidate Starts for Gandionco_136:
(Start: 10 @71890 has 49 MA's), (16, 71929), (Start: 17 @71938 has 9 MA's), (35, 72064), (41, 72118), (64, 72331), (67, 72361), (70, 72382), (73, 72430), (75, 72463), (83, 72517), (84, 72523), (106, 72646), (110, 72667), (112, 72676), (122, 72739), (143, 72865), (144, 72871), (151, 72940), (156, 72991), (165, 73042), (169, 73060),

Gene: GantcherGoblin_74 Start: 45847, Stop: 47094, Start Num: 10
Candidate Starts for GantcherGoblin_74:
(Start: 10 @45847 has 49 MA's), (Start: 33 @46009 has 1 MA's), (35, 46021), (41, 46075), (52, 46153), (59, 46228), (67, 46318), (68, 46327), (75, 46420), (84, 46480), (100, 46555), (110, 46624), (165, 46999), (169, 47017),

Gene: GermyBearimy_84 Start: 49100, Stop: 50329, Start Num: 10
Candidate Starts for GermyBearimy_84:
(Start: 10 @49100 has 49 MA's), (Start: 17 @49148 has 9 MA's), (35, 49274), (52, 49406), (59, 49481), (67, 49571), (69, 49586), (70, 49592), (73, 49640), (74, 49643), (80, 49703), (84, 49733), (106, 49856), (145, 50084), (148, 50135), (175, 50315), (178, 50324),

Gene: Giantsbane_77 Start: 47101, Stop: 48288, Start Num: 17
Candidate Starts for Giantsbane_77:
(Start: 10 @47056 has 49 MA's), (Start: 12 @47062 has 15 MA's), (14, 47068), (Start: 17 @47101 has 9 MA's), (35, 47227), (52, 47359), (64, 47494), (67, 47524), (79, 47653), (84, 47686), (85, 47692), (93, 47728), (110, 47830), (148, 48091), (152, 48124), (153, 48136), (154, 48139), (165, 48208),

Gene: Gill_87 Start: 53651, Stop: 54871, Start Num: 11
Candidate Starts for Gill_87:
(Start: 11 @53651 has 146 MA's), (18, 53711), (19, 53714), (22, 53753), (26, 53777), (36, 53819), (41, 53861), (46, 53894), (50, 53933), (52, 53939), (56, 53990), (58, 54011), (64, 54074), (74, 54176), (75,

54206), (77, 54224), (82, 54257), (84, 54266), (98, 54332), (100, 54341), (101, 54344), (105, 54380), (106, 54389), (107, 54398), (110, 54410), (120, 54461), (121, 54464), (125, 54515), (127, 54524), (139, 54593), (146, 54632), (156, 54740), (160, 54773), (165, 54791), (170, 54818),

Gene: GirlPower_74 Start: 49223, Stop: 50407, Start Num: 11
Candidate Starts for GirlPower_74:
(Start: 11 @49223 has 146 MA's), (Start: 17 @49268 has 9 MA's), (19, 49286), (21, 49298), (52, 49469), (67, 49643), (69, 49658), (84, 49805), (92, 49844), (94, 49850), (110, 49949), (117, 49991), (121, 50003), (124, 50027), (125, 50051), (126, 50057), (133, 50081), (138, 50087), (156, 50267), (160, 50300), (162, 50306), (168, 50333), (169, 50336), (170, 50345), (171, 50348),

Gene: Glintora_88 Start: 55373, Stop: 56587, Start Num: 11
Candidate Starts for Glintora_88:
(Start: 11 @55373 has 146 MA's), (13, 55379), (18, 55433), (21, 55448), (22, 55475), (23, 55478), (26, 55499), (36, 55541), (41, 55583), (46, 55616), (50, 55655), (58, 55733), (59, 55736), (64, 55796), (74, 55898), (79, 55955), (83, 55982), (84, 55988), (86, 55997), (98, 56054), (99, 56060), (101, 56066), (104, 56093), (105, 56102), (107, 56120), (109, 56129), (110, 56132), (112, 56141), (124, 56210), (125, 56234), (130, 56264), (143, 56333), (146, 56351), (165, 56510), (170, 56537), (174, 56570),

Gene: GoCrazy_77 Start: 46024, Stop: 47334, Start Num: 11
Candidate Starts for GoCrazy_77:
(Start: 11 @46024 has 146 MA's), (64, 46462), (67, 46492), (73, 46561), (76, 46606), (82, 46645), (84, 46654), (90, 46684), (100, 46729), (101, 46732), (107, 46786), (108, 46792), (110, 46798), (122, 46870), (125, 46900), (143, 46996), (159, 47143), (162, 47161), (174, 47233), (185, 47269),

Gene: GoblinVoyage_54 Start: 37351, Stop: 38529, Start Num: 12
Candidate Starts for GoblinVoyage_54:
(Start: 12 @37351 has 15 MA's), (16, 37384), (Start: 17 @37393 has 9 MA's), (22, 37450), (39, 37492), (43, 37543), (59, 37672), (67, 37762), (68, 37771), (72, 37819), (73, 37831), (84, 37924), (87, 37945), (94, 37969), (96, 37984), (105, 38038), (106, 38047), (110, 38068), (111, 38071), (112, 38077), (117, 38110), (138, 38212), (145, 38275), (146, 38284), (151, 38341), (152, 38359), (160, 38425), (166, 38446), (176, 38506),

Gene: Gordon_69 Start: 48372, Stop: 49604, Start Num: 10
Candidate Starts for Gordon_69:
(Start: 10 @48372 has 49 MA's), (13, 48381), (16, 48411), (Start: 17 @48420 has 9 MA's), (25, 48498), (35, 48546), (Start: 37 @48564 has 1 MA's), (52, 48678), (58, 48750), (64, 48813), (67, 48843), (73, 48912), (84, 49005), (85, 49011), (93, 49047), (110, 49149), (139, 49326), (145, 49356), (148, 49407), (151, 49422), (152, 49440), (153, 49452), (154, 49455), (165, 49524), (169, 49542),

Gene: Gravy_86 Start: 53314, Stop: 54534, Start Num: 11
Candidate Starts for Gravy_86:
(Start: 11 @53314 has 146 MA's), (18, 53374), (19, 53377), (22, 53416), (26, 53440), (36, 53482), (41, 53524), (46, 53557), (50, 53596), (52, 53602), (56, 53653), (58, 53674), (64, 53737), (74, 53839), (75, 53869), (77, 53887), (82, 53920), (84, 53929), (98, 53995), (100, 54004), (101, 54007), (105, 54043), (106, 54052), (107, 54061), (110, 54073), (120, 54124), (121, 54127), (125, 54178), (127, 54187), (139, 54256), (146, 54295), (156, 54403), (160, 54436), (165, 54454), (170, 54481),

Gene: Gusicorn_87 Start: 54312, Stop: 55526, Start Num: 11
Candidate Starts for Gusicorn_87:
(Start: 11 @54312 has 146 MA's), (13, 54318), (18, 54372), (19, 54375), (21, 54387), (25, 54435), (26, 54438), (36, 54480), (41, 54522), (46, 54555), (50, 54594), (58, 54672), (59, 54675), (64, 54735), (81, 54915), (82, 54918), (83, 54921), (84, 54927), (92, 54966), (98, 54993), (101, 55005), (104, 55032),

(105, 55041), (107, 55059), (109, 55068), (110, 55071), (112, 55080), (121, 55125), (124, 55149), (125, 55173), (143, 55272), (144, 55278), (146, 55290), (148, 55332), (156, 55398), (159, 55419), (165, 55449), (174, 55509),

Gene: Hajile_86 Start: 50230, Stop: 51687, Start Num: 11
Candidate Starts for Hajile_86:
(Start: 11 @50230 has 146 MA's), (39, 50374), (51, 50473), (67, 50650), (74, 50722), (84, 50812), (94, 50857), (97, 50875), (110, 50956), (116, 50995), (117, 50998), (124, 51034), (126, 51064), (130, 51115), (135, 51250), (136, 51286), (137, 51355), (143, 51412), (149, 51475), (155, 51529), (156, 51538), (160, 51571), (161, 51574), (162, 51577), (168, 51604), (170, 51616), (171, 51619), (176, 51652), (182, 51670),

Gene: Hankly_80 Start: 46402, Stop: 47712, Start Num: 11
Candidate Starts for Hankly_80:
(Start: 11 @46402 has 146 MA's), (22, 46504), (64, 46840), (67, 46870), (73, 46939), (76, 46984), (82, 47023), (84, 47032), (90, 47062), (100, 47107), (101, 47110), (107, 47164), (108, 47170), (109, 47173), (110, 47176), (118, 47221), (122, 47248), (125, 47278), (143, 47374), (162, 47539), (174, 47611), (185, 47647),

Gene: HazuAndZazu_78 Start: 49504, Stop: 50688, Start Num: 11
Candidate Starts for HazuAndZazu_78:
(Start: 11 @49504 has 146 MA's), (Start: 17 @49549 has 9 MA's), (21, 49579), (52, 49750), (67, 49924), (84, 50086), (92, 50125), (94, 50131), (99, 50158), (110, 50230), (121, 50284), (124, 50308), (125, 50332), (126, 50338), (133, 50362), (138, 50368), (148, 50482), (160, 50581), (162, 50587), (169, 50617), (170, 50626), (179, 50671),

Gene: Heisenberger_78 Start: 46034, Stop: 47344, Start Num: 11
Candidate Starts for Heisenberger_78:
(Start: 11 @46034 has 146 MA's), (52, 46337), (64, 46472), (67, 46502), (73, 46571), (76, 46616), (82, 46655), (84, 46664), (90, 46694), (100, 46739), (101, 46742), (107, 46796), (108, 46802), (109, 46805), (110, 46808), (113, 46820), (122, 46880), (125, 46910), (159, 47153), (162, 47171), (174, 47243), (185, 47279),

Gene: Hemma_73 Start: 45746, Stop: 46978, Start Num: 10
Candidate Starts for Hemma_73:
(Start: 10 @45746 has 49 MA's), (16, 45782), (Start: 17 @45791 has 9 MA's), (35, 45917), (38, 45938), (58, 46121), (59, 46124), (64, 46184), (67, 46214), (84, 46376), (85, 46382), (93, 46418), (106, 46499), (110, 46520), (140, 46703), (143, 46721), (148, 46781), (150, 46787), (156, 46847), (165, 46898),

Gene: HerbBucket_73 Start: 45855, Stop: 47084, Start Num: 11
Candidate Starts for HerbBucket_73:
(Start: 11 @45855 has 146 MA's), (35, 46026), (52, 46158), (64, 46293), (67, 46323), (72, 46380), (82, 46476), (84, 46485), (85, 46491), (92, 46524), (110, 46629), (140, 46809), (169, 47022), (175, 47067),

Gene: Hortihabitatio_84 Start: 53744, Stop: 54961, Start Num: 11
Candidate Starts for Hortihabitatio_84:
(Start: 11 @53744 has 146 MA's), (18, 53804), (21, 53819), (25, 53867), (26, 53870), (36, 53912), (52, 54032), (58, 54104), (59, 54107), (64, 54167), (71, 54233), (75, 54299), (77, 54317), (82, 54350), (83, 54353), (84, 54359), (95, 54416), (97, 54422), (98, 54425), (102, 54458), (105, 54473), (106, 54482), (107, 54491), (110, 54503), (121, 54557), (124, 54581), (127, 54614), (144, 54710), (146, 54722), (147, 54749), (159, 54851), (160, 54863), (170, 54908), (177, 54947),

Gene: Hoshi_82 Start: 49408, Stop: 50592, Start Num: 11

Candidate Starts for Hoshi_82:
(Start: 11 @49408 has 146 MA's), (Start: 17 @49453 has 9 MA's), (21, 49483), (52, 49654), (58, 49726), (62, 49765), (67, 49828), (84, 49990), (92, 50029), (94, 50035), (99, 50062), (110, 50134), (121, 50188), (124, 50212), (125, 50236), (126, 50242), (133, 50266), (138, 50272), (148, 50386), (160, 50485), (162, 50491), (169, 50521), (170, 50530), (182, 50584),

Gene: HotFries_52 Start: 37541, Stop: 38713, Start Num: 12
Candidate Starts for HotFries_52:
(Start: 12 @37541 has 15 MA's), (16, 37574), (Start: 17 @37583 has 9 MA's), (22, 37640), (43, 37733), (59, 37862), (67, 37952), (72, 38009), (73, 38021), (83, 38108), (84, 38114), (87, 38135), (94, 38159), (96, 38174), (105, 38228), (106, 38237), (110, 38258), (111, 38261), (117, 38300), (145, 38459), (151, 38525), (152, 38543), (160, 38609), (166, 38630),

Gene: Hydrus_85 Start: 54691, Stop: 55905, Start Num: 11
Candidate Starts for Hydrus_85:
(Start: 11 @54691 has 146 MA's), (13, 54697), (18, 54751), (19, 54754), (21, 54766), (25, 54814), (26, 54817), (36, 54859), (41, 54901), (44, 54928), (46, 54934), (50, 54973), (58, 55051), (59, 55054), (64, 55114), (74, 55216), (75, 55246), (79, 55273), (82, 55297), (83, 55300), (84, 55306), (90, 55336), (92, 55345), (93, 55348), (97, 55369), (98, 55372), (99, 55378), (101, 55384), (104, 55411), (105, 55420), (107, 55438), (109, 55447), (110, 55450), (112, 55459), (121, 55504), (124, 55528), (125, 55552), (138, 55597), (143, 55651), (144, 55657), (146, 55669), (156, 55777), (165, 55828), (170, 55855), (174, 55888),

Gene: IceWarrior_81 Start: 49214, Stop: 50398, Start Num: 11
Candidate Starts for IceWarrior_81:
(Start: 11 @49214 has 146 MA's), (Start: 17 @49259 has 9 MA's), (21, 49289), (52, 49460), (67, 49634), (84, 49796), (92, 49835), (94, 49841), (99, 49868), (110, 49940), (121, 49994), (124, 50018), (125, 50042), (126, 50048), (133, 50072), (138, 50078), (148, 50192), (160, 50291), (162, 50297), (169, 50327), (170, 50336), (179, 50381),

Gene: Indigenous_83 Start: 49799, Stop: 50983, Start Num: 11
Candidate Starts for Indigenous_83:
(Start: 11 @49799 has 146 MA's), (Start: 17 @49844 has 9 MA's), (21, 49874), (52, 50045), (58, 50117), (62, 50156), (67, 50219), (84, 50381), (92, 50420), (94, 50426), (99, 50453), (110, 50525), (121, 50579), (124, 50603), (125, 50627), (126, 50633), (133, 50657), (138, 50663), (148, 50777), (160, 50876), (162, 50882), (169, 50912), (170, 50921), (182, 50975),

Gene: Ingrid_79 Start: 48327, Stop: 49514, Start Num: 17
Candidate Starts for Ingrid_79:
(16, 48318), (Start: 17 @48327 has 9 MA's), (35, 48453), (59, 48660), (64, 48720), (67, 48750), (84, 48912), (93, 48954), (107, 49044), (110, 49056), (139, 49236), (148, 49317), (153, 49362), (165, 49434), (169, 49452),

Gene: Inked_79 Start: 49076, Stop: 50290, Start Num: 17
Candidate Starts for Inked_79:
(9, 49025), (Start: 10 @49031 has 49 MA's), (16, 49067), (Start: 17 @49076 has 9 MA's), (35, 49202), (43, 49277), (58, 49406), (59, 49409), (64, 49469), (67, 49499), (79, 49628), (84, 49661), (93, 49703), (110, 49805), (139, 49985), (148, 50066), (153, 50111), (165, 50183),

Gene: Issa_67 Start: 47543, Stop: 48793, Start Num: 10
Candidate Starts for Issa_67:
(9, 47537), (Start: 10 @47543 has 49 MA's), (13, 47552), (16, 47582), (Start: 17 @47591 has 9 MA's), (25, 47669), (35, 47717), (Start: 37 @47735 has 1 MA's), (52, 47849), (58, 47921), (64, 47984), (67,

48014), (73, 48083), (84, 48176), (85, 48182), (93, 48218), (110, 48320), (139, 48497), (148, 48578), (152, 48611), (153, 48623), (154, 48626), (165, 48695), (169, 48713),

Gene: JEGGS_78 Start: 46113, Stop: 47423, Start Num: 11
Candidate Starts for JEGGS_78:
(Start: 11 @46113 has 146 MA's), (52, 46416), (64, 46551), (67, 46581), (73, 46650), (76, 46695), (82, 46734), (84, 46743), (90, 46773), (100, 46818), (101, 46821), (107, 46875), (108, 46881), (109, 46884), (110, 46887), (113, 46899), (122, 46959), (125, 46989), (159, 47232), (162, 47250), (174, 47322), (185, 47358),

Gene: Jaylociraptor_81 Start: 49380, Stop: 50564, Start Num: 11
Candidate Starts for Jaylociraptor_81:
(Start: 11 @49380 has 146 MA's), (Start: 17 @49425 has 9 MA's), (21, 49455), (52, 49626), (58, 49698), (62, 49737), (67, 49800), (84, 49962), (92, 50001), (94, 50007), (99, 50034), (110, 50106), (121, 50160), (124, 50184), (125, 50208), (126, 50214), (133, 50238), (138, 50244), (148, 50358), (160, 50457), (162, 50463), (169, 50493), (170, 50502), (182, 50556),

Gene: Jazzy4900_73 Start: 48298, Stop: 49527, Start Num: 10
Candidate Starts for Jazzy4900_73:
(Start: 10 @48298 has 49 MA's), (Start: 17 @48346 has 9 MA's), (35, 48472), (52, 48604), (59, 48679), (64, 48739), (67, 48769), (69, 48784), (70, 48790), (73, 48838), (80, 48901), (84, 48931), (148, 49333), (151, 49348), (174, 49510), (175, 49513),

Gene: JeNeSaisPas_138 Start: 72486, Stop: 73730, Start Num: 10
Candidate Starts for JeNeSaisPas_138:
(Start: 10 @72486 has 49 MA's), (16, 72525), (Start: 17 @72534 has 9 MA's), (35, 72660), (41, 72714), (64, 72927), (67, 72957), (73, 73026), (84, 73119), (106, 73242), (110, 73263), (122, 73335), (128, 73383), (131, 73401), (144, 73467), (151, 73536), (156, 73587), (165, 73638), (169, 73656),

Gene: Jeremy4pt0_73 Start: 45841, Stop: 47070, Start Num: 11
Candidate Starts for Jeremy4pt0_73:
(Start: 11 @45841 has 146 MA's), (35, 46012), (52, 46144), (64, 46279), (67, 46309), (72, 46366), (84, 46471), (85, 46477), (92, 46510), (110, 46615), (140, 46795), (169, 47008), (175, 47053),

Gene: Jodelie19_85 Start: 56153, Stop: 57367, Start Num: 11
Candidate Starts for Jodelie19_85:
(Start: 11 @56153 has 146 MA's), (13, 56159), (18, 56213), (19, 56216), (21, 56228), (22, 56255), (23, 56258), (26, 56279), (36, 56321), (41, 56363), (46, 56396), (50, 56435), (58, 56513), (59, 56516), (64, 56576), (74, 56678), (75, 56708), (79, 56735), (82, 56759), (84, 56768), (90, 56798), (92, 56807), (93, 56810), (98, 56834), (101, 56846), (104, 56873), (105, 56882), (107, 56900), (109, 56909), (110, 56912), (112, 56921), (120, 56963), (124, 56990), (125, 57014), (130, 57044), (146, 57131), (156, 57239), (165, 57290), (170, 57317), (174, 57350),

Gene: JoyLin_76 Start: 49753, Stop: 51030, Start Num: 11
Candidate Starts for JoyLin_76:
(Start: 11 @49753 has 146 MA's), (21, 49828), (27, 49882), (52, 50056), (55, 50092), (59, 50131), (64, 50191), (67, 50221), (84, 50383), (107, 50515), (112, 50536), (118, 50572), (121, 50581), (126, 50635), (133, 50671), (145, 50734), (148, 50785), (151, 50800), (156, 50851), (160, 50884),

Gene: JulesRay_86 Start: 53717, Stop: 54937, Start Num: 11
Candidate Starts for JulesRay_86:
(Start: 11 @53717 has 146 MA's), (18, 53777), (19, 53780), (22, 53819), (26, 53843), (36, 53885), (41, 53927), (44, 53954), (46, 53960), (50, 53999), (52, 54005), (58, 54077), (64, 54140), (74, 54242), (75,

54272), (77, 54290), (82, 54323), (84, 54332), (98, 54398), (100, 54407), (101, 54410), (105, 54446), (106, 54455), (107, 54464), (110, 54476), (120, 54527), (121, 54530), (125, 54581), (127, 54590), (139, 54659), (146, 54698), (156, 54806), (160, 54839), (165, 54857),

Gene: Kardashian_78 Start: 49852, Stop: 51051, Start Num: 11
Candidate Starts for Kardashian_78:
(Start: 11 @49852 has 146 MA's), (16, 49888), (39, 49996), (61, 50209), (64, 50248), (69, 50293), (77, 50398), (80, 50410), (82, 50431), (84, 50440), (92, 50479), (97, 50503), (110, 50584), (113, 50596), (117, 50626), (121, 50638), (122, 50656), (124, 50662), (125, 50686), (126, 50692), (169, 50971), (170, 50980), (173, 51007),

Gene: Kardesai_80 Start: 46338, Stop: 47648, Start Num: 11
Candidate Starts for Kardesai_80:
(Start: 11 @46338 has 146 MA's), (64, 46776), (65, 46779), (67, 46806), (76, 46920), (84, 46968), (90, 46998), (100, 47043), (101, 47046), (107, 47100), (108, 47106), (109, 47109), (110, 47112), (113, 47124), (122, 47184), (124, 47190), (143, 47310), (162, 47475), (174, 47547), (185, 47583),

Gene: KeaneyLin_76 Start: 46024, Stop: 47334, Start Num: 11
Candidate Starts for KeaneyLin_76:
(Start: 11 @46024 has 146 MA's), (64, 46462), (67, 46492), (73, 46561), (76, 46606), (82, 46645), (84, 46654), (90, 46684), (100, 46729), (101, 46732), (107, 46786), (108, 46792), (110, 46798), (122, 46870), (125, 46900), (143, 46996), (159, 47143), (162, 47161), (174, 47233), (185, 47269),

Gene: Kenosha_85 Start: 54773, Stop: 55987, Start Num: 11
Candidate Starts for Kenosha_85:
(Start: 11 @54773 has 146 MA's), (13, 54779), (18, 54833), (19, 54836), (21, 54848), (25, 54896), (26, 54899), (36, 54941), (41, 54983), (46, 55016), (50, 55055), (58, 55133), (59, 55136), (64, 55196), (74, 55298), (75, 55328), (82, 55379), (84, 55388), (90, 55418), (92, 55427), (93, 55430), (97, 55451), (98, 55454), (100, 55463), (101, 55466), (104, 55493), (105, 55502), (107, 55520), (109, 55529), (110, 55532), (112, 55541), (120, 55583), (121, 55586), (124, 55610), (125, 55634), (130, 55664), (146, 55751), (156, 55859), (163, 55904), (165, 55910), (170, 55937), (174, 55970),

Gene: Kerry_86 Start: 53377, Stop: 54597, Start Num: 11
Candidate Starts for Kerry_86:
(Start: 11 @53377 has 146 MA's), (18, 53437), (19, 53440), (22, 53479), (26, 53503), (36, 53545), (41, 53587), (46, 53620), (50, 53659), (52, 53665), (56, 53716), (58, 53737), (64, 53800), (74, 53902), (75, 53932), (77, 53950), (82, 53983), (84, 53992), (98, 54058), (100, 54067), (101, 54070), (105, 54106), (106, 54115), (107, 54124), (110, 54136), (120, 54187), (121, 54190), (125, 54241), (127, 54250), (139, 54319), (146, 54358), (156, 54466), (160, 54499), (165, 54517), (170, 54544),

Gene: KevinMinion_73 Start: 46637, Stop: 47884, Start Num: 10
Candidate Starts for KevinMinion_73:
(Start: 10 @46637 has 49 MA's), (Start: 33 @46799 has 1 MA's), (35, 46811), (41, 46865), (52, 46943), (59, 47018), (67, 47108), (68, 47117), (75, 47210), (84, 47270), (100, 47345), (110, 47414), (165, 47789), (169, 47807),

Gene: Kinny_79 Start: 47912, Stop: 49159, Start Num: 10
Candidate Starts for Kinny_79:
(Start: 10 @47912 has 49 MA's), (21, 47990), (35, 48086), (41, 48140), (52, 48218), (67, 48383), (68, 48392), (84, 48545), (110, 48689), (165, 49064), (169, 49082),

Gene: Kureo_137 Start: 72086, Stop: 73330, Start Num: 10
Candidate Starts for Kureo_137:

(Start: 10 @72086 has 49 MA's), (16, 72125), (Start: 17 @72134 has 9 MA's), (35, 72260), (41, 72314), (64, 72527), (67, 72557), (73, 72626), (84, 72719), (106, 72842), (110, 72863), (112, 72872), (122, 72935), (124, 72941), (143, 73061), (144, 73067), (151, 73136), (156, 73187), (165, 73238), (169, 73256),

Gene: Leathea_79 Start: 45971, Stop: 47212, Start Num: 10
Candidate Starts for Leathea_79:
(Start: 10 @45971 has 49 MA's), (35, 46145), (41, 46199), (52, 46277), (67, 46442), (68, 46451), (84, 46604), (110, 46748), (165, 47123), (169, 47141), (183, 47201),

Gene: Lewando_79 Start: 47409, Stop: 48656, Start Num: 10
Candidate Starts for Lewando_79:
(Start: 10 @47409 has 49 MA's), (21, 47487), (35, 47583), (41, 47637), (52, 47715), (59, 47790), (67, 47880), (68, 47889), (84, 48042), (100, 48117), (110, 48186), (165, 48561), (169, 48579), (183, 48645),

Gene: LibertyBell_74 Start: 46467, Stop: 47684, Start Num: 11
Candidate Starts for LibertyBell_74:
(Start: 11 @46467 has 146 MA's), (15, 46482), (Start: 17 @46512 has 9 MA's), (24, 46581), (36, 46599), (40, 46614), (50, 46710), (52, 46716), (54, 46746), (58, 46788), (61, 46821), (62, 46827), (67, 46881), (75, 46983), (84, 47043), (85, 47049), (94, 47088), (110, 47187), (120, 47238), (123, 47262), (128, 47307), (133, 47319), (138, 47325), (160, 47538), (180, 47631), (185, 47652),

Gene: LilHuddy_77 Start: 48206, Stop: 49438, Start Num: 10
Candidate Starts for LilHuddy_77:
(Start: 10 @48206 has 49 MA's), (Start: 12 @48212 has 15 MA's), (Start: 17 @48251 has 9 MA's), (35, 48377), (52, 48509), (58, 48581), (64, 48644), (67, 48674), (74, 48746), (84, 48836), (85, 48842), (93, 48878), (110, 48980), (148, 49241), (153, 49286), (165, 49358),

Gene: Linda_74 Start: 46139, Stop: 47368, Start Num: 11
Candidate Starts for Linda_74:
(Start: 11 @46139 has 146 MA's), (35, 46310), (52, 46442), (64, 46577), (67, 46607), (72, 46664), (84, 46769), (85, 46775), (92, 46808), (110, 46913), (140, 47093), (169, 47306), (175, 47351),

Gene: Loretta_75 Start: 48327, Stop: 49514, Start Num: 17
Candidate Starts for Loretta_75:
(16, 48318), (Start: 17 @48327 has 9 MA's), (35, 48453), (59, 48660), (64, 48720), (67, 48750), (84, 48912), (93, 48954), (107, 49044), (110, 49056), (139, 49236), (148, 49317), (153, 49362), (165, 49434), (169, 49452),

Gene: LucySwiss_73 Start: 47512, Stop: 48744, Start Num: 10
Candidate Starts for LucySwiss_73:
(9, 47506), (Start: 10 @47512 has 49 MA's), (13, 47521), (16, 47551), (Start: 17 @47560 has 9 MA's), (25, 47638), (35, 47686), (52, 47818), (58, 47890), (64, 47953), (67, 47983), (73, 48052), (84, 48145), (85, 48151), (93, 48187), (110, 48289), (145, 48496), (148, 48547), (150, 48553), (151, 48562), (152, 48580), (153, 48592), (154, 48595), (165, 48664), (169, 48682),

Gene: Luthien_86 Start: 55097, Stop: 56311, Start Num: 11
Candidate Starts for Luthien_86:
(Start: 11 @55097 has 146 MA's), (13, 55103), (18, 55157), (21, 55172), (22, 55199), (23, 55202), (26, 55223), (36, 55265), (41, 55307), (46, 55340), (50, 55379), (58, 55457), (59, 55460), (64, 55520), (74, 55622), (75, 55652), (79, 55679), (82, 55703), (84, 55712), (90, 55742), (92, 55751), (93, 55754), (98, 55778), (99, 55784), (101, 55790), (104, 55817), (105, 55826), (107, 55844), (109, 55853), (110,

55856), (112, 55865), (121, 55910), (124, 55934), (125, 55958), (130, 55988), (138, 56003), (146, 56075), (156, 56183), (165, 56234), (170, 56261), (174, 56294),

Gene: Madamato_80 Start: 49054, Stop: 50238, Start Num: 11
Candidate Starts for Madamato_80:
(Start: 11 @49054 has 146 MA's), (Start: 17 @49099 has 9 MA's), (21, 49129), (50, 49294), (52, 49300), (67, 49474), (84, 49636), (92, 49675), (94, 49681), (110, 49780), (117, 49822), (121, 49834), (124, 49858), (125, 49882), (126, 49888), (133, 49912), (138, 49918), (148, 50032), (159, 50119), (160, 50131), (162, 50137), (169, 50167), (170, 50176),

Gene: Madvan_85 Start: 54003, Stop: 55217, Start Num: 11
Candidate Starts for Madvan_85:
(Start: 11 @54003 has 146 MA's), (13, 54009), (18, 54063), (19, 54066), (21, 54078), (25, 54126), (26, 54129), (36, 54171), (41, 54213), (46, 54246), (50, 54285), (58, 54363), (59, 54366), (64, 54426), (74, 54528), (75, 54558), (76, 54570), (82, 54609), (84, 54618), (90, 54648), (92, 54657), (93, 54660), (98, 54684), (101, 54696), (104, 54723), (105, 54732), (107, 54750), (109, 54759), (110, 54762), (112, 54771), (121, 54816), (124, 54840), (125, 54864), (138, 54909), (143, 54963), (144, 54969), (146, 54981), (156, 55089), (165, 55140), (170, 55167), (174, 55200),

Gene: Magel_88 Start: 53566, Stop: 54786, Start Num: 11
Candidate Starts for Magel_88:
(Start: 11 @53566 has 146 MA's), (18, 53626), (19, 53629), (22, 53668), (26, 53692), (36, 53734), (41, 53776), (46, 53809), (50, 53848), (52, 53854), (56, 53905), (58, 53926), (64, 53989), (74, 54091), (75, 54121), (77, 54139), (82, 54172), (84, 54181), (98, 54247), (100, 54256), (101, 54259), (105, 54295), (106, 54304), (107, 54313), (110, 54325), (120, 54376), (121, 54379), (125, 54430), (127, 54439), (139, 54508), (146, 54547), (156, 54655), (160, 54688), (165, 54706), (170, 54733),

Gene: MajinBuu_87 Start: 55364, Stop: 56578, Start Num: 11
Candidate Starts for MajinBuu_87:
(Start: 11 @55364 has 146 MA's), (13, 55370), (18, 55424), (19, 55427), (21, 55439), (22, 55466), (23, 55469), (26, 55490), (36, 55532), (41, 55574), (46, 55607), (58, 55724), (59, 55727), (64, 55787), (74, 55889), (75, 55919), (82, 55970), (84, 55979), (92, 56018), (93, 56021), (98, 56045), (99, 56051), (101, 56057), (105, 56093), (107, 56111), (109, 56120), (110, 56123), (112, 56132), (120, 56174), (124, 56201), (125, 56225), (130, 56255), (146, 56342), (165, 56501), (170, 56528),

Gene: Makai_75 Start: 48472, Stop: 49704, Start Num: 10
Candidate Starts for Makai_75:
(Start: 10 @48472 has 49 MA's), (Start: 12 @48478 has 15 MA's), (14, 48484), (Start: 17 @48517 has 9 MA's), (34, 48634), (35, 48643), (52, 48775), (58, 48847), (64, 48910), (67, 48940), (76, 49054), (84, 49102), (85, 49108), (93, 49144), (110, 49246), (148, 49507), (152, 49540), (153, 49552), (154, 49555), (165, 49624),

Gene: Mardi_77 Start: 46514, Stop: 47761, Start Num: 10
Candidate Starts for Mardi_77:
(Start: 10 @46514 has 49 MA's), (Start: 33 @46676 has 1 MA's), (35, 46688), (41, 46742), (52, 46820), (59, 46895), (67, 46985), (68, 46994), (84, 47147), (100, 47222), (110, 47291), (157, 47630), (165, 47666), (169, 47684),

Gene: Marianna39_137 Start: 72495, Stop: 73739, Start Num: 10
Candidate Starts for Marianna39_137:
(Start: 10 @72495 has 49 MA's), (16, 72534), (Start: 17 @72543 has 9 MA's), (35, 72669), (41, 72723), (64, 72936), (67, 72966), (70, 72987), (73, 73035), (75, 73068), (83, 73122), (84, 73128), (106, 73251), (110, 73272), (112, 73281), (122, 73344), (143, 73470), (144, 73476), (151, 73545), (156, 73596),

(165, 73647), (169, 73665),

Gene: Maya_81 Start: 49394, Stop: 50578, Start Num: 11
Candidate Starts for Maya_81:
(Start: 11 @49394 has 146 MA's), (Start: 17 @49439 has 9 MA's), (21, 49469), (52, 49640), (58, 49712), (62, 49751), (67, 49814), (84, 49976), (92, 50015), (94, 50021), (99, 50048), (110, 50120), (121, 50174), (124, 50198), (125, 50222), (126, 50228), (133, 50252), (138, 50258), (148, 50372), (160, 50471), (162, 50477), (169, 50507), (170, 50516), (182, 50570),

Gene: MediumFry_71 Start: 47706, Stop: 48941, Start Num: 10
Candidate Starts for MediumFry_71:
(Start: 10 @47706 has 49 MA's), (Start: 17 @47754 has 9 MA's), (59, 48087), (64, 48147), (65, 48150), (67, 48177), (78, 48303), (84, 48339), (85, 48345), (93, 48381), (110, 48483), (148, 48744), (153, 48789), (154, 48792), (165, 48861),

Gene: Meibysrarus_79 Start: 48778, Stop: 49962, Start Num: 11
Candidate Starts for Meibysrarus_79:
(Start: 11 @48778 has 146 MA's), (Start: 17 @48823 has 9 MA's), (21, 48853), (52, 49024), (58, 49096), (62, 49135), (67, 49198), (84, 49360), (92, 49399), (94, 49405), (99, 49432), (110, 49504), (121, 49558), (124, 49582), (125, 49606), (126, 49612), (133, 49636), (138, 49642), (148, 49756), (160, 49855), (162, 49861), (169, 49891), (170, 49900), (182, 49954),

Gene: Mema_60 Start: 45608, Stop: 46804, Start Num: 17
Candidate Starts for Mema_60:
(Start: 11 @45563 has 146 MA's), (Start: 17 @45608 has 9 MA's), (21, 45638), (24, 45680), (31, 45710), (32, 45716), (35, 45731), (36, 45743), (38, 45752), (46, 45818), (48, 45845), (50, 45851), (64, 45992), (65, 45995), (67, 46022), (73, 46091), (75, 46124), (82, 46175), (84, 46184), (106, 46307), (109, 46325), (118, 46373), (124, 46406), (130, 46460), (160, 46685), (171, 46733),

Gene: Michelle_74 Start: 46144, Stop: 47382, Start Num: 11
Candidate Starts for Michelle_74:
(Start: 11 @46144 has 146 MA's), (35, 46315), (52, 46447), (64, 46582), (67, 46612), (72, 46669), (84, 46774), (85, 46780), (92, 46813), (110, 46918), (141, 47107), (169, 47320), (175, 47365),

Gene: Miek_83 Start: 49805, Stop: 50995, Start Num: 11
Candidate Starts for Miek_83:
(Start: 11 @49805 has 146 MA's), (23, 49910), (41, 49979), (59, 50132), (60, 50150), (69, 50237), (73, 50291), (84, 50384), (89, 50411), (112, 50537), (122, 50600), (125, 50630), (128, 50648), (151, 50795), (158, 50864), (160, 50879), (164, 50894), (168, 50912), (169, 50915), (170, 50924),

Gene: MiniBagel_73 Start: 48476, Stop: 49726, Start Num: 10
Candidate Starts for MiniBagel_73:
(9, 48470), (Start: 10 @48476 has 49 MA's), (13, 48485), (16, 48515), (Start: 17 @48524 has 9 MA's), (25, 48602), (35, 48650), (Start: 37 @48668 has 1 MA's), (52, 48782), (58, 48854), (64, 48917), (67, 48947), (73, 49016), (84, 49109), (85, 49115), (93, 49151), (110, 49253), (139, 49430), (148, 49511), (152, 49544), (153, 49556), (154, 49559), (165, 49628), (169, 49646),

Gene: Monse_53 Start: 37349, Stop: 38521, Start Num: 12
Candidate Starts for Monse_53:
(Start: 12 @37349 has 15 MA's), (16, 37382), (Start: 17 @37391 has 9 MA's), (22, 37448), (43, 37541), (59, 37670), (63, 37727), (67, 37760), (68, 37769), (73, 37829), (83, 37916), (84, 37922), (87, 37943), (94, 37967), (103, 38024), (106, 38045), (110, 38066), (115, 38099), (117, 38108), (145, 38267), (160, 38417), (162, 38423), (168, 38450), (169, 38453),

Gene: Mooshroom_81 Start: 46338, Stop: 47648, Start Num: 11
Candidate Starts for Mooshroom_81:
(Start: 11 @46338 has 146 MA's), (64, 46776), (65, 46779), (67, 46806), (76, 46920), (84, 46968), (90, 46998), (100, 47043), (101, 47046), (107, 47100), (108, 47106), (109, 47109), (110, 47112), (113, 47124), (122, 47184), (124, 47190), (143, 47310), (162, 47475), (174, 47547), (185, 47583),

Gene: Moozy_53 Start: 37368, Stop: 38540, Start Num: 12
Candidate Starts for Moozy_53:
(Start: 12 @37368 has 15 MA's), (16, 37401), (Start: 17 @37410 has 9 MA's), (22, 37467), (43, 37560), (46, 37572), (59, 37689), (67, 37779), (72, 37836), (73, 37848), (83, 37935), (84, 37941), (87, 37962), (94, 37986), (96, 38001), (105, 38055), (106, 38064), (110, 38085), (111, 38088), (117, 38127), (145, 38286), (151, 38352), (152, 38370), (160, 38436), (162, 38442), (166, 38457),

Gene: Mossy_85 Start: 55062, Stop: 56279, Start Num: 11
Candidate Starts for Mossy_85:
(Start: 11 @55062 has 146 MA's), (13, 55068), (18, 55122), (21, 55137), (22, 55164), (26, 55188), (36, 55230), (41, 55272), (58, 55422), (59, 55425), (64, 55485), (71, 55551), (75, 55617), (77, 55635), (82, 55668), (83, 55671), (84, 55677), (92, 55716), (93, 55719), (95, 55734), (97, 55740), (98, 55743), (99, 55749), (101, 55755), (102, 55776), (105, 55791), (106, 55800), (110, 55821), (112, 55830), (121, 55875), (122, 55893), (124, 55899), (127, 55932), (146, 56040), (147, 56067), (148, 56082), (156, 56148), (159, 56169), (160, 56181), (170, 56226),

Gene: MrAaronian_74 Start: 46144, Stop: 47382, Start Num: 11
Candidate Starts for MrAaronian_74:
(Start: 11 @46144 has 146 MA's), (35, 46315), (52, 46447), (64, 46582), (67, 46612), (72, 46669), (84, 46774), (85, 46780), (92, 46813), (110, 46918), (141, 47107), (169, 47320), (175, 47365),

Gene: Mudcat_75 Start: 47471, Stop: 48781, Start Num: 11
Candidate Starts for Mudcat_75:
(Start: 11 @47471 has 146 MA's), (52, 47774), (64, 47909), (67, 47939), (73, 48008), (76, 48053), (82, 48092), (84, 48101), (90, 48131), (100, 48176), (101, 48179), (107, 48233), (108, 48239), (109, 48242), (110, 48245), (113, 48257), (122, 48317), (125, 48347), (159, 48590), (162, 48608), (174, 48680), (185, 48716),

Gene: Muglass_77 Start: 46989, Stop: 48236, Start Num: 10
Candidate Starts for Muglass_77:
(Start: 10 @46989 has 49 MA's), (21, 47067), (35, 47163), (41, 47217), (52, 47295), (67, 47460), (68, 47469), (84, 47622), (110, 47766), (165, 48141), (169, 48159),

Gene: Mysticmoon_84 Start: 54156, Stop: 55373, Start Num: 11
Candidate Starts for Mysticmoon_84:
(Start: 11 @54156 has 146 MA's), (18, 54216), (21, 54231), (22, 54258), (26, 54282), (36, 54324), (44, 54393), (52, 54444), (56, 54495), (58, 54516), (60, 54537), (64, 54579), (76, 54723), (82, 54762), (84, 54771), (93, 54813), (95, 54828), (97, 54834), (98, 54837), (99, 54843), (101, 54849), (102, 54870), (106, 54894), (107, 54903), (110, 54915), (112, 54924), (120, 54966), (121, 54969), (122, 54987), (124, 54993), (127, 55026), (144, 55122), (146, 55134), (147, 55161), (148, 55176), (159, 55263), (160, 55275), (170, 55320),

Gene: Nadmeg_85 Start: 54988, Stop: 56202, Start Num: 11
Candidate Starts for Nadmeg_85:
(Start: 11 @54988 has 146 MA's), (13, 54994), (18, 55048), (19, 55051), (21, 55063), (25, 55111), (26, 55114), (36, 55156), (41, 55198), (44, 55225), (46, 55231), (50, 55270), (58, 55348), (59, 55351), (64,

55411), (74, 55513), (75, 55543), (79, 55570), (82, 55594), (83, 55597), (84, 55603), (90, 55633), (92, 55642), (93, 55645), (98, 55669), (99, 55675), (101, 55681), (104, 55708), (105, 55717), (107, 55735), (109, 55744), (110, 55747), (112, 55756), (121, 55801), (124, 55825), (125, 55849), (138, 55894), (143, 55948), (144, 55954), (146, 55966), (156, 56074), (165, 56125), (170, 56152), (174, 56185),

Gene: Namo_83 Start: 49849, Stop: 51033, Start Num: 11
Candidate Starts for Namo_83:
(Start: 11 @49849 has 146 MA's), (Start: 17 @49894 has 9 MA's), (21, 49924), (52, 50095), (58, 50167), (62, 50206), (67, 50269), (84, 50431), (92, 50470), (94, 50476), (99, 50503), (110, 50575), (121, 50629), (124, 50653), (125, 50677), (126, 50683), (133, 50707), (138, 50713), (148, 50827), (160, 50926), (162, 50932), (169, 50962), (170, 50971), (182, 51025),

Gene: NapoleonB_81 Start: 46764, Stop: 48074, Start Num: 11
Candidate Starts for NapoleonB_81:
(Start: 11 @46764 has 146 MA's), (22, 46866), (64, 47202), (67, 47232), (73, 47301), (76, 47346), (82, 47385), (84, 47394), (90, 47424), (100, 47469), (101, 47472), (107, 47526), (108, 47532), (109, 47535), (110, 47538), (118, 47583), (122, 47610), (125, 47640), (143, 47736), (162, 47901), (174, 47973), (185, 48009),

Gene: Nason_79 Start: 46777, Stop: 48087, Start Num: 11
Candidate Starts for Nason_79:
(Start: 11 @46777 has 146 MA's), (64, 47215), (67, 47245), (73, 47314), (76, 47359), (82, 47398), (84, 47407), (90, 47437), (100, 47482), (101, 47485), (105, 47521), (107, 47539), (108, 47545), (109, 47548), (110, 47551), (113, 47563), (122, 47623), (125, 47653), (159, 47896), (162, 47914), (174, 47986), (185, 48022),

Gene: Natasha_77 Start: 46377, Stop: 47627, Start Num: 11
Candidate Starts for Natasha_77:
(Start: 11 @46377 has 146 MA's), (35, 46548), (52, 46680), (55, 46716), (59, 46755), (64, 46815), (67, 46845), (84, 47007), (92, 47046), (110, 47151), (145, 47358), (165, 47526), (169, 47544),

Gene: Natsu_52 Start: 36902, Stop: 38083, Start Num: 12
Candidate Starts for Natsu_52:
(Start: 12 @36902 has 15 MA's), (21, 36974), (24, 37013), (Start: 37 @37037 has 1 MA's), (47, 37130), (52, 37151), (64, 37286), (67, 37316), (73, 37385), (79, 37445), (84, 37478), (110, 37622), (121, 37676), (124, 37700), (128, 37742), (133, 37754), (138, 37760), (148, 37874), (162, 37979), (167, 38003), (170, 38018),

Gene: Navi1117_80 Start: 47393, Stop: 48640, Start Num: 10
Candidate Starts for Navi1117_80:
(Start: 10 @47393 has 49 MA's), (Start: 33 @47555 has 1 MA's), (35, 47567), (41, 47621), (52, 47699), (59, 47774), (67, 47864), (68, 47873), (75, 47966), (84, 48026), (100, 48101), (110, 48170), (165, 48545), (169, 48563),

Gene: Nightmare_73 Start: 48810, Stop: 50060, Start Num: 10
Candidate Starts for Nightmare_73:
(Start: 10 @48810 has 49 MA's), (13, 48819), (Start: 17 @48858 has 9 MA's), (25, 48936), (35, 48984), (Start: 37 @49002 has 1 MA's), (52, 49116), (58, 49188), (64, 49251), (67, 49281), (73, 49350), (84, 49443), (85, 49449), (93, 49485), (110, 49587), (139, 49764), (142, 49770), (148, 49845), (153, 49890), (154, 49893), (165, 49962),

Gene: Niktson_72 Start: 48385, Stop: 49617, Start Num: 10
Candidate Starts for Niktson_72:

(9, 48379), (Start: 10 @48385 has 49 MA's), (13, 48394), (16, 48424), (Start: 17 @48433 has 9 MA's), (25, 48511), (35, 48559), (52, 48691), (58, 48763), (64, 48826), (67, 48856), (73, 48925), (84, 49018), (85, 49024), (93, 49060), (110, 49162), (145, 49369), (148, 49420), (151, 49435), (152, 49453), (153, 49465), (154, 49468), (165, 49537), (169, 49555),

Gene: Nithya_86 Start: 54931, Stop: 56145, Start Num: 11
Candidate Starts for Nithya_86:
(Start: 11 @54931 has 146 MA's), (13, 54937), (18, 54991), (19, 54994), (21, 55006), (22, 55033), (23, 55036), (26, 55057), (36, 55099), (41, 55141), (46, 55174), (50, 55213), (58, 55291), (59, 55294), (64, 55354), (74, 55456), (82, 55537), (84, 55546), (92, 55585), (98, 55612), (101, 55624), (104, 55651), (105, 55660), (107, 55678), (109, 55687), (110, 55690), (112, 55699), (121, 55744), (124, 55768), (125, 55792), (130, 55822), (138, 55837), (146, 55909), (156, 56017), (165, 56068), (170, 56095), (174, 56128),

Gene: Nivinsha_74 Start: 47947, Stop: 49179, Start Num: 10
Candidate Starts for Nivinsha_74:
(Start: 10 @47947 has 49 MA's), (13, 47956), (Start: 17 @47995 has 9 MA's), (35, 48121), (52, 48253), (58, 48325), (64, 48388), (67, 48418), (73, 48487), (84, 48580), (85, 48586), (93, 48622), (110, 48724), (145, 48931), (148, 48982), (151, 48997), (153, 49027), (154, 49030), (165, 49099), (169, 49117),

Gene: NoPickles_88 Start: 53473, Stop: 54693, Start Num: 11
Candidate Starts for NoPickles_88:
(Start: 11 @53473 has 146 MA's), (18, 53533), (19, 53536), (22, 53575), (26, 53599), (36, 53641), (41, 53683), (46, 53716), (50, 53755), (52, 53761), (56, 53812), (58, 53833), (64, 53896), (74, 53998), (75, 54028), (77, 54046), (82, 54079), (84, 54088), (98, 54154), (100, 54163), (101, 54166), (105, 54202), (106, 54211), (107, 54220), (110, 54232), (120, 54283), (121, 54286), (125, 54337), (127, 54346), (139, 54415), (146, 54454), (156, 54562), (160, 54595), (165, 54613), (170, 54640),

Gene: Odesza_86 Start: 53513, Stop: 54733, Start Num: 11
Candidate Starts for Odesza_86:
(Start: 11 @53513 has 146 MA's), (18, 53573), (19, 53576), (22, 53615), (26, 53639), (36, 53681), (41, 53723), (46, 53756), (50, 53795), (52, 53801), (56, 53852), (58, 53873), (64, 53936), (74, 54038), (75, 54068), (77, 54086), (82, 54119), (84, 54128), (98, 54194), (100, 54203), (101, 54206), (105, 54242), (106, 54251), (107, 54260), (110, 54272), (120, 54323), (121, 54326), (125, 54377), (127, 54386), (139, 54455), (146, 54494), (156, 54602), (160, 54635), (165, 54653), (170, 54680),

Gene: OhMyWard_81 Start: 54856, Stop: 56073, Start Num: 11
Candidate Starts for OhMyWard_81:
(Start: 11 @54856 has 146 MA's), (18, 54916), (21, 54931), (22, 54958), (26, 54982), (36, 55024), (41, 55066), (44, 55093), (58, 55216), (59, 55219), (64, 55279), (71, 55345), (75, 55411), (82, 55462), (83, 55465), (84, 55471), (92, 55510), (95, 55528), (97, 55534), (98, 55537), (101, 55549), (102, 55570), (105, 55585), (106, 55594), (107, 55603), (110, 55615), (112, 55624), (121, 55669), (122, 55687), (124, 55693), (127, 55726), (146, 55834), (147, 55861), (148, 55876), (159, 55963), (160, 55975), (170, 56020),

Gene: OlgasClover_88 Start: 55765, Stop: 56979, Start Num: 11
Candidate Starts for OlgasClover_88:
(Start: 11 @55765 has 146 MA's), (13, 55771), (18, 55825), (19, 55828), (21, 55840), (22, 55867), (23, 55870), (26, 55891), (36, 55933), (41, 55975), (46, 56008), (50, 56047), (58, 56125), (59, 56128), (64, 56188), (74, 56290), (75, 56320), (79, 56347), (82, 56371), (84, 56380), (92, 56419), (93, 56422), (98, 56446), (101, 56458), (104, 56485), (105, 56494), (107, 56512), (109, 56521), (110, 56524), (112, 56533), (120, 56575), (124, 56602), (125, 56626), (130, 56656), (146, 56743), (156, 56851), (165, 56902), (170, 56929), (174, 56962),

Gene: OlympicHelado_83 Start: 49870, Stop: 51054, Start Num: 11
Candidate Starts for OlympicHelado_83:
(Start: 11 @49870 has 146 MA's), (Start: 17 @49915 has 9 MA's), (21, 49945), (52, 50116), (58, 50188), (62, 50227), (67, 50290), (84, 50452), (92, 50491), (94, 50497), (99, 50524), (110, 50596), (121, 50650), (124, 50674), (125, 50698), (126, 50704), (133, 50728), (138, 50734), (148, 50848), (160, 50947), (162, 50953), (169, 50983), (170, 50992), (182, 51046),

Gene: Onestar_73 Start: 46327, Stop: 47556, Start Num: 11
Candidate Starts for Onestar_73:
(Start: 11 @46327 has 146 MA's), (35, 46498), (52, 46630), (58, 46702), (64, 46765), (67, 46795), (79, 46924), (82, 46948), (84, 46957), (92, 46996), (110, 47101), (159, 47446), (169, 47494),

Gene: Paella_140 Start: 73635, Stop: 74879, Start Num: 10
Candidate Starts for Paella_140:
(Start: 10 @73635 has 49 MA's), (16, 73674), (Start: 17 @73683 has 9 MA's), (35, 73809), (41, 73863), (64, 74076), (67, 74106), (73, 74175), (84, 74268), (106, 74391), (110, 74412), (122, 74484), (128, 74532), (131, 74550), (144, 74616), (151, 74685), (156, 74736), (165, 74787), (169, 74805),

Gene: Pepy6_052 Start: 70167, Stop: 71795, Start Num: 1
Candidate Starts for Pepy6_052:
(Start: 1 @70167 has 1 MA's), (2, 70239), (3, 70263), (5, 70368), (6, 70479), (Start: 10 @70575 has 49 MA's), (13, 70584), (26, 70704), (29, 70716), (58, 70938), (59, 70941), (62, 70977), (64, 71001), (71, 71067), (75, 71133), (76, 71145), (84, 71193), (92, 71232), (98, 71259), (107, 71325), (110, 71337), (112, 71346), (117, 71379), (124, 71418), (125, 71442), (130, 71472), (134, 71481), (145, 71550), (146, 71559), (161, 71703), (174, 71778),

Gene: Perkunas_88 Start: 53425, Stop: 54645, Start Num: 11
Candidate Starts for Perkunas_88:
(Start: 11 @53425 has 146 MA's), (18, 53485), (19, 53488), (22, 53527), (26, 53551), (36, 53593), (41, 53635), (46, 53668), (50, 53707), (52, 53713), (56, 53764), (58, 53785), (59, 53788), (64, 53848), (71, 53914), (74, 53950), (75, 53980), (77, 53998), (82, 54031), (83, 54034), (84, 54040), (98, 54106), (100, 54115), (101, 54118), (105, 54154), (106, 54163), (107, 54172), (110, 54184), (127, 54298), (139, 54367), (146, 54406), (147, 54433), (160, 54547), (165, 54565),

Gene: PerroGrande22_111 Start: 72823, Stop: 74448, Start Num: 1
Candidate Starts for PerroGrande22_111:
(Start: 1 @72823 has 1 MA's), (2, 72895), (3, 72919), (4, 72931), (5, 73024), (Start: 10 @73228 has 49 MA's), (Start: 17 @73276 has 9 MA's), (26, 73357), (41, 73441), (45, 73471), (58, 73591), (62, 73630), (64, 73654), (71, 73720), (75, 73786), (76, 73798), (83, 73840), (84, 73846), (92, 73885), (98, 73912), (101, 73924), (107, 73978), (110, 73990), (112, 73999), (117, 74032), (124, 74071), (125, 74095), (130, 74125), (134, 74134), (139, 74173), (145, 74203), (146, 74212), (174, 74431),

Gene: PestoPenguin_87 Start: 54312, Stop: 55526, Start Num: 11
Candidate Starts for PestoPenguin_87:
(Start: 11 @54312 has 146 MA's), (13, 54318), (18, 54372), (19, 54375), (21, 54387), (25, 54435), (26, 54438), (36, 54480), (41, 54522), (46, 54555), (50, 54594), (58, 54672), (59, 54675), (64, 54735), (81, 54915), (82, 54918), (83, 54921), (84, 54927), (92, 54966), (98, 54993), (101, 55005), (104, 55032), (105, 55041), (107, 55059), (109, 55068), (110, 55071), (112, 55080), (121, 55125), (124, 55149), (125, 55173), (143, 55272), (144, 55278), (146, 55290), (148, 55332), (156, 55398), (159, 55419), (165, 55449), (174, 55509),

Gene: Petito_87 Start: 54333, Stop: 55553, Start Num: 11

Candidate Starts for Petito_87:
(Start: 11 @54333 has 146 MA's), (18, 54393), (19, 54396), (22, 54435), (26, 54459), (36, 54501), (41, 54543), (46, 54576), (50, 54615), (52, 54621), (58, 54693), (64, 54756), (71, 54822), (74, 54858), (75, 54888), (77, 54906), (84, 54948), (92, 54987), (98, 55014), (100, 55023), (101, 55026), (106, 55071), (107, 55080), (110, 55092), (118, 55137), (120, 55143), (121, 55146), (125, 55197), (127, 55206), (128, 55215), (139, 55275), (146, 55314), (156, 55422), (160, 55455), (165, 55473),

Gene: Phaby_79 Start: 48692, Stop: 49924, Start Num: 10
Candidate Starts for Phaby_79:
(Start: 10 @48692 has 49 MA's), (Start: 12 @48698 has 15 MA's), (14, 48704), (Start: 17 @48737 has 9 MA's), (35, 48863), (52, 48995), (58, 49067), (64, 49130), (67, 49160), (84, 49322), (85, 49328), (93, 49364), (110, 49466), (148, 49727), (152, 49760), (153, 49772), (154, 49775), (165, 49844),

Gene: Phaila_76 Start: 45867, Stop: 47114, Start Num: 10
Candidate Starts for Phaila_76:
(Start: 10 @45867 has 49 MA's), (Start: 33 @46029 has 1 MA's), (35, 46041), (41, 46095), (52, 46173), (59, 46248), (67, 46338), (68, 46347), (75, 46440), (84, 46500), (100, 46575), (110, 46644), (165, 47019), (169, 47037),

Gene: Phepper_87 Start: 54475, Stop: 55689, Start Num: 11
Candidate Starts for Phepper_87:
(Start: 11 @54475 has 146 MA's), (13, 54481), (18, 54535), (19, 54538), (21, 54550), (25, 54598), (26, 54601), (36, 54643), (41, 54685), (44, 54712), (46, 54718), (50, 54757), (58, 54835), (59, 54838), (64, 54898), (74, 55000), (75, 55030), (82, 55081), (83, 55084), (84, 55090), (90, 55120), (92, 55129), (93, 55132), (97, 55153), (98, 55156), (99, 55162), (101, 55168), (104, 55195), (105, 55204), (107, 55222), (109, 55231), (110, 55234), (112, 55243), (121, 55288), (124, 55312), (125, 55336), (130, 55366), (138, 55381), (143, 55435), (146, 55453), (148, 55495), (165, 55612), (170, 55639), (174, 55672),

Gene: Pherobrine_84 Start: 54211, Stop: 55428, Start Num: 11
Candidate Starts for Pherobrine_84:
(Start: 11 @54211 has 146 MA's), (18, 54271), (21, 54286), (26, 54337), (36, 54379), (44, 54448), (52, 54499), (56, 54550), (58, 54571), (64, 54634), (76, 54778), (82, 54817), (84, 54826), (93, 54868), (97, 54889), (98, 54892), (101, 54904), (102, 54925), (106, 54949), (107, 54958), (110, 54970), (112, 54979), (120, 55021), (121, 55024), (122, 55042), (124, 55048), (127, 55081), (144, 55177), (146, 55189), (147, 55216), (159, 55318), (160, 55330), (170, 55375),

Gene: PherryCruz_53 Start: 37551, Stop: 38729, Start Num: 12
Candidate Starts for PherryCruz_53:
(Start: 12 @37551 has 15 MA's), (16, 37584), (Start: 17 @37593 has 9 MA's), (22, 37650), (43, 37743), (59, 37872), (67, 37962), (73, 38031), (83, 38118), (84, 38124), (87, 38145), (94, 38169), (96, 38184), (105, 38238), (106, 38247), (110, 38268), (111, 38271), (112, 38277), (117, 38310), (120, 38319), (145, 38475), (151, 38541), (152, 38559), (160, 38625), (162, 38631), (166, 38646), (176, 38706),

Gene: Pippin15_76 Start: 46461, Stop: 47579, Start Num: 33
Candidate Starts for Pippin15_76:
(Start: 11 @46302 has 146 MA's), (21, 46377), (Start: 33 @46461 has 1 MA's), (52, 46605), (55, 46641), (59, 46680), (64, 46740), (67, 46770), (83, 46926), (84, 46932), (107, 47064), (112, 47085), (118, 47121), (121, 47130), (126, 47184), (133, 47220), (145, 47283), (148, 47334), (151, 47349), (156, 47400), (160, 47433),

Gene: Poco6_051 Start: 71433, Stop: 73058, Start Num: 1
Candidate Starts for Poco6_051:

(Start: 1 @71433 has 1 MA's), (3, 71529), (4, 71541), (5, 71634), (Start: 10 @71838 has 49 MA's), (Start: 17 @71886 has 9 MA's), (26, 71967), (45, 72081), (58, 72201), (62, 72240), (64, 72264), (75, 72396), (76, 72408), (83, 72450), (84, 72456), (92, 72495), (98, 72522), (101, 72534), (107, 72588), (110, 72600), (112, 72609), (117, 72642), (124, 72681), (125, 72705), (130, 72735), (134, 72744), (139, 72783), (145, 72813), (146, 72822), (174, 73041),

Gene: PoeMe_77 Start: 46795, Stop: 48042, Start Num: 10
Candidate Starts for PoeMe_77:
(Start: 10 @46795 has 49 MA's), (Start: 33 @46957 has 1 MA's), (35, 46969), (41, 47023), (52, 47101), (67, 47266), (68, 47275), (75, 47368), (84, 47428), (100, 47503), (110, 47572), (165, 47947), (169, 47965),

Gene: Popy_79 Start: 50151, Stop: 51335, Start Num: 11
Candidate Starts for Popy_79:
(Start: 11 @50151 has 146 MA's), (Start: 17 @50196 has 9 MA's), (19, 50214), (21, 50226), (52, 50397), (67, 50571), (83, 50727), (84, 50733), (92, 50772), (94, 50778), (99, 50805), (110, 50877), (121, 50931), (124, 50955), (125, 50979), (126, 50985), (133, 51009), (138, 51015), (148, 51129), (160, 51228), (162, 51234), (169, 51264), (170, 51273), (179, 51318),

Gene: Powelldog_77 Start: 46779, Stop: 48026, Start Num: 11
Candidate Starts for Powelldog_77:
(Start: 11 @46779 has 146 MA's), (35, 46950), (52, 47082), (55, 47118), (59, 47157), (64, 47217), (67, 47247), (74, 47319), (84, 47409), (92, 47448), (93, 47451), (94, 47454), (110, 47553), (165, 47928), (172, 47961),

Gene: ProfFrink_74 Start: 46122, Stop: 47351, Start Num: 11
Candidate Starts for ProfFrink_74:
(Start: 11 @46122 has 146 MA's), (35, 46293), (52, 46425), (64, 46560), (67, 46590), (72, 46647), (84, 46752), (85, 46758), (92, 46791), (110, 46896), (140, 47076), (169, 47289), (175, 47334),

Gene: Qui_140 Start: 73635, Stop: 74879, Start Num: 10
Candidate Starts for Qui_140:
(Start: 10 @73635 has 49 MA's), (16, 73674), (Start: 17 @73683 has 9 MA's), (35, 73809), (41, 73863), (64, 74076), (67, 74106), (73, 74175), (84, 74268), (106, 74391), (110, 74412), (122, 74484), (128, 74532), (131, 74550), (144, 74616), (151, 74685), (156, 74736), (165, 74787), (169, 74805),

Gene: Rainydai_86 Start: 51423, Stop: 52613, Start Num: 11
Candidate Starts for Rainydai_86:
(Start: 11 @51423 has 146 MA's), (23, 51528), (41, 51597), (59, 51750), (60, 51768), (69, 51855), (73, 51909), (84, 52002), (89, 52029), (112, 52155), (122, 52218), (125, 52248), (128, 52266), (151, 52413), (158, 52482), (160, 52497), (164, 52512), (168, 52530), (169, 52533), (170, 52542),

Gene: Raunak_74 Start: 45832, Stop: 47061, Start Num: 11
Candidate Starts for Raunak_74:
(Start: 11 @45832 has 146 MA's), (35, 46003), (52, 46135), (64, 46270), (67, 46300), (72, 46357), (84, 46462), (85, 46468), (92, 46501), (110, 46606), (140, 46786), (169, 46999), (175, 47044),

Gene: RavenPuff_54 Start: 37520, Stop: 38698, Start Num: 12
Candidate Starts for RavenPuff_54:
(Start: 12 @37520 has 15 MA's), (16, 37553), (Start: 17 @37562 has 9 MA's), (22, 37619), (43, 37712), (59, 37841), (67, 37931), (68, 37940), (72, 37988), (73, 38000), (84, 38093), (87, 38114), (94, 38138), (96, 38153), (105, 38207), (106, 38216), (110, 38237), (111, 38240), (112, 38246), (117, 38279), (138, 38381), (145, 38444), (146, 38453), (151, 38510), (152, 38528), (160, 38594), (166, 38615), (176,

38675),

Gene: Regigigas_89 Start: 51035, Stop: 52225, Start Num: 11
Candidate Starts for Regigigas_89:
(Start: 11 @51035 has 146 MA's), (23, 51140), (41, 51209), (59, 51362), (60, 51380), (69, 51467), (73, 51521), (84, 51614), (89, 51641), (112, 51767), (122, 51830), (125, 51860), (128, 51878), (151, 52025), (158, 52094), (160, 52109), (164, 52124), (168, 52142), (169, 52145), (170, 52154),

Gene: Remlit_84 Start: 46813, Stop: 48060, Start Num: 10
Candidate Starts for Remlit_84:
(Start: 10 @46813 has 49 MA's), (Start: 33 @46975 has 1 MA's), (35, 46987), (41, 47041), (52, 47119), (59, 47194), (67, 47284), (68, 47293), (75, 47386), (84, 47446), (100, 47521), (110, 47590), (165, 47965), (169, 47983),

Gene: Renaldo_84 Start: 47621, Stop: 48868, Start Num: 10
Candidate Starts for Renaldo_84:
(Start: 10 @47621 has 49 MA's), (35, 47795), (41, 47849), (52, 47927), (67, 48092), (68, 48101), (84, 48254), (110, 48398), (165, 48773), (169, 48791),

Gene: Rickmore_86 Start: 54058, Stop: 55281, Start Num: 11
Candidate Starts for Rickmore_86:
(Start: 11 @54058 has 146 MA's), (13, 54064), (18, 54118), (19, 54121), (21, 54133), (22, 54160), (23, 54163), (26, 54184), (36, 54226), (41, 54268), (46, 54301), (52, 54346), (58, 54418), (59, 54421), (64, 54481), (74, 54583), (75, 54613), (82, 54664), (84, 54673), (92, 54712), (93, 54715), (98, 54739), (101, 54751), (104, 54778), (105, 54787), (107, 54805), (109, 54814), (110, 54817), (120, 54868), (125, 54919), (130, 54949), (146, 55036), (156, 55144), (165, 55195), (170, 55222), (174, 55255), (181, 55270),

Gene: Rima_82 Start: 49849, Stop: 51033, Start Num: 11
Candidate Starts for Rima_82:
(Start: 11 @49849 has 146 MA's), (Start: 17 @49894 has 9 MA's), (21, 49924), (52, 50095), (58, 50167), (62, 50206), (67, 50269), (84, 50431), (92, 50470), (94, 50476), (99, 50503), (110, 50575), (121, 50629), (124, 50653), (125, 50677), (126, 50683), (133, 50707), (138, 50713), (148, 50827), (160, 50926), (162, 50932), (169, 50962), (170, 50971), (182, 51025),

Gene: Roney_85 Start: 53676, Stop: 54896, Start Num: 11
Candidate Starts for Roney_85:
(Start: 11 @53676 has 146 MA's), (18, 53736), (19, 53739), (22, 53778), (26, 53802), (36, 53844), (41, 53886), (46, 53919), (50, 53958), (52, 53964), (58, 54036), (64, 54099), (74, 54201), (75, 54231), (77, 54249), (82, 54282), (83, 54285), (84, 54291), (95, 54348), (98, 54357), (100, 54366), (101, 54369), (105, 54405), (106, 54414), (107, 54423), (110, 54435), (120, 54486), (121, 54489), (125, 54540), (127, 54549), (139, 54618), (146, 54657), (156, 54765), (160, 54798), (165, 54816), (170, 54843),

Gene: RosaAsantewaa_50 Start: 36703, Stop: 37884, Start Num: 12
Candidate Starts for RosaAsantewaa_50:
(Start: 12 @36703 has 15 MA's), (21, 36775), (24, 36814), (39, 36844), (41, 36874), (49, 36943), (52, 36952), (64, 37087), (65, 37090), (67, 37117), (70, 37138), (73, 37186), (74, 37189), (76, 37231), (84, 37279), (92, 37318), (100, 37354), (110, 37423), (124, 37501), (128, 37543), (138, 37561), (143, 37615), (162, 37780), (166, 37795), (168, 37807), (170, 37819), (184, 37879),

Gene: Runhaar_84 Start: 54080, Stop: 55294, Start Num: 11
Candidate Starts for Runhaar_84:

(Start: 11 @54080 has 146 MA's), (13, 54086), (18, 54140), (19, 54143), (21, 54155), (26, 54206), (36, 54248), (41, 54290), (44, 54317), (46, 54323), (50, 54362), (52, 54368), (58, 54440), (59, 54443), (64, 54503), (74, 54605), (75, 54635), (79, 54662), (82, 54686), (84, 54695), (90, 54725), (92, 54734), (93, 54737), (98, 54761), (101, 54773), (104, 54800), (105, 54809), (107, 54827), (109, 54836), (110, 54839), (112, 54848), (121, 54893), (124, 54917), (125, 54941), (138, 54986), (143, 55040), (144, 55046), (146, 55058), (156, 55166), (165, 55217), (170, 55244), (174, 55277),

Gene: RustyBoy_78 Start: 46576, Stop: 47826, Start Num: 11
Candidate Starts for RustyBoy_78:
(Start: 11 @46576 has 146 MA's), (35, 46747), (52, 46879), (55, 46915), (59, 46954), (64, 47014), (67, 47044), (84, 47206), (92, 47245), (110, 47350), (131, 47488), (145, 47557), (159, 47695), (165, 47725), (169, 47743),

Gene: Salk_74 Start: 46139, Stop: 47368, Start Num: 11
Candidate Starts for Salk_74:
(Start: 11 @46139 has 146 MA's), (35, 46310), (52, 46442), (64, 46577), (67, 46607), (72, 46664), (84, 46769), (85, 46775), (92, 46808), (110, 46913), (140, 47093), (169, 47306), (175, 47351),

Gene: Sangak_53 Start: 37060, Stop: 38238, Start Num: 12
Candidate Starts for Sangak_53:
(Start: 12 @37060 has 15 MA's), (16, 37093), (Start: 17 @37102 has 9 MA's), (22, 37159), (39, 37201), (43, 37252), (59, 37381), (67, 37471), (68, 37480), (72, 37528), (73, 37540), (84, 37633), (87, 37654), (94, 37678), (96, 37693), (105, 37747), (106, 37756), (110, 37777), (111, 37780), (112, 37786), (117, 37819), (138, 37921), (145, 37984), (146, 37993), (151, 38050), (152, 38068), (160, 38134), (166, 38155), (176, 38215),

Gene: Scap1_51 Start: 36879, Stop: 38060, Start Num: 12
Candidate Starts for Scap1_51:
(Start: 12 @36879 has 15 MA's), (16, 36912), (Start: 17 @36921 has 9 MA's), (22, 36978), (43, 37071), (59, 37200), (67, 37290), (68, 37299), (72, 37347), (73, 37359), (84, 37452), (86, 37461), (88, 37476), (94, 37497), (110, 37596), (117, 37638), (145, 37806), (146, 37815), (152, 37890), (160, 37956), (162, 37962), (166, 37977), (168, 37989), (169, 37992),

Gene: Schwartz33_83 Start: 53395, Stop: 54612, Start Num: 11
Candidate Starts for Schwartz33_83:
(Start: 11 @53395 has 146 MA's), (19, 53458), (21, 53470), (23, 53500), (25, 53518), (26, 53521), (36, 53563), (46, 53638), (50, 53677), (58, 53755), (59, 53758), (64, 53818), (71, 53884), (75, 53950), (77, 53968), (83, 54004), (84, 54010), (86, 54019), (92, 54049), (95, 54067), (97, 54073), (98, 54076), (101, 54088), (106, 54133), (107, 54142), (109, 54151), (110, 54154), (112, 54163), (117, 54196), (120, 54205), (121, 54208), (124, 54232), (125, 54256), (138, 54301), (146, 54373), (147, 54400), (156, 54481), (159, 54502), (160, 54514), (170, 54559),

Gene: ScienceWizSam_73 Start: 48083, Stop: 49315, Start Num: 10
Candidate Starts for ScienceWizSam_73:
(Start: 10 @48083 has 49 MA's), (13, 48092), (Start: 17 @48131 has 9 MA's), (35, 48257), (52, 48389), (58, 48461), (64, 48524), (67, 48554), (73, 48623), (84, 48716), (85, 48722), (93, 48758), (110, 48860), (145, 49067), (148, 49118), (152, 49151), (153, 49163), (154, 49166), (165, 49235), (169, 49253),

Gene: Secretariat_79 Start: 51679, Stop: 52899, Start Num: 11
Candidate Starts for Secretariat_79:
(Start: 11 @51679 has 146 MA's), (13, 51685), (20, 51745), (21, 51754), (22, 51781), (23, 51784), (25, 51802), (26, 51805), (36, 51847), (46, 51922), (50, 51961), (56, 52018), (58, 52039), (59, 52042), (64, 52102), (75, 52234), (82, 52285), (83, 52288), (84, 52294), (86, 52303), (97, 52357), (98, 52360), (100,

52369), (101, 52372), (106, 52417), (107, 52426), (109, 52435), (110, 52438), (112, 52447), (122, 52513), (124, 52519), (125, 52543), (138, 52588), (139, 52621), (144, 52648), (145, 52651), (146, 52660), (147, 52687), (159, 52789), (160, 52801), (170, 52846), (177, 52885),

Gene: SendItCS_81 Start: 49793, Stop: 50983, Start Num: 11
Candidate Starts for SendItCS_81:
(Start: 11 @49793 has 146 MA's), (23, 49898), (41, 49967), (59, 50120), (60, 50138), (69, 50225), (73, 50279), (84, 50372), (89, 50399), (112, 50525), (122, 50588), (125, 50618), (128, 50636), (151, 50783), (158, 50852), (160, 50867), (164, 50882), (168, 50900), (169, 50903), (170, 50912),

Gene: Serenabean_73 Start: 45996, Stop: 47252, Start Num: 11
Candidate Starts for Serenabean_73:
(Start: 11 @45996 has 146 MA's), (18, 46056), (19, 46059), (21, 46071), (22, 46098), (29, 46134), (59, 46371), (65, 46434), (67, 46461), (76, 46575), (78, 46587), (83, 46617), (84, 46623), (100, 46698), (107, 46755), (113, 46779), (118, 46812), (121, 46821), (126, 46875), (148, 47025), (149, 47028), (151, 47040), (156, 47091),

Gene: ShaggyRogers_85 Start: 54047, Stop: 55261, Start Num: 11
Candidate Starts for ShaggyRogers_85:
(Start: 11 @54047 has 146 MA's), (13, 54053), (18, 54107), (19, 54110), (21, 54122), (25, 54170), (26, 54173), (36, 54215), (41, 54257), (46, 54290), (50, 54329), (58, 54407), (64, 54470), (75, 54602), (82, 54653), (84, 54662), (92, 54701), (98, 54728), (101, 54740), (104, 54767), (105, 54776), (107, 54794), (109, 54803), (110, 54806), (112, 54815), (121, 54860), (124, 54884), (125, 54908), (143, 55007), (144, 55013), (146, 55025), (161, 55169), (165, 55184), (174, 55244),

Gene: SheRa_54 Start: 37437, Stop: 38609, Start Num: 12
Candidate Starts for SheRa_54:
(Start: 12 @37437 has 15 MA's), (16, 37470), (Start: 17 @37479 has 9 MA's), (22, 37536), (43, 37629), (46, 37641), (59, 37758), (67, 37848), (72, 37905), (73, 37917), (83, 38004), (84, 38010), (87, 38031), (94, 38055), (96, 38070), (105, 38124), (106, 38133), (110, 38154), (111, 38157), (117, 38196), (145, 38355), (151, 38421), (152, 38439), (160, 38505), (162, 38511), (166, 38526),

Gene: Shepard_78 Start: 48110, Stop: 49297, Start Num: 17
Candidate Starts for Shepard_78:
(Start: 10 @48065 has 49 MA's), (Start: 12 @48071 has 15 MA's), (14, 48077), (Start: 17 @48110 has 9 MA's), (35, 48236), (52, 48368), (58, 48440), (64, 48503), (67, 48533), (84, 48695), (85, 48701), (93, 48737), (100, 48770), (110, 48839), (148, 49100), (152, 49133), (153, 49145), (165, 49217),

Gene: Shiba_73 Start: 45848, Stop: 47077, Start Num: 11
Candidate Starts for Shiba_73:
(Start: 11 @45848 has 146 MA's), (35, 46019), (52, 46151), (64, 46286), (67, 46316), (72, 46373), (84, 46478), (85, 46484), (92, 46517), (110, 46622), (140, 46802), (169, 47015), (175, 47060),

Gene: Sloopyjoe_74 Start: 46146, Stop: 47384, Start Num: 11
Candidate Starts for Sloopyjoe_74:
(Start: 11 @46146 has 146 MA's), (35, 46317), (52, 46449), (64, 46584), (67, 46614), (72, 46671), (84, 46776), (85, 46782), (92, 46815), (110, 46920), (141, 47109), (169, 47322), (175, 47367),

Gene: Soshi_80 Start: 49992, Stop: 51176, Start Num: 11
Candidate Starts for Soshi_80:
(Start: 11 @49992 has 146 MA's), (Start: 17 @50037 has 9 MA's), (21, 50067), (52, 50238), (67, 50412), (84, 50574), (92, 50613), (94, 50619), (99, 50646), (110, 50718), (121, 50772), (124, 50796), (125, 50820), (126, 50826), (133, 50850), (138, 50856), (148, 50970), (160, 51069), (162, 51075),

(169, 51105), (170, 51114), (179, 51159),

Gene: Spain_74 Start: 46315, Stop: 47382, Start Num: 35
Candidate Starts for Spain_74:
(Start: 11 @46144 has 146 MA's), (35, 46315), (52, 46447), (64, 46582), (67, 46612), (72, 46669), (84, 46774), (85, 46780), (92, 46813), (110, 46918), (141, 47107), (169, 47320), (175, 47365),

Gene: Spectropatronm_80 Start: 49387, Stop: 50571, Start Num: 11
Candidate Starts for Spectropatronm_80:
(Start: 11 @49387 has 146 MA's), (Start: 17 @49432 has 9 MA's), (21, 49462), (52, 49633), (58, 49705), (62, 49744), (67, 49807), (84, 49969), (92, 50008), (94, 50014), (99, 50041), (110, 50113), (121, 50167), (124, 50191), (125, 50215), (126, 50221), (133, 50245), (138, 50251), (148, 50365), (160, 50464), (162, 50470), (169, 50500), (170, 50509), (182, 50563),

Gene: Sporto_73 Start: 47177, Stop: 48406, Start Num: 11
Candidate Starts for Sporto_73:
(Start: 11 @47177 has 146 MA's), (35, 47348), (52, 47480), (55, 47516), (59, 47555), (64, 47615), (67, 47645), (83, 47801), (84, 47807), (92, 47846), (110, 47951), (160, 48308),

Gene: Sprinkle_75 Start: 46725, Stop: 47957, Start Num: 11
Candidate Starts for Sprinkle_75:
(Start: 11 @46725 has 146 MA's), (35, 46896), (55, 47064), (59, 47103), (64, 47163), (67, 47193), (84, 47355), (91, 47388), (93, 47397), (94, 47400), (110, 47499),

Gene: StarLord_74 Start: 46139, Stop: 47377, Start Num: 11
Candidate Starts for StarLord_74:
(Start: 11 @46139 has 146 MA's), (35, 46310), (52, 46442), (64, 46577), (67, 46607), (72, 46664), (84, 46769), (85, 46775), (92, 46808), (110, 46913), (141, 47102), (169, 47315), (175, 47360),

Gene: Stardom_79 Start: 45979, Stop: 47289, Start Num: 11
Candidate Starts for Stardom_79:
(Start: 11 @45979 has 146 MA's), (52, 46282), (64, 46417), (67, 46447), (76, 46561), (84, 46609), (90, 46639), (94, 46654), (100, 46684), (101, 46687), (107, 46741), (108, 46747), (109, 46750), (110, 46753), (113, 46765), (122, 46825), (125, 46855), (159, 47098), (162, 47116), (174, 47188), (185, 47224),

Gene: Stardrop_76 Start: 46799, Stop: 48046, Start Num: 10
Candidate Starts for Stardrop_76:
(Start: 10 @46799 has 49 MA's), (Start: 33 @46961 has 1 MA's), (35, 46973), (41, 47027), (52, 47105), (67, 47270), (68, 47279), (75, 47372), (84, 47432), (100, 47507), (110, 47576), (165, 47951), (169, 47969),

Gene: Stayer_74 Start: 46142, Stop: 47380, Start Num: 11
Candidate Starts for Stayer_74:
(Start: 11 @46142 has 146 MA's), (35, 46313), (52, 46445), (64, 46580), (67, 46610), (72, 46667), (84, 46772), (85, 46778), (92, 46811), (110, 46916), (141, 47105), (169, 47318), (175, 47363),

Gene: Sunny4976_72 Start: 48298, Stop: 49527, Start Num: 10
Candidate Starts for Sunny4976_72:
(Start: 10 @48298 has 49 MA's), (Start: 17 @48346 has 9 MA's), (35, 48472), (52, 48604), (59, 48679), (64, 48739), (67, 48769), (69, 48784), (70, 48790), (73, 48838), (80, 48901), (84, 48931), (148, 49333), (151, 49348), (174, 49510), (175, 49513),

Gene: SweetCrkHerbs_89 Start: 53438, Stop: 54658, Start Num: 11
Candidate Starts for SweetCrkHerbs_89:
(Start: 11 @53438 has 146 MA's), (18, 53498), (19, 53501), (22, 53540), (26, 53564), (36, 53606), (41, 53648), (46, 53681), (50, 53720), (52, 53726), (56, 53777), (58, 53798), (59, 53801), (64, 53861), (71, 53927), (74, 53963), (75, 53993), (77, 54011), (82, 54044), (83, 54047), (84, 54053), (98, 54119), (100, 54128), (101, 54131), (105, 54167), (106, 54176), (107, 54185), (110, 54197), (127, 54311), (139, 54380), (146, 54419), (147, 54446), (160, 54560), (165, 54578),

Gene: Sweetclover_73 Start: 45492, Stop: 46559, Start Num: 37
Candidate Starts for Sweetclover_73:
(Start: 11 @45303 has 146 MA's), (21, 45378), (22, 45405), (Start: 37 @45492 has 1 MA's), (41, 45528), (51, 45600), (67, 45768), (72, 45825), (73, 45837), (76, 45882), (84, 45930), (92, 45969), (94, 45975), (100, 46005), (107, 46062), (118, 46119), (121, 46128), (122, 46146), (126, 46182), (148, 46332), (149, 46335), (151, 46347), (156, 46398),

Gene: Synepsis_67 Start: 47848, Stop: 49098, Start Num: 10
Candidate Starts for Synepsis_67:
(Start: 10 @47848 has 49 MA's), (13, 47857), (Start: 17 @47896 has 9 MA's), (25, 47974), (35, 48022), (Start: 37 @48040 has 1 MA's), (52, 48154), (58, 48226), (64, 48289), (67, 48319), (73, 48388), (84, 48481), (85, 48487), (93, 48523), (110, 48625), (148, 48883), (151, 48898), (152, 48916), (153, 48928), (154, 48931), (165, 49000),

Gene: TaidaOne_81 Start: 49864, Stop: 51048, Start Num: 11
Candidate Starts for TaidaOne_81:
(Start: 11 @49864 has 146 MA's), (Start: 17 @49909 has 9 MA's), (21, 49939), (52, 50110), (58, 50182), (67, 50284), (83, 50440), (84, 50446), (92, 50485), (94, 50491), (99, 50518), (110, 50590), (121, 50644), (124, 50668), (125, 50692), (126, 50698), (133, 50722), (138, 50728), (148, 50842), (160, 50941), (162, 50947), (169, 50977), (170, 50986), (179, 51031),

Gene: Tairn4Wing_90 Start: 53459, Stop: 54679, Start Num: 11
Candidate Starts for Tairn4Wing_90:
(Start: 11 @53459 has 146 MA's), (18, 53519), (19, 53522), (22, 53561), (26, 53585), (36, 53627), (41, 53669), (44, 53696), (46, 53702), (50, 53741), (58, 53819), (64, 53882), (74, 53984), (75, 54014), (77, 54032), (82, 54065), (83, 54068), (84, 54074), (98, 54140), (100, 54149), (101, 54152), (105, 54188), (106, 54197), (107, 54206), (110, 54218), (120, 54269), (121, 54272), (125, 54323), (127, 54332), (139, 54401), (146, 54440), (156, 54548), (160, 54581), (165, 54599), (168, 54614),

Gene: Talon44_89 Start: 54035, Stop: 55255, Start Num: 11
Candidate Starts for Talon44_89:
(Start: 11 @54035 has 146 MA's), (18, 54095), (19, 54098), (22, 54137), (26, 54161), (36, 54203), (41, 54245), (46, 54278), (50, 54317), (52, 54323), (56, 54374), (58, 54395), (59, 54398), (64, 54458), (71, 54524), (74, 54560), (75, 54590), (77, 54608), (82, 54641), (83, 54644), (84, 54650), (98, 54716), (100, 54725), (101, 54728), (105, 54764), (106, 54773), (107, 54782), (110, 54794), (127, 54908), (139, 54977), (146, 55016), (147, 55043), (160, 55157), (165, 55175),

Gene: Tanis_87 Start: 53496, Stop: 54716, Start Num: 11
Candidate Starts for Tanis_87:
(Start: 11 @53496 has 146 MA's), (18, 53556), (19, 53559), (22, 53598), (26, 53622), (36, 53664), (41, 53706), (46, 53739), (50, 53778), (52, 53784), (56, 53835), (58, 53856), (64, 53919), (74, 54021), (75, 54051), (77, 54069), (82, 54102), (84, 54111), (98, 54177), (100, 54186), (101, 54189), (105, 54225), (106, 54234), (107, 54243), (110, 54255), (120, 54306), (121, 54309), (125, 54360), (127, 54369), (139, 54438), (146, 54477), (156, 54585), (160, 54618), (165, 54636), (170, 54663),

Gene: Tatanka_66 Start: 48041, Stop: 49243, Start Num: 17
Candidate Starts for Tatanka_66:
(Start: 10 @47993 has 49 MA's), (13, 48002), (Start: 17 @48041 has 9 MA's), (25, 48119), (35, 48167), (Start: 37 @48185 has 1 MA's), (52, 48299), (58, 48371), (64, 48434), (67, 48464), (73, 48533), (84, 48626), (85, 48632), (93, 48668), (110, 48770), (145, 48977), (148, 49028), (151, 49043), (152, 49061), (153, 49073), (154, 49076), (165, 49145),

Gene: Teacup_73 Start: 48425, Stop: 49660, Start Num: 10
Candidate Starts for Teacup_73:
(9, 48419), (Start: 10 @48425 has 49 MA's), (13, 48434), (16, 48464), (Start: 17 @48473 has 9 MA's), (25, 48551), (35, 48599), (52, 48731), (58, 48803), (64, 48866), (67, 48896), (73, 48965), (84, 49058), (85, 49064), (93, 49100), (110, 49202), (139, 49382), (142, 49388), (148, 49463), (152, 49496), (153, 49508), (165, 49580), (169, 49598),

Gene: TenaciousP_87 Start: 56116, Stop: 57330, Start Num: 11
Candidate Starts for TenaciousP_87:
(Start: 11 @56116 has 146 MA's), (13, 56122), (18, 56176), (19, 56179), (21, 56191), (22, 56218), (23, 56221), (26, 56242), (36, 56284), (41, 56326), (46, 56359), (50, 56398), (58, 56476), (59, 56479), (64, 56539), (74, 56641), (75, 56671), (82, 56722), (84, 56731), (92, 56770), (93, 56773), (98, 56797), (101, 56809), (104, 56836), (105, 56845), (107, 56863), (109, 56872), (110, 56875), (112, 56884), (120, 56926), (124, 56953), (125, 56977), (130, 57007), (146, 57094), (156, 57202), (165, 57253), (170, 57280), (174, 57313),

Gene: Tenney120_77 Start: 46531, Stop: 47778, Start Num: 10
Candidate Starts for Tenney120_77:
(Start: 10 @46531 has 49 MA's), (Start: 33 @46693 has 1 MA's), (35, 46705), (41, 46759), (52, 46837), (59, 46912), (67, 47002), (68, 47011), (75, 47104), (84, 47164), (100, 47239), (110, 47308), (165, 47683), (169, 47701),

Gene: Tenno_72 Start: 48509, Stop: 49759, Start Num: 10
Candidate Starts for Tenno_72:
(9, 48503), (Start: 10 @48509 has 49 MA's), (13, 48518), (16, 48548), (Start: 17 @48557 has 9 MA's), (25, 48635), (35, 48683), (Start: 37 @48701 has 1 MA's), (52, 48815), (58, 48887), (64, 48950), (67, 48980), (73, 49049), (84, 49142), (85, 49148), (93, 49184), (110, 49286), (139, 49463), (148, 49544), (152, 49577), (153, 49589), (154, 49592), (165, 49661), (169, 49679),

Gene: Thiqqums_89 Start: 51423, Stop: 52613, Start Num: 11
Candidate Starts for Thiqqums_89:
(Start: 11 @51423 has 146 MA's), (23, 51528), (41, 51597), (59, 51750), (60, 51768), (69, 51855), (73, 51909), (84, 52002), (89, 52029), (112, 52155), (122, 52218), (125, 52248), (128, 52266), (151, 52413), (158, 52482), (160, 52497), (164, 52512), (168, 52530), (169, 52533), (170, 52542),

Gene: TieDye_77 Start: 48712, Stop: 49896, Start Num: 11
Candidate Starts for TieDye_77:
(Start: 11 @48712 has 146 MA's), (Start: 17 @48757 has 9 MA's), (21, 48787), (52, 48958), (58, 49030), (67, 49132), (84, 49294), (92, 49333), (94, 49339), (99, 49366), (110, 49438), (121, 49492), (124, 49516), (125, 49540), (126, 49546), (133, 49570), (138, 49576), (148, 49690), (160, 49789), (162, 49795), (169, 49825), (170, 49834), (179, 49879),

Gene: Tipton_79 Start: 48637, Stop: 49824, Start Num: 17
Candidate Starts for Tipton_79:
(Start: 10 @48592 has 49 MA's), (Start: 12 @48598 has 15 MA's), (14, 48604), (Start: 17 @48637 has 9 MA's), (35, 48763), (52, 48895), (64, 49030), (67, 49060), (84, 49222), (85, 49228), (93, 49264),

(110, 49366), (142, 49552), (148, 49627), (152, 49660), (153, 49672), (165, 49744),

Gene: Tokki_83 Start: 48580, Stop: 49767, Start Num: 17
Candidate Starts for Tokki_83:
(Start: 10 @48535 has 49 MA's), (Start: 12 @48541 has 15 MA's), (14, 48547), (Start: 17 @48580 has 9 MA's), (35, 48706), (52, 48838), (58, 48910), (64, 48973), (67, 49003), (84, 49165), (85, 49171), (93, 49207), (110, 49309), (142, 49495), (148, 49570), (152, 49603), (153, 49615), (165, 49687),

Gene: Tonaltzin_86 Start: 54855, Stop: 56069, Start Num: 11
Candidate Starts for Tonaltzin_86:
(Start: 11 @54855 has 146 MA's), (13, 54861), (18, 54915), (19, 54918), (21, 54930), (22, 54957), (23, 54960), (26, 54981), (36, 55023), (41, 55065), (46, 55098), (50, 55137), (58, 55215), (59, 55218), (64, 55278), (74, 55380), (75, 55410), (82, 55461), (84, 55470), (92, 55509), (93, 55512), (98, 55536), (101, 55548), (104, 55575), (105, 55584), (107, 55602), (109, 55611), (110, 55614), (112, 55623), (120, 55665), (124, 55692), (125, 55716), (130, 55746), (146, 55833), (156, 55941), (165, 55992), (170, 56019), (174, 56052),

Gene: TonyStarch_80 Start: 49150, Stop: 50334, Start Num: 11
Candidate Starts for TonyStarch_80:
(Start: 11 @49150 has 146 MA's), (Start: 17 @49195 has 9 MA's), (21, 49225), (52, 49396), (58, 49468), (62, 49507), (67, 49570), (84, 49732), (92, 49771), (94, 49777), (99, 49804), (110, 49876), (121, 49930), (124, 49954), (125, 49978), (126, 49984), (133, 50008), (138, 50014), (148, 50128), (160, 50227), (162, 50233), (169, 50263), (170, 50272), (182, 50326),

Gene: Tribby_82 Start: 47346, Stop: 48656, Start Num: 11
Candidate Starts for Tribby_82:
(Start: 11 @47346 has 146 MA's), (64, 47784), (67, 47814), (73, 47883), (76, 47928), (82, 47967), (84, 47976), (90, 48006), (100, 48051), (101, 48054), (105, 48090), (107, 48108), (108, 48114), (109, 48117), (110, 48120), (113, 48132), (122, 48192), (125, 48222), (159, 48465), (162, 48483), (174, 48555), (185, 48591),

Gene: TrixiePhattel_78 Start: 46130, Stop: 47374, Start Num: 10
Candidate Starts for TrixiePhattel_78:
(Start: 10 @46130 has 49 MA's), (35, 46304), (41, 46358), (52, 46436), (59, 46511), (64, 46571), (67, 46601), (68, 46610), (83, 46757), (84, 46763), (108, 46901), (110, 46907), (165, 47282), (169, 47300),

Gene: Truckee_73 Start: 48257, Stop: 49489, Start Num: 10
Candidate Starts for Truckee_73:
(Start: 10 @48257 has 49 MA's), (Start: 12 @48263 has 15 MA's), (14, 48269), (Start: 17 @48302 has 9 MA's), (34, 48419), (35, 48428), (52, 48560), (58, 48632), (64, 48695), (67, 48725), (76, 48839), (84, 48887), (85, 48893), (93, 48929), (110, 49031), (148, 49292), (152, 49325), (153, 49337), (154, 49340), (165, 49409),

Gene: Trufflozitus_88 Start: 53974, Stop: 55194, Start Num: 11
Candidate Starts for Trufflozitus_88:
(Start: 11 @53974 has 146 MA's), (18, 54034), (19, 54037), (22, 54076), (26, 54100), (36, 54142), (41, 54184), (44, 54211), (46, 54217), (50, 54256), (52, 54262), (57, 54319), (58, 54334), (64, 54397), (74, 54499), (75, 54529), (77, 54547), (82, 54580), (83, 54583), (84, 54589), (98, 54655), (100, 54664), (101, 54667), (105, 54703), (106, 54712), (107, 54721), (110, 54733), (120, 54784), (121, 54787), (125, 54838), (127, 54847), (139, 54916), (146, 54955), (156, 55063), (160, 55096), (165, 55114), (168, 55129),

Gene: Trustiboi_70 Start: 48111, Stop: 49361, Start Num: 10

Candidate Starts for Trustiboi_70:
(Start: 10 @48111 has 49 MA's), (13, 48120), (Start: 17 @48159 has 9 MA's), (25, 48237), (35, 48285), (Start: 37 @48303 has 1 MA's), (52, 48417), (58, 48489), (64, 48552), (67, 48582), (73, 48651), (84, 48744), (85, 48750), (93, 48786), (110, 48888), (145, 49095), (148, 49146), (151, 49161), (152, 49179), (153, 49191), (154, 49194), (165, 49263),

Gene: Untouchable_88 Start: 55472, Stop: 56686, Start Num: 11
Candidate Starts for Untouchable_88:
(Start: 11 @55472 has 146 MA's), (13, 55478), (18, 55532), (19, 55535), (21, 55547), (25, 55595), (26, 55598), (36, 55640), (41, 55682), (44, 55709), (46, 55715), (50, 55754), (58, 55832), (59, 55835), (64, 55895), (74, 55997), (75, 56027), (82, 56078), (84, 56087), (90, 56117), (92, 56126), (97, 56150), (98, 56153), (99, 56159), (101, 56165), (104, 56192), (105, 56201), (107, 56219), (109, 56228), (110, 56231), (112, 56240), (120, 56282), (121, 56285), (124, 56309), (125, 56333), (130, 56363), (138, 56378), (139, 56411), (146, 56450), (148, 56492), (165, 56609), (170, 56636), (174, 56669),

Gene: Uzumaki_75 Start: 45845, Stop: 47092, Start Num: 10
Candidate Starts for Uzumaki_75:
(Start: 10 @45845 has 49 MA's), (Start: 33 @46007 has 1 MA's), (35, 46019), (41, 46073), (52, 46151), (59, 46226), (67, 46316), (68, 46325), (75, 46418), (84, 46478), (100, 46553), (110, 46622), (165, 46997), (169, 47015),

Gene: Vardy_85 Start: 53995, Stop: 55209, Start Num: 11
Candidate Starts for Vardy_85:
(Start: 11 @53995 has 146 MA's), (13, 54001), (18, 54055), (19, 54058), (21, 54070), (26, 54121), (36, 54163), (41, 54205), (46, 54238), (50, 54277), (52, 54283), (58, 54355), (59, 54358), (64, 54418), (74, 54520), (75, 54550), (79, 54577), (82, 54601), (84, 54610), (90, 54640), (92, 54649), (93, 54652), (98, 54676), (101, 54688), (104, 54715), (105, 54724), (107, 54742), (109, 54751), (110, 54754), (112, 54763), (117, 54796), (121, 54808), (124, 54832), (125, 54856), (138, 54901), (143, 54955), (144, 54961), (146, 54973), (156, 55081), (165, 55132), (170, 55159), (174, 55192),

Gene: Westerlin_69 Start: 49204, Stop: 50427, Start Num: 13
Candidate Starts for Westerlin_69:
(9, 49189), (Start: 10 @49195 has 49 MA's), (13, 49204), (16, 49234), (Start: 17 @49243 has 9 MA's), (25, 49321), (35, 49369), (Start: 37 @49387 has 1 MA's), (52, 49501), (58, 49573), (64, 49636), (67, 49666), (73, 49735), (84, 49828), (85, 49834), (93, 49870), (110, 49972), (139, 50149), (145, 50179), (148, 50230), (153, 50275), (154, 50278), (165, 50347), (169, 50365),

Gene: Wigberry_84 Start: 50233, Stop: 51690, Start Num: 11
Candidate Starts for Wigberry_84:
(Start: 11 @50233 has 146 MA's), (39, 50377), (51, 50476), (67, 50653), (74, 50725), (84, 50815), (94, 50860), (97, 50878), (110, 50959), (116, 50998), (117, 51001), (124, 51037), (126, 51067), (130, 51118), (135, 51253), (136, 51289), (137, 51358), (143, 51415), (149, 51478), (155, 51532), (156, 51541), (160, 51574), (161, 51577), (162, 51580), (168, 51607), (170, 51619), (171, 51622), (176, 51655), (182, 51673),

Gene: Xenomorph_75 Start: 46873, Stop: 48183, Start Num: 11
Candidate Starts for Xenomorph_75:
(Start: 11 @46873 has 146 MA's), (64, 47311), (67, 47341), (73, 47410), (76, 47455), (82, 47494), (84, 47503), (90, 47533), (100, 47578), (101, 47581), (105, 47617), (107, 47635), (108, 47641), (109, 47644), (110, 47647), (113, 47659), (122, 47719), (125, 47749), (159, 47992), (162, 48010), (174, 48082), (185, 48118),

Gene: YoshiYama_81 Start: 47625, Stop: 48935, Start Num: 11

Candidate Starts for YoshiYama_81:
(Start: 11 @47625 has 146 MA's), (52, 47928), (64, 48063), (67, 48093), (76, 48207), (84, 48255), (90, 48285), (94, 48300), (100, 48330), (101, 48333), (107, 48387), (108, 48393), (109, 48396), (110, 48399), (113, 48411), (122, 48471), (125, 48501), (159, 48744), (162, 48762), (174, 48834), (185, 48870),

Gene: Yotsuba_76 Start: 49771, Stop: 51048, Start Num: 11
Candidate Starts for Yotsuba_76:
(Start: 11 @49771 has 146 MA's), (21, 49846), (Start: 33 @49930 has 1 MA's), (52, 50074), (55, 50110), (59, 50149), (64, 50209), (67, 50239), (84, 50401), (107, 50533), (112, 50554), (118, 50590), (121, 50599), (126, 50653), (133, 50689), (145, 50752), (148, 50803), (151, 50818), (156, 50869), (160, 50902),

Gene: Zeina_80 Start: 46870, Stop: 48117, Start Num: 10
Candidate Starts for Zeina_80:
(Start: 10 @46870 has 49 MA's), (Start: 33 @47032 has 1 MA's), (35, 47044), (41, 47098), (52, 47176), (58, 47248), (67, 47341), (68, 47350), (84, 47503), (100, 47578), (110, 47647), (157, 47986), (165, 48022), (169, 48040),

Gene: Zeph_88 Start: 55276, Stop: 56490, Start Num: 11
Candidate Starts for Zeph_88:
(Start: 11 @55276 has 146 MA's), (13, 55282), (18, 55336), (19, 55339), (21, 55351), (25, 55399), (26, 55402), (36, 55444), (41, 55486), (44, 55513), (46, 55519), (50, 55558), (58, 55636), (59, 55639), (64, 55699), (74, 55801), (75, 55831), (79, 55858), (82, 55882), (83, 55885), (84, 55891), (90, 55921), (92, 55930), (93, 55933), (97, 55954), (98, 55957), (99, 55963), (101, 55969), (104, 55996), (105, 56005), (107, 56023), (109, 56032), (110, 56035), (112, 56044), (121, 56089), (124, 56113), (125, 56137), (138, 56182), (139, 56215), (146, 56254), (148, 56296), (165, 56413), (170, 56440), (174, 56473),

Gene: Zippen_79 Start: 48905, Stop: 50164, Start Num: 10
Candidate Starts for Zippen_79:
(9, 48899), (Start: 10 @48905 has 49 MA's), (16, 48941), (Start: 17 @48950 has 9 MA's), (35, 49076), (43, 49151), (58, 49280), (59, 49283), (64, 49343), (67, 49373), (79, 49502), (84, 49535), (93, 49577), (110, 49679), (139, 49859), (148, 49940), (153, 49985), (165, 50057),