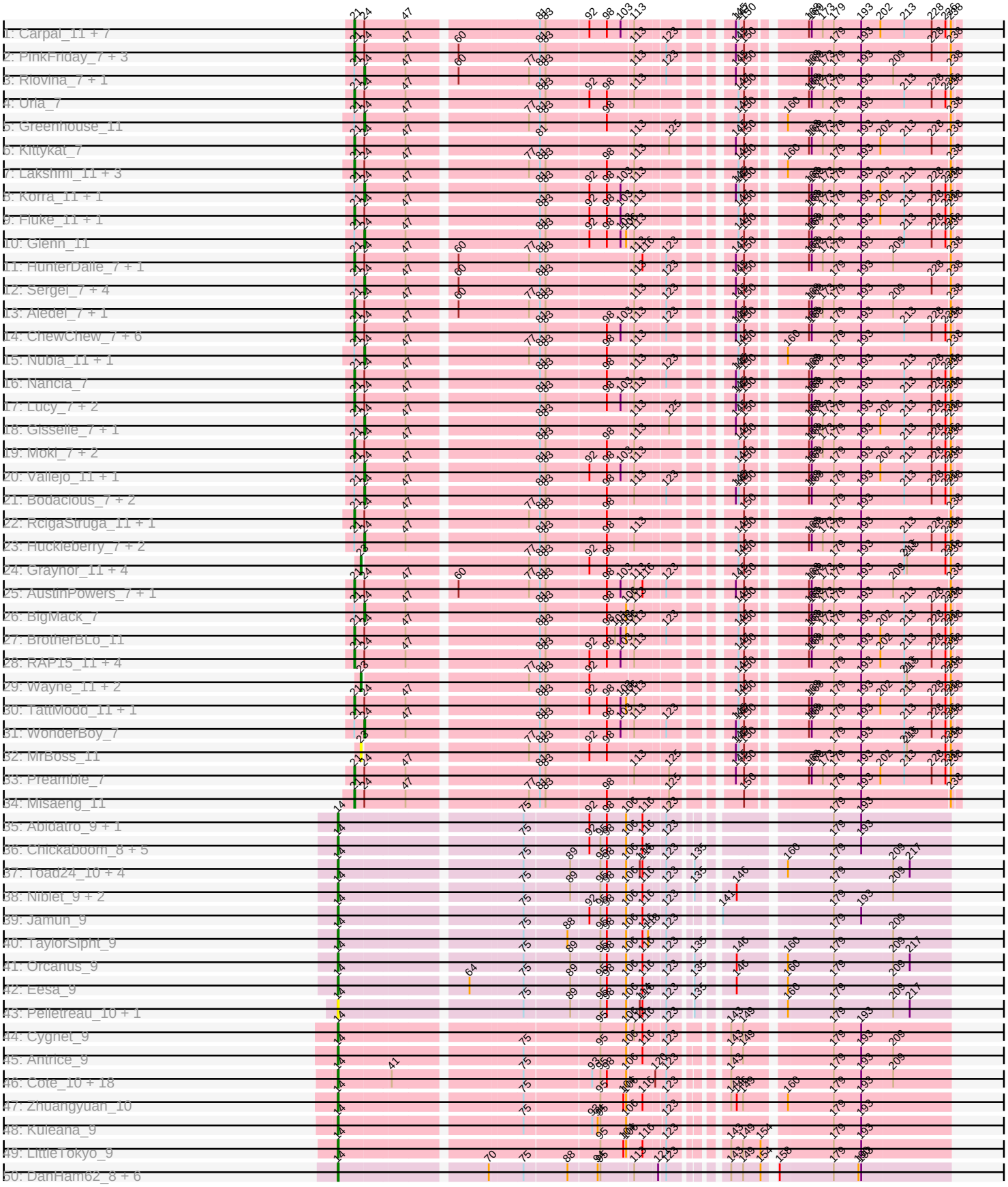
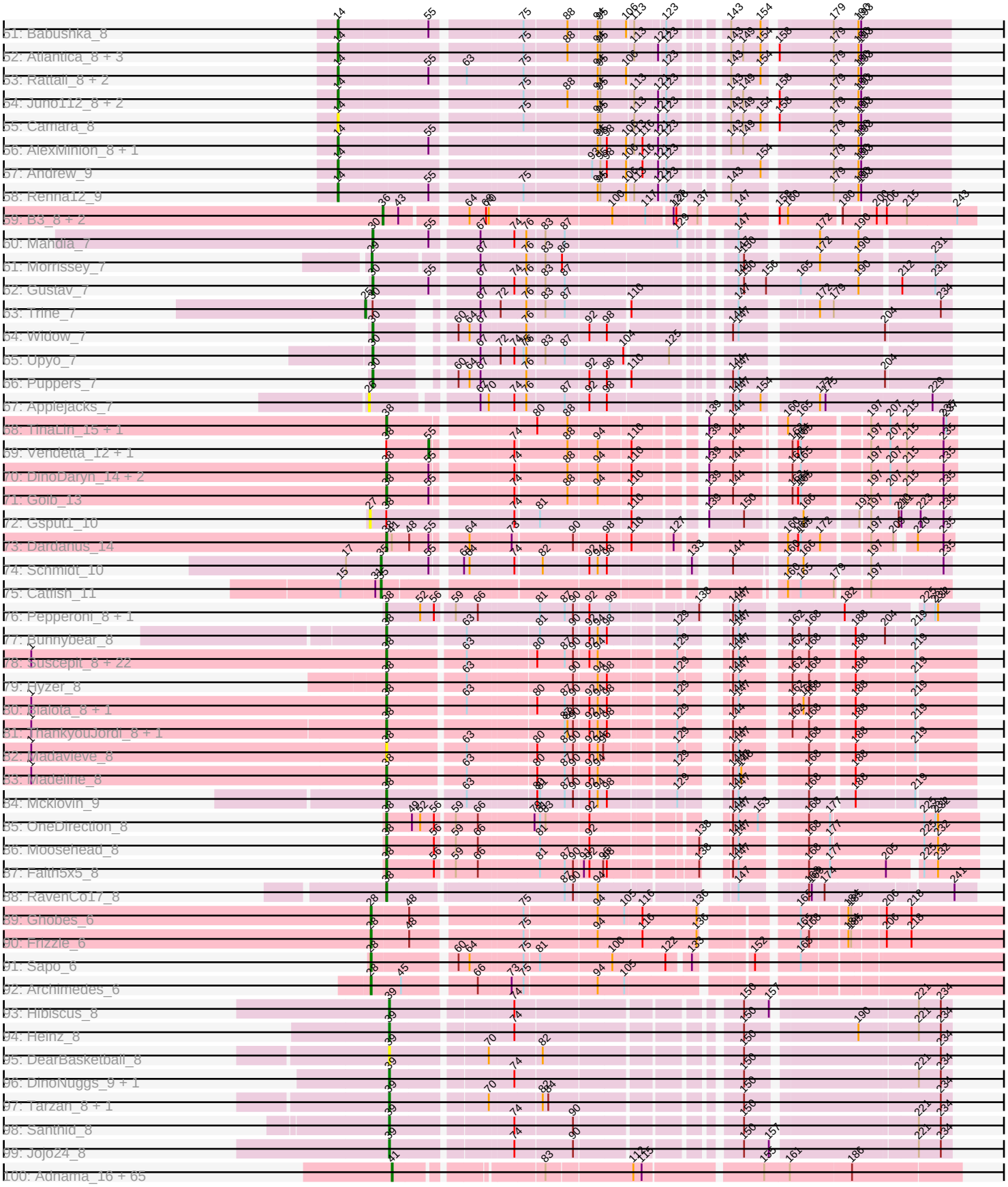
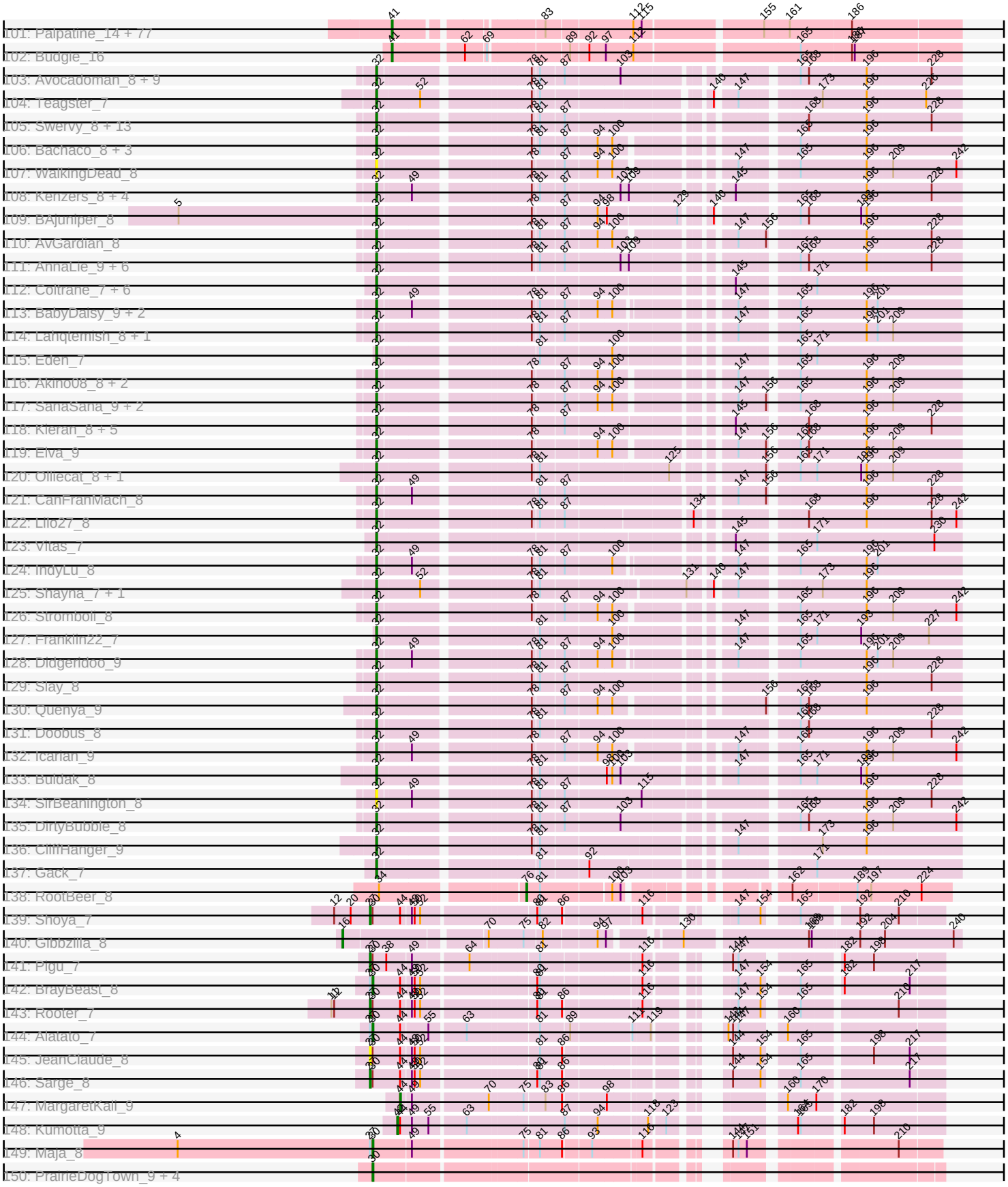
Pham 347050


1: Carpal_11 + 7
2: PinkFriday_7 + 3
3: Riovina_7 + 1
4: Orla_7
5: Greenhouse_11
6: Kittykat_7
7: Lakshmi_11 + 3
8: Korra_11 + 1
9: Fluke_11 + 1
10: Glenn_11
11: HunterDalle_7 + 1
12: Sergei_7 + 4
13: Aledel_7 + 1
14: ChewChew_7 + 6
15: Nubia_11 + 1
16: Nancia_7
17: Lucy_7 + 2
18: Gisselle_7 + 1
19: Moki_7 + 2
20: Vallejo_11 + 1
21: Bodacious_7 + 2
22: RcigaStruga_11 + 1
23: Huckleberry_7 + 2
24: Graynor_11 + 4
25: AustinPowers_7 + 1
26: BigMack_7
27: BrotherBLo_11
28: RAP15_11 + 4
29: Wayne_11 + 2
30: TattModd_11 + 1
31: WonderBoy_7
32: MrBoss_11
33: Preamble_7
34: Misaeng_11
35: Abidatro_9 + 1
36: Chickaboom_8 + 5
37: Toad24_10 + 4
38: Niblet_9 + 2
39: Jamun_9
40: TaylorSpht_9
41: Orcanus_9
42: Eesa_9
43: Pelletreau_10 + 1
44: Cygnet_9
45: Antrice_9
46: Cote_10 + 18
47: Zhuangyuan_10
48: Kuleana_9
49: LittleTokyo_9
50: DanHam62_8 + 6

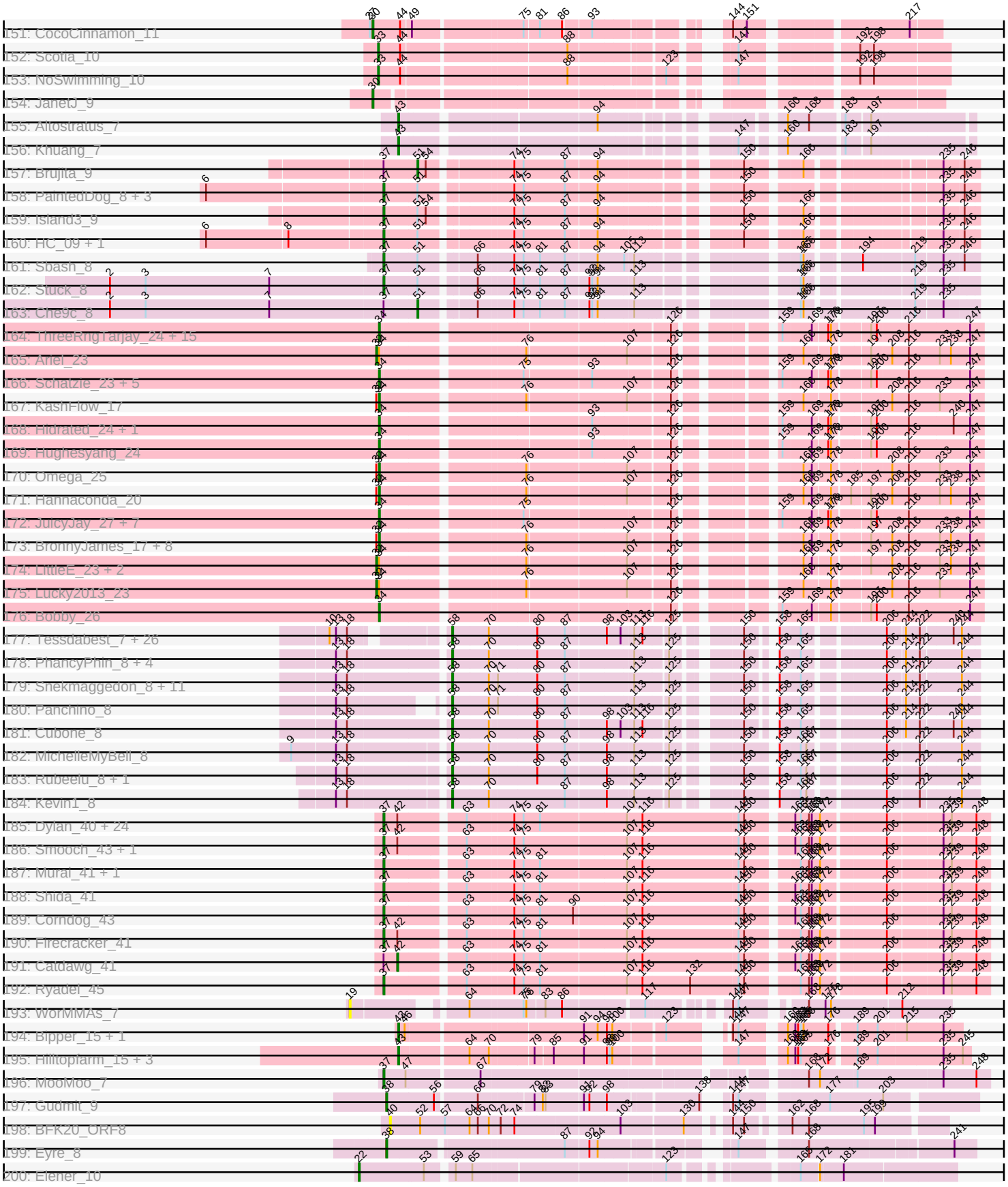
Pham 347050


51: Babushka_8
52: Atlantica_8 + 3
53: Rattail_8 + 2
54: Juno112_8 + 2
55: Camara_8
56: AlexMinion_8 + 1
57: Andrew_9
58: Renna12_9
59: B3_8 + 2
60: Mandia_7
61: Morrissey_7
62: Gustav_7
63: Trine_7
64: Widow_7
65: Upyo_7
66: Puppers_7
67: Applejacks_7
68: TinaLin_15 + 1
69: Vendetta_12 + 1
70: DinoDaryn_14 + 2
71: Golb_13
72: Gsput1_10
73: Dardanus_14
74: Schmidt_10
75: Catfish_11
76: Pepperoni_8 + 1
77: Bunnybear_8
78: Suscepit_8 + 22
79: Ryzer_8
80: Bialota_8 + 1
81: ThankyouJordi_8 + 1
82: Madavieve_8
83: Madeline_8
84: Micklovin_9
85: OneDirection_8
86: Moosehead_8
87: Faith5x5_8
88: RavenCo17_8
89: Ghobes_6
90: Frizzle_6
91: Sapo_6
92: Archimedes_6
93: Hibiscus_8
94: Heinz_8
95: DearBasketball_8
96: DinoNuggs_9 + 1
97: Tarzan_8 + 1
98: Santhid_8
99: Jojo24_8
100: Adhama_16 + 65

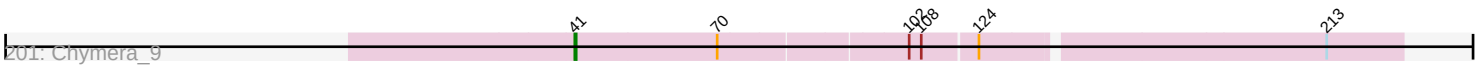
Pham 347050


101: Palpatine_14 + 77
102: Buggie_16
103: Avocadoman_8 + 9
104: Teagster_7
105: Swervy_8 + 13
106: Bachaco_8 + 3
107: WalkingDead_8
108: Kenzers_8 + 4
109: BAjuniper_8
110: AvGardian_8
111: AnnaLie_9 + 6
112: Coltrane_7 + 6
113: BabyDaisy_9 + 2
114: Lanqtemish_8 + 1
115: Eden_7
116: Akino08_8 + 2
117: SanaSana_9 + 2
118: Kieran_8 + 5
119: Elva_9
120: Olliecat_8 + 1
121: CanFranMach_8
122: Lilo27_8
123: Vitas_7
124: IndyLu_8
125: Shayna_7 + 1
126: Stromboli_8
127: Franklin22_7
128: Didgeridoo_9
129: Slay_8
130: Quenya_9
131: Doobus_8
132: Icarian_9
133: Buldak_8
134: SirBeanington_8
135: DirtyBubble_8
136: CliffHanger_9
137: Gack_7
138: RootBeer_8
139: Shoya_7
140: Gibbzilla_8
141: Pigu_7
142: BrayBeast_8
143: Rooter_7
144: Alatato_7
145: JeanClaude_8
146: Sarge_8
147: MargaretKail_9
148: Kumotta_9
149: Maja_8
150: PrairieDogTown_9 + 4

Pham 347050


151: CocoCinnamon_11
152: Scotia_10
153: NoSwimming_10
154: JanetJ_9
155: Altostratus_7
156: Khuang_7
157: Brujita_9
158: PaintedDog_8 + 3
159: Island3_9
160: HC_09 + 1
161: Sbash_8
162: Stuck_8
163: Che9c_8
164: ThreeRingTarjay_24 + 15
165: Ariel_23
166: Schatzie_23 + 5
167: KashFlow_17
168: Hidrated_24 + 1
169: Hughesyang_24
170: Omega_25
171: Hannaconda_20
172: JuicyJay_27 + 7
173: BronnyJames_17 + 8
174: LittleE_23 + 2
175: Lucky2013_23
176: Bobby_26
177: Tessdabest_7 + 26
178: PhancyPhin_8 + 4
179: Snekmaggedon_8 + 11
180: Panchino_8
181: Cubone_8
182: MichelleMyBell_8
183: Rubeelu_8 + 1
184: Kevin1_8
185: Dylan_40 + 24
186: Smooch_43 + 1
187: Murat_41 + 1
188: Shida_41
189: Corndog_43
190: Firecracker_41
191: Catdawg_41
192: Ryadel_45
193: WorMMAs_7
194: Bipper_15 + 1
195: Hilltopfarm_15 + 3
196: MooMoo_7
197: Gudmit_9
198: BFK20_ORF8
199: Eyre_8
200: Elener_10

Pham 347050



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 347050 Report

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

Pham number 347050 has 646 members, 59 are drafts.

Phages represented in each track:
• Track 1 : Carpal_11, Dino_11, Wawa_11, Cholula_11, Kalizoi_11, Potatoes_11, Immaculata_11, Beethoven_11
• Track 2 : PinkFriday_7, Pumancara_7, Maria1952_7, Supakev_7
• Track 3 : Riovina_7, Eunoia_7
• Track 4 : Urla_7
• Track 5 : Greenhouse_11
• Track 6 : Kittykat_7
• Track 7 : Lakshmi_11, GreenHearts_11, Joann_11, Albanese_11
• Track 8 : Korra_11, Zorro_11
• Track 9 : Fluke_11, Rozby_11
• Track 10 : Glenn_11
• Track 11 : HunterDalle_7, Vulture_7
• Track 12 : Sergei_7, Temper16_7, Daiboju_7, KingBob_7, Herb_7
• Track 13 : Aledel_7, OMalley_7
• Track 14 : ChewChew_7, DrRobert_7, PitaDog_7, Christian_7, OurGirlNessie_7, Lennox_7, LilStuart_7
• Track 15 : Nubia_11, Oxynfrius_11
• Track 16 : Nancia_7
• Track 17 : Lucy_7, Makoto_7, Pterodactyl_7
• Track 18 : Gisselle_7, DreamTeam_7
• Track 19 : Moki_7, Bennie_7, HeadNerd_7
• Track 20 : Vallejo_11, Scuttle_11
• Track 21 : Bodacious_7, Lasagna_7, CristinaYang_7
• Track 22 : RcigaStruga_11, Huntingdon_11
• Track 23 : Huckleberry_7, MamaPearl_7, EstebanJulior_7
• Track 24 : Graynor_11, Litotes_11, PartyCup_11, AppleCider_11, CallieOMalley_11
• Track 25 : AustinPowers_7, Chridison_7
• Track 26 : BigMack_7
• Track 27 : BrotherBLo_11
• Track 28 : RAP15_11, Jumboset_11, Riverdale_11, MeganNoll_11, Savage2526_11
• Track 29 : Wayne_11, Suppi_11, Canowicakte_11
• Track 30 : TattModd_11, MrGloopy_11
• Track 31 : WonderBoy_7
• Track 32 : MrBoss_11
• Track 33 : Preamble_7
• Track 34 : Misaeng_11
• Track 35 : Abidatro_9, Galaxy_9

• Track 36 : Chickaboom_8, WileyE_8, Vulpecula_9, Basilisk_9, Ruchi_9, Brynnie_9
• Track 37 : Toad24_10, Amanises_10, KendraB23_10, Westrich_10, Shen_10
• Track 38 : Niblet_9, Zixiang_9, Chicken_9
• Track 39 : Jamun_9
• Track 40 : TaylorSipht_9
• Track 41 : Orcanus_9
• Track 42 : Eesa_9
• Track 43 : Pelletreau_10, Gravel_10
• Track 44 : Cygnet_9
• Track 45 : Antrice_9
• Track 46 : Cote_10, Polka_9, Pineda_10, Bibble12_10, Jerole_10, Coral_9, Daob_10, GramZayde_9, HannahPhantana_10, Damocles_10, Melons_10, BadWillHunting_10, Bedetta_10, PhirstandPhine_10, Kepler_9, Colusalem_9, OtsoOtso_9, Lunar_10, Amelia_10
• Track 47 : Zhuangyuan_10
• Track 48 : Kuleana_9
• Track 49 : LittleTokyo_9
• Track 50 : DanHam62_8, Amphitrite_8, Laphuphu24k_8, AdoptaAdorbs_8, PhluffyCoco_8, HamCheese_8, RedFox_8
• Track 51 : Babushka_8
• Track 52 : Atlantica_8, Oppalora_8, KHumphrey_8, Glotell_8
• Track 53 : Rattail_8, Leona_8, Azaz_8
• Track 54 : Juno112_8, AmiCi24_8, Fingolfin_8
• Track 55 : Camara_8
• Track 56 : AlexMinion_8, StuartMinion_8
• Track 57 : Andrew_9
• Track 58 : Renna12_9
• Track 59 : B3_8, Anatole_8, E1_8
• Track 60 : Mahdia_7
• Track 61 : Morrissey_7
• Track 62 : Gustav_7
• Track 63 : Trine_7
• Track 64 : Widow_7
• Track 65 : Upyo_7
• Track 66 : Puppers_7
• Track 67 : Applejacks_7
• Track 68 : TinaLin_15, Banquo_16
• Track 69 : Vendetta_12, Splinter_12
• Track 70 : DinoDaryn_14, Huffy_14, TZGordon_14
• Track 71 : Goib_13
• Track 72 : Gsput1_10
• Track 73 : Dardanus_14
• Track 74 : Schmidt_10
• Track 75 : Catfish_11
• Track 76 : Pepperoni_8, Lton_8
• Track 77 : Bunnybear_8
• Track 78 : Suscepit_8, BoyNamedSue_8, Trumpet_8, Maridalia_8, Neobush_8, BatStarr_8, Polly_8, Manasvini_8, SushiChef_8, Zameen_8, TimTam_8, Tayonia_8, Bosnia_8, Herod_8, Antonio_8, Agueybana_8, Eviarto_8, Kita_8, Nymphadora_8, Dillpickles_8, AlumE_8, Hugley_8, Eudoria_8
• Track 79 : Hyzer_8
• Track 80 : Bialota_8, Zirinka_8
• Track 81 : ThankyouJordi_8, WelcomeAyanna_8

• Track 82 : Madavieve_8
• Track 83 : Madeline_8
• Track 84 : Mcklovin_9
• Track 85 : OneDirection_8
• Track 86 : Moosehead_8
• Track 87 : Faith5x5_8
• Track 88 : RavenCo17_8
• Track 89 : Ghobes_6
• Track 90 : Frizzle_6
• Track 91 : Sapo_6
• Track 92 : Archimedes_6
• Track 93 : Hibiscus_8
• Track 94 : Heinz_8
• Track 95 : DearBasketball_8
• Track 96 : DinoNuggs_9, Reyja_9
• Track 97 : Tarzan_8, DonkeyMan_8
• Track 98 : Santhid_8
• Track 99 : Jojo24_8
• Track 100 : Adnama_16, NonchalantPear_14, ShereKhan_16, Filch_15, Easy2Say_15, Brewer_14, Hoonter_16, Czyszczon1_15, Stank_16, Elite2014_13, Pumpkin_15, Murphy_14, Hopey_15, Lilac_16, Phrux_14, BigBubba_14, Terminus_14, AmericanBeauty_16, Bench_16, Cjw1_14, Misfit_14, ChosenOne_13, Highbury_15, Xandras_16, Wiggin_16, DrDrey_15, Elph10_15, Gemini_16, PaddyBaddy_15, Porky_13, Gage_16, Paperbeatsrock_16, Petra64142_15, Lilizi_16, OrionPax_15, Maxxinista_15, Stark_15, TBrady12_16, Kanye_16, Emmina_14, ChotaBhai_14, Moldemort_15, Greep_15, Ptowny_14, Lilpickle_13, Thresher_15, GoldenSpark_16, HanKaySha_15, Pharsalus_15, RiverMonster_14, 244_15, Ukulele_14, Becksu_14, Simpliphy_15, Tarkin_16, GooberAzure_16, Argent26_16, Nimrod_14, Youngblood_14, MadamMonkfish_14, NoSleep_15, Dumbo_14, JeTaime_16, StolenFromERC_16, Kimchi_16, Saints25_15
• Track 101 : Palpatine_14, Pat3_14, IHOP_14, Quallification_16, Balomoji_14, Dusk_14, Miniwave_15, Mindy_15, Mosby_14, FairyPath_15, Icee_14, MPhalcon_14, BaboJay_14, Sotrice96_15, NelitzaMV_15, Eureka_15, Livelaughbron_14, Asriel_14, Goldilocks_16, Contagion_14, Buck_14, Barbarian_14, Traaww1_13, Flypotenuse_13, Amao_15, DoctorDiddles_15, Bruin_14, Command613_16, Gator_13, CrystalP_15, Phaux_13, Marshmallow_15, Cookies_15, Goku_15, ShamWow_15, Teaspoon_14, Henry_15, ABCat_14, Toto_15, Holt_16, Policronamos_14, Inca_14, StormChicken_15, Daikon_13, FoghornLeghorn_14, xkcd_15, HufflyPuff_13, Nala_14, FireRed_14, StellaBean_15, Tomaszewski_14, Harella_13, Rimmer_14, Kostya_15, Thimble_15, SirDuracell_14, Sassay_14, Willez_14, BugsBunny_12, Bogg_15, MollyToe_15, Glexan_13, MISSy_14, Bask21_14, Rakim_16, TeardropMSU_14, Manda_15, Myrale_15, YassJohnny_15, SophKB_15, Cactus_16, Phaja_14, Murica_13, BilboSwaggins_15, PhatBacter_14, Tuco_15, TeamEdward_15, BadStone_14
• Track 102 : Budgie_16
• Track 103 : Avocadoman_8, Johnathan_8, Bengal_8, Softsoap_8, Albright_8, Solea_9, Arroyo_9, LimaBean_8, Milomuff_9, Abigail_8
• Track 104 : Teagster_7
• Track 105 : Swervy_8, Jovita_8, SarBear_8, Jabb_8, QMacho_9, TukTuk_8, Nicky22_9, Cashington_8, Eula_8, MsUbiquitous_8, AylexOG_9, Pecas_8, Finalfrontier_9, CupcakePrincess_8
• Track 106 : Bachaco_8, Celaena_8, FlameThrower_8, Katzastrophic_8
• Track 107 : WalkingDead_8

• Track 108 : Kenzers_8, Phisb_8, BubbaBear_8, Albedo_8, Lynlen_8
• Track 109 : BAjuniper_8
• Track 110 : AvGardian_8
• Track 111 : AnnaLie_9, SansAfet_8, DickRichards_8, Burritobowl_8, BelmontSKP_9, CroZenni_8, PhigPhack_8
• Track 112 : Coltrane_7, Skylord_7, Rollins_7, Clayda5_7, Brahms_7, Armstrong_7, Bernstein_7
• Track 113 : BabyDaisy_9, Grist_8, Kate33_8
• Track 114 : Lahqtemish_8, PastaFagioli_8
• Track 115 : Eden_7
• Track 116 : Akino08_8, Loviatar_8, BabyYoda_8
• Track 117 : SanaSana_9, Stoor_8, PondAmelia_9
• Track 118 : Kieran_8, Rona_8, ChiliPepper_8, Sharkboy_8, Dismas_8, Kamdara_8
• Track 119 : Elva_9
• Track 120 : Olliecat_8, Squircle_8
• Track 121 : CanFranMach_8
• Track 122 : Lilo27_8
• Track 123 : Vitas_7
• Track 124 : IndyLu_8
• Track 125 : Shayna_7, SunnyD_7
• Track 126 : Stromboli_8
• Track 127 : Franklin22_7
• Track 128 : Didgeridoo_9
• Track 129 : Slay_8
• Track 130 : Quenya_9
• Track 131 : Doobus_8
• Track 132 : Icarian_9
• Track 133 : Buldak_8
• Track 134 : SirBeanington_8
• Track 135 : DirtyBubble_8
• Track 136 : CliffHanger_9
• Track 137 : Gack_7
• Track 138 : RootBeer_8
• Track 139 : Shoya_7
• Track 140 : Gibbzilla_8
• Track 141 : Pigu_7
• Track 142 : BrayBeast_8
• Track 143 : Rooter_7
• Track 144 : Alatato_7
• Track 145 : JeanClaude_8
• Track 146 : Sarge_8
• Track 147 : MargaretKali_9
• Track 148 : Kumotta_9
• Track 149 : Maja_8
• Track 150 : PrairieDogTown_9, EvenBluerMoon_9, Hereford_10, Morrey_13, Aoka_9
• Track 151 : CocoCinnamon_11
• Track 152 : Scotia_10
• Track 153 : NoSwimming_10
• Track 154 : JanetJ_9
• Track 155 : Altostratus_7
• Track 156 : Khuang_7
• Track 157 : Brujita_9

• Track 158 : PaintedDog_8, QueenHazel_9, Babsiella_9, Xula_8
• Track 159 : Island3_9
• Track 160 : HC_09, Bluvara_9
• Track 161 : Sbash_8
• Track 162 : Stuck_8
• Track 163 : Che9c_8
• Track 164 : ThreeRngTarjay_24, DmpstrDiver_24, Ejimix_26, Beem_25, EricMillard_25, Phoebus_25, Bagrid_23, Kalah2_26, Pound_25, Redno2_24, Thibault_21, BAKA_22, HokkenD_20, Dallas_25, Halley_25, Optimus_23
• Track 165 : Ariel_23
• Track 166 : Schatzie_23, Klein_25, Dove_23, NihilNomen_24, Wanda_26, Bombitas_22
• Track 167 : KashFlow_17
• Track 168 : Hidrated_24, Marleymoo_26
• Track 169 : Hughesyang_24
• Track 170 : Omega_25
• Track 171 : Hannaconda_20
• Track 172 : JuicyJay_27, Minerva_25, Constella_20, Zelink_26, Yeet_23, Odette_24, Xiaokay_22, Duke13_22
• Track 173 : BronnyJames_17, Nekros_23, Squint_22, Porcelain_23, Rearden_20, Superphikiman_23, Nibley_18, Gonephishing_21, Shaboozey_17
• Track 174 : LittleE_23, Courthouse_23, MiaZeal_23
• Track 175 : Lucky2013_23
• Track 176 : Bobby_26
• Track 177 : Tessdabest_7, Bosection6_8, Andies_8, Duplicity_8, Scitech_8, Silvafighter_8, Journey_8, Silvy_8, Phloss_8, Carcharodon_8, Melville_8, Xeno_8, Schnauzer_8, Parmesanjohn_8, Pipsqueaks_8, Chewbacca_8, Tapioca_8, Philonius_8, Fulbright_8, Tortoise12_8, EGUnicorn_8, Magsby_8, Charlie_8, Xerxes_8, Aggie_8, Smurph_8, Gex_8
• Track 178 : PhancyPhin_8, Raymond7_8, Shweta_8, Impisi_8, Phrann_8
• Track 179 : Snekmaggedon_8, Redi_8, ShrimpFriedEgg_8, Rebel_8, Spinach_8, BabeRuth_8, Purgamenstris_8, Jamie19_8, Hanako_8, SkinnyPete_8, SpongeBob_8, Nenae_8
• Track 180 : Panchino_8
• Track 181 : Cubone_8
• Track 182 : MichelleMyBell_8
• Track 183 : Rubeelu_8, Butters_8
• Track 184 : Kevin1_8
• Track 185 : Dylan_40, Alkhayr_41, TelAviv_38, Zakhe101_41, FoulBall_41, Ashwin_42, Famílton_42, Bora_38, Winget_42, Blessica_42, NiebruSaylor_40, KingPhillip3_41, Mori_40, Zebo_41, YoyoKar_39, YungJamal_44, Wildflower_41, JangDynasty_41, Wogge42_40, Vorrps_40, Schuy_42, SchoolBus_41, Vagabond_41, MadKillah_42, Idergollasper_41
• Track 186 : Smooch_43, Imara_41
• Track 187 : Murai_41, Krili_40
• Track 188 : Shida_41
• Track 189 : Corndog_43
• Track 190 : Firecracker_41
• Track 191 : Catdawg_41
• Track 192 : Ryadel_45
• Track 193 : WorMMAs_7
• Track 194 : Bipper_15, Cracklewink_15
• Track 195 : Hilltopfarm_15, Faiyaz_15, AuntGwenStacy_15, Typha_15

• Track 196 : MooMoo_7
• Track 197 : Gudmit_9
• Track 198 : BFK20_ORF8
• Track 199 : Eyre_8
• Track 200 : Elener_10
• Track 201 : Chymera_9

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

The start number called the most often in the published annotations is 41, it was called in 135 of the 587 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_15, ABCat_14, Adnama_16, Amao_15, AmericanBeauty_16, Argent26_16, Asriel_14, BaboJay_14, BadStone_14, Balomoji_14, Barbarian_14, Bask21_14, Becksu_14, Bench_16, BigBubba_14, BilboSwaggins_15, Bogg_15, Brewer_14, Bruin_14, Buck_14, Budgie_16, BugsBunny_12, Cactus_16, ChosenOne_13, ChotaBhai_14, Chymera_9, Cjw1_14, Command613_16, Contagion_14, Cookies_15, CrystalP_15, Czyszczon1_15, Daikon_13, DoctorDiddles_15, DrDrey_15, Dumbo_14, Dusk_14, Easy2Say_15, Elite2014_13, Elph10_15, Emmina_14, Eureka_15, FairyPath_15, Filch_15, FireRed_14, Flypotenuse_13, FoghornLeghorn_14, Gage_16, Gator_13, Gemini_16, Glexan_13, Goku_15, GoldenSpark_16, Goldilocks_16, GooberAzure_16, Greep_15, HanKaySha_15, Harella_13, Henry_15, Highbury_15, Holt_16, Hoonter_16, Hopey_15, HufflyPuff_13, IHOP_14, Icee_14, Inca_14, JeTaime_16, Kanye_16, Kimchi_16, Kostya_15, Lilac_16, Lilizi_16, Lilpickle_13, Livelaughbron_14, MISSy_14, MPhalcon_14, MadamMonkfish_14, Manda_15, Marshmallow_15, Maxxinista_15, Mindy_15, Miniwave_15, Misfit_14, Moldemort_15, MollyToe_15, Mosby_14, Murica_13, Murphy_14, Myrale_15, Nala_14, NelitzaMV_15, Nimrod_14, NoSleep_15, NonchalantPear_14, OrionPax_15, PaddyBaddy_15, Palpatine_14, Paperbeatsrock_16, Pat3_14, Petra64142_15, Phaja_14, Pharsalus_15, PhatBacter_14, Phaux_13, Phrux_14, Policronamos_14, Porky_13, Ptowny_14, Pumpkin_15, Quallification_16, Rakim_16, Rimmer_14, RiverMonster_14, Saints25_15, Sassay_14, ShamWow_15, ShereKhan_16, Simpliphy_15, SirDuracell_14, SophKB_15, Sotrice96_15, Stank_16, Stark_15, StellaBean_15, StolenFromERC_16, StormChicken_15, TBrady12_16, Tarkin_16, TeamEdward_15, TeardropMSU_14, Teaspoon_14, Terminus_14, Thimble_15, Thresher_15, Tomaszewski_14, Toto_15, Traaww1_13, Tuco_15, Ukulele_14, Wiggin_16, Willez_14, Xandras_16, YassJohnny_15, Youngblood_14, xkcd_15,

Genes that have the "Most Annotated" start but do not call it:
• Amelia_10, BadWillHunting_10, Bedetta_10, Bibble12_10, Colusalem_9, Coral_9, Cote_10, Damocles_10, Daob_10, Dardanus_14, GramZayde_9, HannahPhantana_10, Jerole_10, Kepler_9, Lunar_10, Melons_10, OtsoOtso_9, PhirstandPhine_10, Pineda_10, Polka_9,

Genes that do not have the "Most Annotated" start:
• Abidatro_9, Abigail_8, AdoptaAdorbs_8, Aggie_8, Agueybana_8, Akino08_8, Alatato_7, Albanese_11, Albedo_8, Albright_8, Aledel_7, AlexMinion_8, Alkhayr_41, Altostratus_7, AlumE_8, Amanises_10, AmiCi24_8, Amphitrite_8, Anatole_8,

Andies_8, Andrew_9, AnnaLie_9, Antonio_8, Antrice_9, Aoka_9, AppleCider_11, Applejacks_7, Archimedes_6, Ariel_23, Armstrong_7, Arroyo_9, Ashwin_42, Atlantica_8, AuntGwenStacy_15, AustinPowers_7, AvGardian_8, Avocadoman_8, AylexOG_9, Azaz_8, B3_8, BAKA_22, BAjuniper_8, BFK20_ORF8, BabeRuth_8, Babsiella_9, Babushka_8, BabyDaisy_9, BabyYoda_8, Bachaco_8, Bagrid_23, Banquo_16, Basilisk_9, BatStarr_8, Beem_25, Beethoven_11, BelmontSKP_9, Bengal_8, Bennie_7, Bernstein_7, Bialota_8, BigMack_7, Bipper_15, Blessica_42, Bluvara_9, Bobby_26, Bodacious_7, Bombitas_22, Bora_38, Bosection6_8, Bosnia_8, BoyNamedSue_8, Brahms_7, BrayBeast_8, BronnyJames_17, BrotherBLo_11, Brujita_9, Brynnie_9, BubbaBear_8, Buldak_8, Bunnybear_8, Burritobowl_8, Butters_8, CallieOMalley_11, Camara_8, CanFranMach_8, Canowicakte_11, Carcharodon_8, Carpal_11, Cashington_8, Catdawg_41, Catfish_11, Celaena_8, Charlie_8, Che9c_8, ChewChew_7, Chewbacca_8, Chickaboom_8, Chicken_9, ChiliPepper_8, Cholula_11, Chridison_7, Christian_7, Clayda5_7, CliffHanger_9, CocoCinnamon_11, Coltrane_7, Constella_20, Corndog_43, Courthouse_23, Cracklewink_15, CristinaYang_7, CroZenni_8, Cubone_8, CupcakePrincess_8, Cygnet_9, Daiboju_7, Dallas_25, DanHam62_8, DearBasketball_8, DickRichards_8, Didgeridoo_9, Dillpickles_8, DinoDaryn_14, DinoNuggs_9, Dino_11, DirtyBubble_8, Dismas_8, DmpstrDiver_24, DonkeyMan_8, Doobus_8, Dove_23, DrRobert_7, DreamTeam_7, Duke13_22, Duplicity_8, Dylan_40, E1_8, EGUnicorn_8, Eden_7, Eesa_9, Ejimix_26, Elener_10, Elva_9, EricMillard_25, EstebanJulior_7, Eudoria_8, Eula_8, Eunoia_7, EvenBluerMoon_9, Eviarto_8, Eyre_8, Faith5x5_8, Faiyaz_15, Familton_42, Finalfrontier_9, Fingolfin_8, Firecracker_41, FlameThrower_8, Fluke_11, FoulBall_41, Franklin22_7, Frizzle_6, Fulbright_8, Gack_7, Galaxy_9, Gex_8, Ghobes_6, Gibbzilla_8, Gisselle_7, Glenn_11, Glotell_8, Goib_13, Gonephishing_21, Gravel_10, Graynor_11, GreenHearts_11, Greenhouse_11, Grist_8, Gsput1_10, Gudmit_9, Gustav_7, HC_09, Halley_25, HamCheese_8, Hanako_8, Hannaconda_20, HeadNerd_7, Heinz_8, Herb_7, Hereford_10, Herod_8, Hibiscus_8, Hidrated_24, Hilltopfarm_15, HokkenD_20, Huckleberry_7, Huffy_14, Hughesyang_24, Hugley_8, HunterDalle_7, Huntingdon_11, Hyzer_8, Icarian_9, Idergollasper_41, Imara_41, Immaculata_11, Impisi_8, IndyLu_8, Island3_9, Jabb_8, Jamie19_8, Jamun_9, JanetJ_9, JangDynasty_41, JeanClaude_8, Joann_11, Johnathan_8, Jojo24_8, Journey_8, Jovita_8, JuicyJay_27, Jumboset_11, Juno112_8, KHumphrey_8, Kalah2_26, Kalizoi_11, Kamdara_8, KashFlow_17, Kate33_8, Katzastrophic_8, KendraB23_10, Kenzers_8, Kevin1_8, Khuang_7, Kieran_8, KingBob_7, KingPhillip3_41, Kita_8, Kittykat_7, Klein_25, Korra_11, Krili_40, Kuleana_9, Kumotta_9, Lahqtemish_8, Lakshmi_11, Laphuphu24k_8, Lasagna_7, Lennox_7, Leona_8, LilStuart_7, Lilo27_8, LimaBean_8, Litotes_11, LittleE_23, LittleTokyo_9, Loviatar_8, Lton_8, Lucky2013_23, Lucy_7, Lynlen_8, MadKillah_42, Madavieve_8, Madeline_8, Magsby_8, Mahdia_7, Maja_8, Makoto_7, MamaPearl_7, Manasvini_8, MargaretKali_9, Maria1952_7, Maridalia_8, Marleymoo_26, Mcklovin_9, MeganNoll_11, Melville_8, MiaZeal_23, MichelleMyBell_8, Milomuff_9, Minerva_25, Misaeng_11, Moki_7, MooMoo_7, Moosehead_8, Mori_40, Morrey_13, Morrissey_7, MrBoss_11, MrGloopy_11, MsUbiquitous_8, Murai_41, Nancia_7, Nekros_23, Nenae_8, Neobush_8, Niblet_9, Nibley_18, Nicky22_9, NiebruSaylor_40, NihilNomen_24, NoSwimming_10, Nubia_11, Nymphadora_8, OMalley_7, Odette_24, Olliecat_8, Omega_25, OneDirection_8, Oppalora_8, Optimus_23, Orcanus_9, OurGirlNessie_7, Oxynfrius_11, PaintedDog_8, Panchino_8, Parmesanjohn_8, PartyCup_11, PastaFagioli_8, Pecas_8, Pelletreau_10, Pepperoni_8, PhancyPhin_8, PhigPhack_8, Philonius_8, Phisb_8, Phloss_8, PhluffyCoco_8, Phoebus_25, Phrann_8, Pigu_7, PinkFriday_7, Pipsqueaks_8, PitaDog_7, Polly_8, PondAmelia_9, Porcelain_23, Potatoes_11, Pound_25, PrairieDogTown_9, Preamble_7,

Pterodactyl_7, Pumancara_7, Puppers_7, Purgamenstris_8, QMacho_9, QueenHazel_9, Quenya_9, RAP15_11, Rattail_8, RavenCo17_8, Raymond7_8, RcigaStruga_11, Rearden_20, Rebel_8, RedFox_8, Redi_8, Redno2_24, Renna12_9, Reyja_9, Riovina_7, Riverdale_11, Rollins_7, Rona_8, RootBeer_8, Rooter_7, Rozby_11, Rubeelu_8, Ruchi_9, Ryadel_45, SanaSana_9, SansAfet_8, Santhid_8, Sapo_6, SarBear_8, Sarge_8, Savage2526_11, Sbash_8, Schatzie_23, Schmidt_10, Schnauzer_8, SchoolBus_41, Schuy_42, Scitech_8, Scotia_10, Scuttle_11, Sergei_7, Shaboozey_17, Sharkboy_8, Shayna_7, Shen_10, Shida_41, Shoya_7, ShrimpFriedEgg_8, Shweta_8, Silvafighter_8, Silvy_8, SirBeanington_8, SkinnyPete_8, Skylord_7, Slay_8, Smooch_43, Smurph_8, Snekmaggedon_8, Softsoap_8, Solea_9, Spinach_8, Splinter_12, SpongeBob_8, Squint_22, Squircle_8, Stoor_8, Stromboli_8, StuartMinion_8, Stuck_8, SunnyD_7, Supakev_7, Superphikiman_23, Suppi_11, Suscepit_8, SushiChef_8, Swervy_8, TZGordon_14, Tapioca_8, Tarzan_8, TattModd_11, TaylorSipht_9, Tayonia_8, Teagster_7, TelAviv_38, Temper16_7, Tessdabest_7, ThankyouJordi_8, Thibault_21, ThreeRngTarjay_24, TimTam_8, TinaLin_15, Toad24_10, Tortoise12_8, Trine_7, Trumpet_8, TukTuk_8, Typha_15, Upyo_7, Urla_7, Vagabond_41, Vallejo_11, Vendetta_12, Vitas_7, Vorrps_40, Vulpecula_9, Vulture_7, WalkingDead_8, Wanda_26, Wawa_11, Wayne_11, WelcomeAyanna_8, Westrich_10, Widow_7, Wildflower_41, WileyE_8, Winget_42, Wogge42_40, WonderBoy_7, WorMMAs_7, Xeno_8, Xerxes_8, Xiaokay_22, Xula_8, Yeet_23, YoyoKar_39, YungJamal_44, Zakhe101_41, Zameen_8, Zebo_41, Zelink_26, Zhuangyuan_10, Zirinka_8, Zixiang_9, Zorro_11,

Summary by start number:

Start 14:
• Found in 69 of 646 (10.7%) of genes in pham
• Manual Annotations of this start: 56 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abidatro_9 (AS1), AdoptaAdorbs_8 (AS3), AlexMinion_8 (AS3), Amanises_10 (AS1), Amelia_10 (AS2), AmiCi24_8 (AS3), Amphitrite_8 (AS3), Andrew_9 (AS3), Antrice_9 (AS2), Atlantica_8 (AS3), Azaz_8 (AS3), Babushka_8 (AS3), BadWillHunting_10 (AS2), Basilisk_9 (AS1), Bedetta_10 (AS2), Bibble12_10 (AS2), Brynnie_9 (AS1), Camara_8 (AS3), Chickaboom_8 (AS1), Chicken_9 (AS1), Colusalem_9 (AS2), Coral_9 (AS2), Cote_10 (AS2), Cygnet_9 (AS2), Damocles_10 (AS2), DanHam62_8 (AS3), Daob_10 (AS2), Eesa_9 (AS1), Fingolfin_8 (AS3), Galaxy_9 (AS1), Glotell_8 (AS3), GramZayde_9 (AS2), Gravel_10 (AS1), HamCheese_8 (AS3), HannahPhantana_10 (AS2), Jamun_9 (AS1), Jerole_10 (AS2), Juno112_8 (AS3), KHumphrey_8 (AS3), KendraB23_10 (AS1), Kepler_9 (AS2), Kuleana_9 (AS2), Laphuphu24k_8 (AS3), Leona_8 (AS3), LittleTokyo_9 (AS2), Lunar_10 (AS2), Melons_10 (AS2), Niblet_9 (AS1), Oppalora_8 (AS3), Orcanus_9 (AS1), OtsoOtso_9 (AS2), Pelletreau_10 (AS1), PhirstandPhine_10 (AS2), PhluffyCoco_8 (AS3), Pineda_10 (AS2), Polka_9 (AS2), Rattail_8 (AS3), RedFox_8 (AS3), Renna12_9 (AS3), Ruchi_9 (AS1), Shen_10 (AS1), StuartMinion_8 (AS3), TaylorSipht_9 (AS1), Toad24_10 (AS1), Vulpecula_9 (AS1), Westrich_10 (AS1), WileyE_8 (AS1), Zhuangyuan_10 (AS2), Zixiang_9 (AS1),

Start 16:
• Found in 1 of 646 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gibbzilla_8 (FB),

Start 19:
• Found in 1 of 646 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WorMMAs_7 (UNK),

Start 21:
• Found in 77 of 646 (11.9%) of genes in pham
• Manual Annotations of this start: 52 of 587
• Called 67.5% of time when present
• Phage (with cluster) where this start called: Albanese_11 (AK), Aledel_7 (AK), AustinPowers_7 (AK), Beethoven_11 (AK), Bennie_7 (AK), BrotherBLo_11 (AK), Carpal_11 (AK), ChewChew_7 (AK), Cholula_11 (AK), Chridison_7 (AK), Christian_7 (AK), Dino_11 (AK), DrRobert_7 (AK), Fluke_11 (AK), GreenHearts_11 (AK), HeadNerd_7 (AK), HunterDalle_7 (AK), Huntingdon_11 (AK), Immaculata_11 (AK), Joann_11 (AK), Jumboset_11 (AK), Kalizoi_11 (AK), Kittykat_7 (AK), Lakshmi_11 (AK), Lennox_7 (AK), LilStuart_7 (AK), Lucy_7 (AK), Makoto_7 (AK), Maria1952_7 (AK), MeganNoll_11 (AK), Misaeng_11 (AK), Moki_7 (AK), MrGloopy_11 (AK), Nancia_7 (AK), OMalley_7 (AK), OurGirlNessie_7 (AK), PinkFriday_7 (AK), PitaDog_7 (AK), Potatoes_11 (AK), Preamble_7 (AK), Pterodactyl_7 (AK), Pumancara_7 (AK), RAP15_11 (AK), RcigaStruga_11 (AK), Riverdale_11 (AK), Rozby_11 (AK), Savage2526_11 (AK), Supakev_7 (AK), TattModd_11 (AK), Urla_7 (AK), Vulture_7 (AK), Wawa_11 (AK),

Start 22:
• Found in 1 of 646 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elener_10 (singleton),

Start 23:
• Found in 9 of 646 (1.4%) of genes in pham
• Manual Annotations of this start: 7 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AppleCider_11 (AK), CallieOMalley_11 (AK), Canowicakte_11 (AK), Graynor_11 (AK), Litotes_11 (AK), MrBoss_11 (AK), PartyCup_11 (AK), Suppi_11 (AK), Wayne_11 (AK),

Start 24:
• Found in 77 of 646 (11.9%) of genes in pham
• Manual Annotations of this start: 25 of 587
• Called 32.5% of time when present
• Phage (with cluster) where this start called: BigMack_7 (AK), Bodacious_7 (AK), CristinaYang_7 (AK), Daiboju_7 (AK), DreamTeam_7 (AK), EstebanJulior_7 (AK), Eunoia_7 (AK), Gisselle_7 (AK), Glenn_11 (AK), Greenhouse_11 (AK), Herb_7 (AK), Huckleberry_7 (AK), KingBob_7 (AK), Korra_11 (AK), Lasagna_7 (AK), MamaPearl_7 (AK), Nubia_11 (AK), Oxynfrius_11 (AK), Riovina_7 (AK), Scuttle_11 (AK), Sergei_7 (AK), Temper16_7 (AK), Vallejo_11 (AK), WonderBoy_7 (AK), Zorro_11 (AK),

Start 25:
• Found in 1 of 646 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 587

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trine_7 (CD),

Start 26:
• Found in 1 of 646 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Applejacks_7 (CD),

Start 27:
• Found in 10 of 646 (1.5%) of genes in pham
• Manual Annotations of this start: 4 of 587
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Gsput1_10 (CU2), JeanClaude_8 (FB), Pigu_7 (FB), Rooter_7 (FB), Sarge_8 (FB), Shoya_7 (FB),

Start 28:
• Found in 4 of 646 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_6 (DA), Frizzle_6 (DA), Ghobes_6 (DA), Sapo_6 (DA),

Start 29:
• Found in 1 of 646 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Morrissey_7 (CD),

Start 30:
• Found in 21 of 646 (3.3%) of genes in pham
• Manual Annotations of this start: 14 of 587
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Alatato_7 (FB), Aoka_9 (FO), BrayBeast_8 (FB), CocoCinnamon_11 (FO), EvenBluerMoon_9 (FO), Gustav_7 (CD), Hereford_10 (FO), JanetJ_9 (FO), Mahdia_7 (CD), Maja_8 (FO), Morrey_13 (FO), PrairieDogTown_9 (FO), Puppers_7 (CD), Upyo_7 (CD), Widow_7 (CD),

Start 32:
• Found in 107 of 646 (16.6%) of genes in pham
• Manual Annotations of this start: 91 of 587
• Called 88.8% of time when present
• Phage (with cluster) where this start called: Abigail_8 (EB), Akino08_8 (EB), Albedo_8 (EB), Albright_8 (EB), AnnaLie_9 (EB), Ariel_23 (J), Armstrong_7 (EB), Arroyo_9 (EB), AvGardian_8 (EB), Avocadoman_8 (EB), AylexOG_9 (EB), BAjuniper_8 (EB), BabyDaisy_9 (EB), BabyYoda_8 (EB), Bachaco_8 (EB), BelmontSKP_9 (EB), Bengal_8 (EB), Bernstein_7 (EB), Brahms_7 (EB), BubbaBear_8 (EB), Buldak_8 (EB), Burritobowl_8 (EB), CanFranMach_8 (EB), Cashington_8 (EB), Celaena_8 (EB), ChiliPepper_8 (EB), Clayda5_7 (EB), CliffHanger_9 (EB), Coltrane_7 (EB), Courthouse_23 (J), CroZenni_8 (EB), CupcakePrincess_8 (EB), DickRichards_8 (EB), Didgeridoo_9 (EB), DirtyBubble_8 (EB), Dismas_8 (EB), Doobus_8 (EB), Eden_7 (EB), Elva_9 (EB), Eula_8 (EB), Finalfrontier_9 (EB), FlameThrower_8 (EB), Franklin22_7 (EB), Gack_7 (EB), Grist_8

(EB), Icarian_9 (EB), IndyLu_8 (EB), Jabb_8 (EB), Johnathan_8 (EB), Jovita_8 (EB), Kamdara_8 (EB), Kate33_8 (EB), Katzastrophic_8 (EB), Kenzers_8 (EB), Kieran_8 (EB), Lahqtemish_8 (EB), Lilo27_8 (EB), LimaBean_8 (EB), LittleE_23 (J), Loviatar_8 (EB), Lucky2013_23 (J), Lynlen_8 (EB), MiaZeal_23 (J), Milomuff_9 (EB), MsUbiquitous_8 (EB), Nicky22_9 (EB), Olliecat_8 (EB), PastaFagioli_8 (EB), Pecas_8 (EB), PhigPhack_8 (EB), Phisb_8 (EB), PondAmelia_9 (EB), QMacho_9 (EB), Quenya_9 (EB), Rollins_7 (EB), Rona_8 (EB), SanaSana_9 (EB), SansAfet_8 (EB), SarBear_8 (EB), Sharkboy_8 (EB), Shayna_7 (EB), SirBeanington_8 (EB), Skylord_7 (EB), Slay_8 (EB), Softsoap_8 (EB), Solea_9 (EB), Squircle_8 (EB), Stoor_8 (EB), Stromboli_8 (EB), SunnyD_7 (EB), Swervy_8 (EB), Teagster_7 (EB), TukTuk_8 (EB), Vitas_7 (EB), WalkingDead_8 (EB),

Start 33:
• Found in 2 of 646 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NoSwimming_10 (FO), Scotia_10 (FO),

Start 34:
• Found in 52 of 646 (8.0%) of genes in pham
• Manual Annotations of this start: 36 of 587
• Called 88.5% of time when present
• Phage (with cluster) where this start called: BAKA_22 (J), Bagrid_23 (J), Beem_25 (J), Bobby_26 (J), Bombitas_22 (J), BronnyJames_17 (J), Constella_20 (J), Dallas_25 (J), DmpstrDiver_24 (J), Dove_23 (J), Duke13_22 (J), Ejimix_26 (J), EricMillard_25 (J), Gonephishing_21 (J), Halley_25 (J), Hannaconda_20 (J), Hidrated_24 (J), HokkenD_20 (J), Hughesyang_24 (J), JuicyJay_27 (J), Kalah2_26 (J), KashFlow_17 (J), Klein_25 (J), Marleymoo_26 (J), Minerva_25 (J), Nekros_23 (J), Nibley_18 (J), NihilNomen_24 (J), Odette_24 (J), Omega_25 (J), Optimus_23 (J), Phoebus_25 (J), Porcelain_23 (J), Pound_25 (J), Rearden_20 (J), Redno2_24 (J), Schatzie_23 (J), Shaboozey_17 (J), Squint_22 (J), Superphikiman_23 (J), Thibault_21 (J), ThreeRngTarjay_24 (J), Wanda_26 (J), Xiaokay_22 (J), Yeet_23 (J), Zelink_26 (J),

Start 35:
• Found in 2 of 646 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Catfish_11 (CU5), Schmidt_10 (CU4),

Start 36:
• Found in 3 of 646 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anatole_8 (BV), B3_8 (BV), E1_8 (BV),

Start 37:
• Found in 46 of 646 (7.1%) of genes in pham
• Manual Annotations of this start: 39 of 587
• Called 93.5% of time when present
• Phage (with cluster) where this start called: Alkhayr_41 (O), Ashwin_42 (O), Babsiella_9 (I1), Blessica_42 (O), Bluvara_9 (I3), Bora_38 (O), Corndog_43 (O), Dylan_40 (O), Familton_42 (O), Firecracker_41 (O), FoulBall_41 (O), HC_09 (I1),

Idergollasper_41 (O), Imara_41 (O), Island3_9 (I1), JangDynasty_41 (O), KingPhillip3_41 (O), Krili_40 (O), MadKillah_42 (O), MooMoo_7 (singleton), Mori_40 (O), Murai_41 (O), NiebruSaylor_40 (O), PaintedDog_8 (I1), QueenHazel_9 (I1), Ryadel_45 (O), Sbash_8 (I2), SchoolBus_41 (O), Schuy_42 (O), Shida_41 (O), Smooch_43 (O), Stuck_8 (I2), TelAviv_38 (O), Vagabond_41 (O), Vorrps_40 (O), Wildflower_41 (O), Winget_42 (O), Wogge42_40 (O), Xula_8 (I1), YoyoKar_39 (O), YungJamal_44 (O), Zakhe101_41 (O), Zebo_41 (O),

Start 38:
• Found in 51 of 646 (7.9%) of genes in pham
• Manual Annotations of this start: 43 of 587
• Called 92.2% of time when present
• Phage (with cluster) where this start called: Agueybana_8 (CZ1), AlumE_8 (CZ1), Antonio_8 (CZ1), Banquo_16 (CU1), BatStarr_8 (CZ1), Bialota_8 (CZ1), Bosnia_8 (CZ1), BoyNamedSue_8 (CZ1), Bunnybear_8 (CZ), Dardanus_14 (CU3), Dillpickles_8 (CZ1), DinoDaryn_14 (CU1), Eudoria_8 (CZ1), Eviarto_8 (CZ1), Eyre_8 (singleton), Faith5x5_8 (CZ6), Goib_13 (CU1), Gudmit_9 (singleton), Herod_8 (CZ1), Huffy_14 (CU1), Hugley_8 (CZ1), Hyzer_8 (CZ1), Kita_8 (CZ1), Lton_8 (CZ), Madavieve_8 (CZ1), Madeline_8 (CZ1), Manasvini_8 (CZ1), Maridalia_8 (CZ1), Mcklovin_9 (CZ4), Moosehead_8 (CZ6), Neobush_8 (CZ1), Nymphadora_8 (CZ1), OneDirection_8 (CZ6), Pepperoni_8 (CZ), Polly_8 (CZ1), RavenCo17_8 (CZ8), Suscepit_8 (CZ1), SushiChef_8 (CZ), TZGordon_14 (CU1), Tayonia_8 (CZ1), ThankyouJordi_8 (CZ1), TimTam_8 (CZ1), TinaLin_15 (CU1), Trumpet_8 (CZ1), WelcomeAyanna_8 (CZ1), Zameen_8 (CZ1), Zirinka_8 (CZ1),

Start 39:
• Found in 9 of 646 (1.4%) of genes in pham
• Manual Annotations of this start: 7 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DearBasketball_8 (DY), DinoNuggs_9 (DY), DonkeyMan_8 (DY), Heinz_8 (DY), Hibiscus_8 (DY), Jojo24_8 (DY), Reyja_9 (DY), Santhid_8 (DY), Tarzan_8 (DY),

Start 40:
• Found in 1 of 646 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BFK20_ORF8 (singleton),

Start 41:
• Found in 166 of 646 (25.7%) of genes in pham
• Manual Annotations of this start: 135 of 587
• Called 88.0% of time when present
• Phage (with cluster) where this start called: 244_15 (E), ABCat_14 (E), Adnama_16 (E), Amao_15 (E), AmericanBeauty_16 (E), Argent26_16 (E), Asriel_14 (E), BaboJay_14 (E), BadStone_14 (E), Balomoji_14 (E), Barbarian_14 (E), Bask21_14 (E), Becksu_14 (E), Bench_16 (E), BigBubba_14 (E), BilboSwaggins_15 (E), Bogg_15 (E), Brewer_14 (E), Bruin_14 (E), Buck_14 (E), Budgie_16 (E), BugsBunny_12 (E), Cactus_16 (E), ChosenOne_13 (E), ChotaBhai_14 (E), Chymera_9 (singleton), Cjw1_14 (E), Command613_16 (E), Contagion_14 (E), Cookies_15 (E), CrystalP_15 (E), Czyszczon1_15 (E), Daikon_13 (E), DoctorDiddles_15 (E), DrDrey_15 (E), Dumbo_14 (E), Dusk_14 (E), Easy2Say_15 (E), Elite2014_13 (E), Elph10_15 (E), Emmina_14 (E), Eureka_15 (E), FairyPath_15

(E), Filch_15 (E), FireRed_14 (E), Flypotenuse_13 (E), FoghornLeghorn_14 (E), Gage_16 (E), Gator_13 (E), Gemini_16 (E), Glexan_13 (E), Goku_15 (E), GoldenSpark_16 (E), Goldilocks_16 (E), GooberAzure_16 (E), Greep_15 (E), HanKaySha_15 (E), Harella_13 (E), Henry_15 (E), Highbury_15 (E), Holt_16 (E), Hoonter_16 (E), Hopey_15 (E), HufflyPuff_13 (E), IHOP_14 (E), Icee_14 (E), Inca_14 (E), JeTaime_16 (E), Kanye_16 (E), Kimchi_16 (E), Kostya_15 (E), Lilac_16 (E), Lilizi_16 (E), Lilpickle_13 (E), Livelaughbron_14 (E), MISSy_14 (E), MPhalcon_14 (E), MadamMonkfish_14 (E), Manda_15 (E), Marshmallow_15 (E), Maxxinista_15 (E), Mindy_15 (E), Miniwave_15 (E), Misfit_14 (E), Moldemort_15 (E), MollyToe_15 (E), Mosby_14 (E), Murica_13 (E), Murphy_14 (E), Myrale_15 (E), Nala_14 (E), NelitzaMV_15 (E), Nimrod_14 (E), NoSleep_15 (E), NonchalantPear_14 (E), OrionPax_15 (E), PaddyBaddy_15 (E), Palpatine_14 (E), Paperbeatsrock_16 (E), Pat3_14 (E), Petra64142_15 (E), Phaja_14 (E), Pharsalus_15 (E), PhatBacter_14 (E), Phaux_13 (E), Phrux_14 (E), Policronamos_14 (E), Porky_13 (E), Ptowny_14 (E), Pumpkin_15 (E), Quallification_16 (E), Rakim_16 (E), Rimmer_14 (E), RiverMonster_14 (E), Saints25_15 (E), Sassay_14 (E), ShamWow_15 (E), ShereKhan_16 (E), Simpliphy_15 (E), SirDuracell_14 (E), SophKB_15 (E), Sotrice96_15 (E), Stank_16 (E), Stark_15 (E), StellaBean_15 (E), StolenFromERC_16 (E), StormChicken_15 (E), TBrady12_16 (E), Tarkin_16 (E), TeamEdward_15 (E), TeardropMSU_14 (E), Teaspoon_14 (E), Terminus_14 (E), Thimble_15 (E), Thresher_15 (E), Tomaszewski_14 (E), Toto_15 (E), Traaww1_13 (E), Tuco_15 (E), Ukulele_14 (E), Wiggin_16 (E), Willez_14 (E), Xandras_16 (E), YassJohnny_15 (E), Youngblood_14 (E), xkcd_15 (E),

Start 42:
• Found in 30 of 646 (4.6%) of genes in pham
• Manual Annotations of this start: 2 of 587
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Catdawg_41 (O), Kumotta_9 (FB),

Start 43:
• Found in 11 of 646 (1.7%) of genes in pham
• Manual Annotations of this start: 8 of 587
• Called 72.7% of time when present
• Phage (with cluster) where this start called: Altostratus_7 (FS), AuntGwenStacy_15 (Y), Bipper_15 (Y), Cracklewink_15 (Y), Faiyaz_15 (Y), Hilltopfarm_15 (Y), Khuang_7 (FS), Typha_15 (Y),

Start 44:
• Found in 11 of 646 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 9.1% of time when present
• Phage (with cluster) where this start called: MargaretKali_9 (FB),

Start 51:
• Found in 11 of 646 (1.7%) of genes in pham
• Manual Annotations of this start: 2 of 587
• Called 18.2% of time when present
• Phage (with cluster) where this start called: Brujita_9 (I1), Che9c_8 (I2),

Start 55:
• Found in 19 of 646 (2.9%) of genes in pham
• Manual Annotations of this start: 2 of 587

• Called 10.5% of time when present
• Phage (with cluster) where this start called: Splinter_12 (CU1), Vendetta_12 (CU1),

Start 58:
• Found in 50 of 646 (7.7%) of genes in pham
• Manual Annotations of this start: 47 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aggie_8 (N), Andies_8 (N), BabeRuth_8 (N), Bosection6_8 (N), Butters_8 (N), Carcharodon_8 (N), Charlie_8 (N), Chewbacca_8 (N), Cubone_8 (N), Duplicity_8 (N), EGUnicorn_8 (N), Fulbright_8 (N), Gex_8 (N), Hanako_8 (N), Impisi_8 (N), Jamie19_8 (N), Journey_8 (N), Kevin1_8 (N), Magsby_8 (N), Melville_8 (N), MichelleMyBell_8 (N), Nenae_8 (N), Panchino_8 (N), Parmesanjohn_8 (N), PhancyPhin_8 (N), Philonius_8 (N), Phloss_8 (N), Phrann_8 (N), Pipsqueaks_8 (N), Purgamenstris_8 (N), Raymond7_8 (N), Rebel_8 (N), Redi_8 (N), Rubeelu_8 (N), Schnauzer_8 (N), Scitech_8 (N), ShrimpFriedEgg_8 (N), Shweta_8 (N), Silvafighter_8 (N), Silvy_8 (N), SkinnyPete_8 (N), Smurph_8 (N), Snekmaggedon_8 (N), Spinach_8 (N), SpongeBob_8 (N), Tapioca_8 (N), Tessdabest_7 (N), Tortoise12_8 (N), Xeno_8 (N), Xerxes_8 (N),

Start 76:
• Found in 27 of 646 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 3.7% of time when present
• Phage (with cluster) where this start called: RootBeer_8 (FA),

Summary by clusters:

There are 33 clusters represented in this pham: singleton, FS, UNK, CZ1, CZ6, CZ8, CZ4, DA, FA, FB, DY, FO, CU5, CU4, CU3, CU2, CU1, I1, I3, I2, AS3, AS2, AS1, E, AK, J, O, N, CZ, Y, CD, EB, BV,

Info for manual annotations of cluster AK:
•Start number 21 was manually annotated 52 times for cluster AK.
•Start number 23 was manually annotated 7 times for cluster AK.
•Start number 24 was manually annotated 25 times for cluster AK.

Info for manual annotations of cluster AS1:
•Start number 14 was manually annotated 18 times for cluster AS1.

Info for manual annotations of cluster AS2:
•Start number 14 was manually annotated 19 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 14 was manually annotated 19 times for cluster AS3.

Info for manual annotations of cluster BV:
•Start number 36 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster CD:
•Start number 25 was manually annotated 1 time for cluster CD.
•Start number 29 was manually annotated 1 time for cluster CD.
•Start number 30 was manually annotated 5 times for cluster CD.

Info for manual annotations of cluster CU1:
•Start number 38 was manually annotated 6 times for cluster CU1.
•Start number 55 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 38 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 35 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 35 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CZ:
•Start number 38 was manually annotated 3 times for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 38 was manually annotated 26 times for cluster CZ1.

Info for manual annotations of cluster CZ4:
•Start number 38 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ6:
•Start number 38 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ8:
•Start number 38 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:
•Start number 28 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DY:
•Start number 39 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster E:
•Start number 41 was manually annotated 134 times for cluster E.

Info for manual annotations of cluster EB:
•Start number 32 was manually annotated 86 times for cluster EB.

Info for manual annotations of cluster FA:
•Start number 76 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster FB:
•Start number 16 was manually annotated 1 time for cluster FB.
•Start number 27 was manually annotated 4 times for cluster FB.
•Start number 30 was manually annotated 2 times for cluster FB.
•Start number 42 was manually annotated 1 time for cluster FB.
•Start number 44 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FO:
•Start number 30 was manually annotated 7 times for cluster FO.

•Start number 33 was manually annotated 2 times for cluster FO.

Info for manual annotations of cluster FS:
•Start number 43 was manually annotated 2 times for cluster FS.

Info for manual annotations of cluster I1:
•Start number 37 was manually annotated 5 times for cluster I1.
•Start number 51 was manually annotated 1 time for cluster I1.

Info for manual annotations of cluster I2:
•Start number 37 was manually annotated 2 times for cluster I2.
•Start number 51 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster J:
•Start number 32 was manually annotated 5 times for cluster J.
•Start number 34 was manually annotated 36 times for cluster J.

Info for manual annotations of cluster N:
•Start number 58 was manually annotated 47 times for cluster N.

Info for manual annotations of cluster O:
•Start number 37 was manually annotated 31 times for cluster O.
•Start number 42 was manually annotated 1 time for cluster O.

Info for manual annotations of cluster Y:
•Start number 43 was manually annotated 6 times for cluster Y.

Gene Information:

Gene: 244_15 Start: 8901, Stop: 9467, Start Num: 41
Candidate Starts for 244_15:
(Start: 41 @8901 has 135 MA's), (83, 9039), (112, 9129), (115, 9138), (155, 9258), (161, 9285), (186, 9351),

Gene: ABCat_14 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for ABCat_14:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: Abidatro_9 Start: 7106, Stop: 7693, Start Num: 14
Candidate Starts for Abidatro_9:
(Start: 14 @7106 has 56 MA's), (75, 7286), (92, 7352), (98, 7370), (106, 7391), (116, 7406), (123, 7427), (179, 7568), (193, 7598),

Gene: Abigail_8 Start: 6884, Stop: 7444, Start Num: 32
Candidate Starts for Abigail_8:
(Start: 32 @6884 has 91 MA's), (78, 7031), (81, 7037), (87, 7061), (103, 7118), (165, 7271), (168, 7280), (196, 7343), (228, 7412),

Gene: Adnama_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Adnama_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: AdoptaAdorbs_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for AdoptaAdorbs_8:
(Start: 14 @6714 has 56 MA's), (70, 6861), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Aggie_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Aggie_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Agueybana_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Agueybana_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Akino08_8 Start: 7012, Stop: 7563, Start Num: 32
Candidate Starts for Akino08_8:
(Start: 32 @7012 has 91 MA's), (78, 7159), (87, 7189), (94, 7222), (100, 7237), (147, 7339), (165, 7390), (196, 7462), (209, 7489),

Gene: Alatato_7 Start: 6037, Stop: 6552, Start Num: 30
Candidate Starts for Alatato_7:
(Start: 27 @6034 has 4 MA's), (Start: 30 @6037 has 14 MA's), (Start: 44 @6067 has 1 MA's), (Start: 55 @6094 has 2 MA's), (63, 6130), (81, 6202), (89, 6232), (111, 6292), (119, 6310), (142, 6352), (144, 6355), (147, 6361), (160, 6400),

Gene: Albanese_11 Start: 9268, Stop: 9846, Start Num: 21
Candidate Starts for Albanese_11:
(Start: 21 @9268 has 52 MA's), (Start: 24 @9277 has 25 MA's), (47, 9322), (77, 9439), (81, 9451), (83, 9457), (98, 9520), (113, 9547), (147, 9631), (150, 9637), (160, 9667), (179, 9715), (193, 9745), (238, 9838),

Gene: Albedo_8 Start: 6756, Stop: 7316, Start Num: 32
Candidate Starts for Albedo_8:
(Start: 32 @6756 has 91 MA's), (49, 6789), (78, 6903), (81, 6909), (87, 6933), (103, 6990), (109, 6999), (145, 7089), (196, 7215), (228, 7284),

Gene: Albright_8 Start: 6765, Stop: 7325, Start Num: 32
Candidate Starts for Albright_8:
(Start: 32 @6765 has 91 MA's), (78, 6912), (81, 6918), (87, 6942), (103, 6999), (165, 7152), (168, 7161), (196, 7224), (228, 7293),

Gene: Aledel_7 Start: 6342, Stop: 6923, Start Num: 21
Candidate Starts for Aledel_7:
(Start: 21 @6342 has 52 MA's), (Start: 24 @6351 has 25 MA's), (47, 6396), (60, 6441), (77, 6513), (81, 6525), (83, 6531), (113, 6621), (123, 6651), (145, 6702), (150, 6711), (168, 6762), (169, 6765), (173,

6777), (179, 6789), (193, 6819), (209, 6852), (238, 6912),

Gene: AlexMinion_8 Start: 6740, Stop: 7327, Start Num: 14
Candidate Starts for AlexMinion_8:
(Start: 14 @6740 has 56 MA's), (Start: 55 @6833 has 2 MA's), (94, 6995), (95, 6998), (98, 7004), (106, 7025), (113, 7031), (116, 7040), (121, 7055), (123, 7061), (143, 7106), (149, 7118), (179, 7202), (190, 7229), (193, 7232),

Gene: Alkhayr_41 Start: 21489, Stop: 22094, Start Num: 37
Candidate Starts for Alkhayr_41:
(Start: 37 @21489 has 39 MA's), (Start: 42 @21504 has 2 MA's), (63, 21567), (74, 21615), (75, 21624), (81, 21642), (107, 21732), (116, 21747), (147, 21849), (150, 21855), (163, 21897), (165, 21903), (168, 21912), (169, 21915), (172, 21924), (206, 21987), (235, 22044), (239, 22053), (248, 22080),

Gene: Altostratus_7 Start: 5860, Stop: 6384, Start Num: 43
Candidate Starts for Altostratus_7:
(Start: 43 @5860 has 8 MA's), (94, 6052), (160, 6202), (168, 6223), (183, 6256), (197, 6280),

Gene: AlumE_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for AlumE_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Amanises_10 Start: 7302, Stop: 7889, Start Num: 14
Candidate Starts for Amanises_10:
(Start: 14 @7302 has 56 MA's), (75, 7482), (89, 7530), (95, 7560), (98, 7566), (106, 7587), (114, 7599), (116, 7602), (123, 7623), (135, 7644), (160, 7716), (179, 7764), (209, 7827), (217, 7845),

Gene: Amao_15 Start: 8883, Stop: 9449, Start Num: 41
Candidate Starts for Amao_15:
(Start: 41 @8883 has 135 MA's), (83, 9021), (112, 9111), (115, 9120), (155, 9240), (161, 9267), (186, 9333),

Gene: Amelia_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for Amelia_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: AmericanBeauty_16 Start: 9130, Stop: 9696, Start Num: 41
Candidate Starts for AmericanBeauty_16:
(Start: 41 @9130 has 135 MA's), (83, 9268), (112, 9358), (115, 9367), (155, 9487), (161, 9514), (186, 9580),

Gene: AmiCi24_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for AmiCi24_8:
(Start: 14 @6714 has 56 MA's), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Amphitrite_8 Start: 6712, Stop: 7299, Start Num: 14
Candidate Starts for Amphitrite_8:
(Start: 14 @6712 has 56 MA's), (70, 6859), (75, 6892), (88, 6937), (94, 6967), (95, 6970), (113, 7003), (121, 7027), (123, 7033), (143, 7078), (149, 7090), (154, 7108), (158, 7117), (179, 7174), (190, 7201), (193, 7204),

Gene: Anatole_8 Start: 6423, Stop: 6980, Start Num: 36
Candidate Starts for Anatole_8:
(Start: 36 @6423 has 3 MA's), (Start: 43 @6438 has 8 MA's), (64, 6495), (68, 6513), (70, 6516), (100, 6639), (117, 6672), (127, 6696), (128, 6699), (137, 6714), (147, 6750), (158, 6783), (160, 6792), (180, 6843), (200, 6876), (206, 6885), (215, 6906), (243, 6960),

Gene: Andies_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Andies_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Andrew_9 Start: 7093, Stop: 7680, Start Num: 14
Candidate Starts for Andrew_9:
(Start: 14 @7093 has 56 MA's), (93, 7342), (95, 7351), (98, 7357), (106, 7378), (116, 7393), (121, 7408), (123, 7414), (154, 7489), (179, 7555), (190, 7582), (193, 7585),

Gene: AnnaLie_9 Start: 7111, Stop: 7671, Start Num: 32
Candidate Starts for AnnaLie_9:
(Start: 32 @7111 has 91 MA's), (78, 7258), (81, 7264), (87, 7288), (103, 7345), (109, 7354), (165, 7498), (168, 7507), (196, 7570), (228, 7639),

Gene: Antonio_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Antonio_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Antrice_9 Start: 7049, Stop: 7636, Start Num: 14
Candidate Starts for Antrice_9:
(Start: 14 @7049 has 56 MA's), (75, 7229), (95, 7307), (106, 7334), (116, 7349), (123, 7370), (143, 7415), (149, 7427), (179, 7511), (193, 7541), (209, 7574),

Gene: Aoka_9 Start: 7589, Stop: 8104, Start Num: 30
Candidate Starts for Aoka_9:
(Start: 30 @7589 has 14 MA's),

Gene: AppleCider_11 Start: 9230, Stop: 9802, Start Num: 23
Candidate Starts for AppleCider_11:
(Start: 23 @9230 has 7 MA's), (77, 9392), (81, 9404), (83, 9410), (92, 9455), (98, 9473), (147, 9584), (150, 9590), (179, 9668), (193, 9698), (213, 9743), (215, 9746), (236, 9788), (238, 9791),

Gene: Applejacks_7 Start: 5984, Stop: 6535, Start Num: 26
Candidate Starts for Applejacks_7:
(26, 5984), (67, 6086), (70, 6095), (74, 6119), (Start: 76 @6131 has 1 MA's), (87, 6170), (92, 6194), (98, 6212), (144, 6317), (147, 6323), (154, 6347), (172, 6395), (175, 6401), (229, 6515),

Gene: Archimedes_6 Start: 5387, Stop: 6001, Start Num: 28
Candidate Starts for Archimedes_6:
(Start: 28 @5387 has 4 MA's), (45, 5420), (66, 5489), (73, 5522), (75, 5534), (94, 5609), (105, 5636),

Gene: Argent26_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Argent26_16:

(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Ariel_23 Start: 13524, Stop: 14096, Start Num: 32
Candidate Starts for Ariel_23:
(Start: 32 @13524 has 91 MA's), (Start: 34 @13527 has 36 MA's), (Start: 76 @13668 has 1 MA's), (107, 13770), (126, 13812), (166, 13914), (178, 13941), (197, 13977), (208, 13998), (216, 14016), (233, 14049), (238, 14061), (247, 14082),

Gene: Armstrong_7 Start: 6533, Stop: 7093, Start Num: 32
Candidate Starts for Armstrong_7:
(Start: 32 @6533 has 91 MA's), (145, 6866), (171, 6938),

Gene: Arroyo_9 Start: 7235, Stop: 7795, Start Num: 32
Candidate Starts for Arroyo_9:
(Start: 32 @7235 has 91 MA's), (78, 7382), (81, 7388), (87, 7412), (103, 7469), (165, 7622), (168, 7631), (196, 7694), (228, 7763),

Gene: Ashwin_42 Start: 21487, Stop: 22092, Start Num: 37
Candidate Starts for Ashwin_42:
(Start: 37 @21487 has 39 MA's), (Start: 42 @21502 has 2 MA's), (63, 21565), (74, 21613), (75, 21622), (81, 21640), (107, 21730), (116, 21745), (147, 21847), (150, 21853), (163, 21895), (165, 21901), (168, 21910), (169, 21913), (172, 21922), (206, 21985), (235, 22042), (239, 22051), (248, 22078),

Gene: Asriel_14 Start: 8550, Stop: 9116, Start Num: 41
Candidate Starts for Asriel_14:
(Start: 41 @8550 has 135 MA's), (83, 8688), (112, 8778), (115, 8787), (155, 8907), (161, 8934), (186, 9000),

Gene: Atlantica_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for Atlantica_8:
(Start: 14 @6714 has 56 MA's), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: AuntGwenStacy_15 Start: 10833, Stop: 11375, Start Num: 43
Candidate Starts for AuntGwenStacy_15:
(Start: 43 @10833 has 8 MA's), (64, 10902), (70, 10923), (79, 10965), (85, 10983), (91, 11016), (98, 11040), (99, 11043), (100, 11046), (147, 11151), (160, 11190), (163, 11196), (164, 11199), (165, 11202), (176, 11232), (189, 11256), (201, 11277), (235, 11346), (245, 11367),

Gene: AustinPowers_7 Start: 6343, Stop: 6924, Start Num: 21
Candidate Starts for AustinPowers_7:
(Start: 21 @6343 has 52 MA's), (Start: 24 @6352 has 25 MA's), (47, 6397), (60, 6442), (77, 6514), (81, 6526), (83, 6532), (98, 6595), (103, 6610), (113, 6622), (116, 6631), (123, 6652), (145, 6703), (150, 6712), (168, 6763), (169, 6766), (173, 6778), (179, 6790), (193, 6820), (209, 6853), (238, 6913),

Gene: AvGardian_8 Start: 6822, Stop: 7373, Start Num: 32
Candidate Starts for AvGardian_8:
(Start: 32 @6822 has 91 MA's), (78, 6969), (81, 6975), (87, 6999), (94, 7032), (100, 7047), (147, 7149), (156, 7176), (196, 7272), (228, 7341),

Gene: Avocadoman_8 Start: 6823, Stop: 7383, Start Num: 32
Candidate Starts for Avocadoman_8:

(Start: 32 @6823 has 91 MA's), (78, 6970), (81, 6976), (87, 7000), (103, 7057), (165, 7210), (168, 7219), (196, 7282), (228, 7351),

Gene: AylexOG_9 Start: 7107, Stop: 7667, Start Num: 32
Candidate Starts for AylexOG_9:
(Start: 32 @7107 has 91 MA's), (78, 7254), (81, 7260), (87, 7284), (168, 7503), (196, 7566), (228, 7635),

Gene: Azaz_8 Start: 6765, Stop: 7352, Start Num: 14
Candidate Starts for Azaz_8:
(Start: 14 @6765 has 56 MA's), (Start: 55 @6858 has 2 MA's), (63, 6888), (75, 6945), (94, 7020), (95, 7023), (106, 7050), (123, 7086), (143, 7131), (154, 7161), (179, 7227), (190, 7254), (193, 7257),

Gene: B3_8 Start: 6423, Stop: 6980, Start Num: 36
Candidate Starts for B3_8:
(Start: 36 @6423 has 3 MA's), (Start: 43 @6438 has 8 MA's), (64, 6495), (68, 6513), (70, 6516), (100, 6639), (117, 6672), (127, 6696), (128, 6699), (137, 6714), (147, 6750), (158, 6783), (160, 6792), (180, 6843), (200, 6876), (206, 6885), (215, 6906), (243, 6960),

Gene: BAKA_22 Start: 15634, Stop: 16203, Start Num: 34
Candidate Starts for BAKA_22:
(Start: 34 @15634 has 36 MA's), (126, 15919), (159, 16000), (169, 16030), (176, 16045), (178, 16048), (197, 16084), (200, 16090), (216, 16123), (247, 16189),

Gene: BAjuniper_8 Start: 6709, Stop: 7266, Start Num: 32
Candidate Starts for BAjuniper_8:
(5, 6496), (Start: 32 @6709 has 91 MA's), (78, 6856), (87, 6886), (94, 6919), (98, 6928), (129, 7000), (140, 7024), (165, 7093), (168, 7102), (193, 7159), (196, 7165),

Gene: BFK20_ORF8 Start: 6306, Stop: 6848, Start Num: 40
Candidate Starts for BFK20_ORF8:
(40, 6306), (52, 6339), (57, 6366), (64, 6393), (66, 6402), (70, 6414), (72, 6423), (74, 6438), (103, 6546), (130, 6609), (144, 6642), (150, 6654), (162, 6687), (168, 6705), (195, 6765), (199, 6777),

Gene: BabeRuth_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for BabeRuth_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: BaboJay_14 Start: 9212, Stop: 9778, Start Num: 41
Candidate Starts for BaboJay_14:
(Start: 41 @9212 has 135 MA's), (83, 9350), (112, 9440), (115, 9449), (155, 9569), (161, 9596), (186, 9662),

Gene: Babsiella_9 Start: 6984, Stop: 7529, Start Num: 37
Candidate Starts for Babsiella_9:
(6, 6798), (Start: 37 @6984 has 39 MA's), (Start: 51 @7020 has 2 MA's), (74, 7107), (75, 7116), (87, 7161), (94, 7194), (150, 7320), (235, 7494), (246, 7515),

Gene: Babushka_8 Start: 6762, Stop: 7349, Start Num: 14
Candidate Starts for Babushka_8:

(Start: 14 @6762 has 56 MA's), (Start: 55 @6855 has 2 MA's), (75, 6942), (88, 6987), (94, 7017), (95, 7020), (106, 7047), (113, 7053), (123, 7083), (143, 7128), (154, 7158), (179, 7224), (190, 7251), (193, 7254),

Gene: BabyDaisy_9 Start: 6993, Stop: 7544, Start Num: 32
Candidate Starts for BabyDaisy_9:
(Start: 32 @6993 has 91 MA's), (49, 7026), (78, 7140), (81, 7146), (87, 7170), (94, 7203), (100, 7218), (147, 7320), (165, 7371), (196, 7443), (201, 7455),

Gene: BabyYoda_8 Start: 7015, Stop: 7566, Start Num: 32
Candidate Starts for BabyYoda_8:
(Start: 32 @7015 has 91 MA's), (78, 7162), (87, 7192), (94, 7225), (100, 7240), (147, 7342), (165, 7393), (196, 7465), (209, 7492),

Gene: Bachaco_8 Start: 6906, Stop: 7457, Start Num: 32
Candidate Starts for Bachaco_8:
(Start: 32 @6906 has 91 MA's), (78, 7053), (81, 7059), (87, 7083), (94, 7116), (100, 7131), (165, 7284), (196, 7356),

Gene: BadStone_14 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for BadStone_14:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: BadWillHunting_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for BadWillHunting_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: Bagrid_23 Start: 15423, Stop: 15992, Start Num: 34
Candidate Starts for Bagrid_23:
(Start: 34 @15423 has 36 MA's), (126, 15708), (159, 15789), (169, 15819), (176, 15834), (178, 15837), (197, 15873), (200, 15879), (216, 15912), (247, 15978),

Gene: Balomoji_14 Start: 9412, Stop: 9978, Start Num: 41
Candidate Starts for Balomoji_14:
(Start: 41 @9412 has 135 MA's), (83, 9550), (112, 9640), (115, 9649), (155, 9769), (161, 9796), (186, 9862),

Gene: Banquo_16 Start: 9976, Stop: 10500, Start Num: 38
Candidate Starts for Banquo_16:
(Start: 38 @9976 has 43 MA's), (80, 10117), (88, 10150), (139, 10267), (144, 10291), (160, 10333), (165, 10345), (197, 10411), (207, 10429), (215, 10447), (235, 10486), (237, 10489),

Gene: Barbarian_14 Start: 8550, Stop: 9116, Start Num: 41
Candidate Starts for Barbarian_14:
(Start: 41 @8550 has 135 MA's), (83, 8688), (112, 8778), (115, 8787), (155, 8907), (161, 8934), (186, 9000),

Gene: Basilisk_9 Start: 7430, Stop: 8017, Start Num: 14
Candidate Starts for Basilisk_9:
(Start: 14 @7430 has 56 MA's), (75, 7610), (92, 7676), (95, 7688), (98, 7694), (106, 7715), (116, 7730), (123, 7751), (179, 7892), (193, 7922),

Gene: Bask21_14 Start: 8345, Stop: 8911, Start Num: 41
Candidate Starts for Bask21_14:
(Start: 41 @8345 has 135 MA's), (83, 8483), (112, 8573), (115, 8582), (155, 8702), (161, 8729), (186, 8795),

Gene: BatStarr_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for BatStarr_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Becksu_14 Start: 9320, Stop: 9886, Start Num: 41
Candidate Starts for Becksu_14:
(Start: 41 @9320 has 135 MA's), (83, 9458), (112, 9548), (115, 9557), (155, 9677), (161, 9704), (186, 9770),

Gene: Bedetta_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for Bedetta_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: Beem_25 Start: 15989, Stop: 16558, Start Num: 34
Candidate Starts for Beem_25:
(Start: 34 @15989 has 36 MA's), (126, 16274), (159, 16355), (169, 16385), (176, 16400), (178, 16403), (197, 16439), (200, 16445), (216, 16478), (247, 16544),

Gene: Beethoven_11 Start: 9184, Stop: 9762, Start Num: 21
Candidate Starts for Beethoven_11:
(Start: 21 @9184 has 52 MA's), (Start: 24 @9193 has 25 MA's), (47, 9238), (81, 9367), (83, 9373), (92, 9418), (98, 9436), (103, 9451), (113, 9463), (145, 9544), (147, 9547), (150, 9553), (168, 9604), (169, 9607), (173, 9619), (179, 9631), (193, 9661), (202, 9682), (213, 9706), (228, 9736), (236, 9751), (238, 9754),

Gene: BelmontSKP_9 Start: 7111, Stop: 7671, Start Num: 32
Candidate Starts for BelmontSKP_9:
(Start: 32 @7111 has 91 MA's), (78, 7258), (81, 7264), (87, 7288), (103, 7345), (109, 7354), (165, 7498), (168, 7507), (196, 7570), (228, 7639),

Gene: Bench_16 Start: 9006, Stop: 9572, Start Num: 41
Candidate Starts for Bench_16:
(Start: 41 @9006 has 135 MA's), (83, 9144), (112, 9234), (115, 9243), (155, 9363), (161, 9390), (186, 9456),

Gene: Bengal_8 Start: 6765, Stop: 7325, Start Num: 32
Candidate Starts for Bengal_8:
(Start: 32 @6765 has 91 MA's), (78, 6912), (81, 6918), (87, 6942), (103, 6999), (165, 7152), (168, 7161), (196, 7224), (228, 7293),

Gene: Bennie_7 Start: 6329, Stop: 6907, Start Num: 21
Candidate Starts for Bennie_7:
(Start: 21 @6329 has 52 MA's), (Start: 24 @6338 has 25 MA's), (47, 6383), (81, 6512), (83, 6518), (98, 6581), (113, 6608), (147, 6692), (150, 6698), (168, 6749), (169, 6752), (173, 6764), (179, 6776), (193, 6806), (213, 6851), (228, 6881), (236, 6896), (238, 6899),

Gene: Bernstein_7 Start: 6593, Stop: 7153, Start Num: 32
Candidate Starts for Bernstein_7:
(Start: 32 @6593 has 91 MA's), (145, 6926), (171, 6998),

Gene: Bialota_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Bialota_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (98, 6993), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (166, 7149), (168, 7155), (188, 7197), (219, 7257),

Gene: Bibble12_10 Start: 7305, Stop: 7895, Start Num: 14
Candidate Starts for Bibble12_10:
(Start: 14 @7305 has 56 MA's), (Start: 41 @7359 has 135 MA's), (75, 7485), (93, 7554), (95, 7563), (98, 7569), (106, 7590), (120, 7617), (123, 7629), (143, 7674), (179, 7770), (193, 7800), (209, 7833),

Gene: BigBubba_14 Start: 8389, Stop: 8955, Start Num: 41
Candidate Starts for BigBubba_14:
(Start: 41 @8389 has 135 MA's), (83, 8527), (112, 8617), (115, 8626), (155, 8746), (161, 8773), (186, 8839),

Gene: BigMack_7 Start: 6338, Stop: 6907, Start Num: 24
Candidate Starts for BigMack_7:
(Start: 21 @6329 has 52 MA's), (Start: 24 @6338 has 25 MA's), (47, 6383), (81, 6512), (83, 6518), (98, 6581), (106, 6602), (113, 6608), (147, 6692), (150, 6698), (168, 6749), (169, 6752), (173, 6764), (179, 6776), (193, 6806), (213, 6851), (228, 6881), (236, 6896), (238, 6899),

Gene: BilboSwaggins_15 Start: 9679, Stop: 10245, Start Num: 41
Candidate Starts for BilboSwaggins_15:
(Start: 41 @9679 has 135 MA's), (83, 9817), (112, 9907), (115, 9916), (155, 10036), (161, 10063), (186, 10129),

Gene: Bipper_15 Start: 10931, Stop: 11461, Start Num: 43
Candidate Starts for Bipper_15:
(Start: 43 @10931 has 8 MA's), (46, 10937), (91, 11117), (94, 11132), (98, 11141), (100, 11147), (123, 11198), (144, 11240), (147, 11246), (160, 11285), (163, 11291), (164, 11294), (165, 11297), (166, 11300), (176, 11327), (189, 11351), (201, 11372), (215, 11402), (235, 11441),

Gene: Blessica_42 Start: 21890, Stop: 22495, Start Num: 37
Candidate Starts for Blessica_42:
(Start: 37 @21890 has 39 MA's), (Start: 42 @21905 has 2 MA's), (63, 21968), (74, 22016), (75, 22025), (81, 22043), (107, 22133), (116, 22148), (147, 22250), (150, 22256), (163, 22298), (165, 22304), (168, 22313), (169, 22316), (172, 22325), (206, 22388), (235, 22445), (239, 22454), (248, 22481),

Gene: Bluvara_9 Start: 6985, Stop: 7530, Start Num: 37
Candidate Starts for Bluvara_9:
(6, 6799), (8, 6886), (Start: 37 @6985 has 39 MA's), (Start: 51 @7021 has 2 MA's), (74, 7108), (75, 7117), (87, 7162), (94, 7195), (150, 7321), (166, 7372), (235, 7495), (246, 7516),

Gene: Bobby_26 Start: 15942, Stop: 16511, Start Num: 34
Candidate Starts for Bobby_26:
(Start: 34 @15942 has 36 MA's), (126, 16227), (159, 16308), (169, 16338), (178, 16356), (197, 16392), (200, 16398), (216, 16431), (247, 16497),

Gene: Bodacious_7 Start: 6336, Stop: 6905, Start Num: 24
Candidate Starts for Bodacious_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: Bogg_15 Start: 8562, Stop: 9128, Start Num: 41
Candidate Starts for Bogg_15:
(Start: 41 @8562 has 135 MA's), (83, 8700), (112, 8790), (115, 8799), (155, 8919), (161, 8946), (186, 9012),

Gene: Bombitas_22 Start: 15299, Stop: 15868, Start Num: 34
Candidate Starts for Bombitas_22:
(Start: 34 @15299 has 36 MA's), (75, 15437), (93, 15506), (126, 15584), (159, 15665), (169, 15695), (176, 15710), (178, 15713), (197, 15749), (200, 15755), (216, 15788), (247, 15854),

Gene: Bora_38 Start: 20940, Stop: 21545, Start Num: 37
Candidate Starts for Bora_38:
(Start: 37 @20940 has 39 MA's), (Start: 42 @20955 has 2 MA's), (63, 21018), (74, 21066), (75, 21075), (81, 21093), (107, 21183), (116, 21198), (147, 21300), (150, 21306), (163, 21348), (165, 21354), (168, 21363), (169, 21366), (172, 21375), (206, 21438), (235, 21495), (239, 21504), (248, 21531),

Gene: Bosection6_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Bosection6_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Bosnia_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Bosnia_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: BoyNamedSue_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for BoyNamedSue_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Brahms_7 Start: 6533, Stop: 7093, Start Num: 32
Candidate Starts for Brahms_7:
(Start: 32 @6533 has 91 MA's), (145, 6866), (171, 6938),

Gene: BrayBeast_8 Start: 6486, Stop: 7001, Start Num: 30
Candidate Starts for BrayBeast_8:
(Start: 27 @6483 has 4 MA's), (Start: 30 @6486 has 14 MA's), (Start: 44 @6516 has 1 MA's), (49, 6525), (50, 6528), (52, 6534), (80, 6648), (81, 6651), (116, 6750), (147, 6810), (154, 6834), (165, 6861), (182, 6897), (217, 6966),

Gene: Brewer_14 Start: 9388, Stop: 9954, Start Num: 41
Candidate Starts for Brewer_14:
(Start: 41 @9388 has 135 MA's), (83, 9526), (112, 9616), (115, 9625), (155, 9745), (161, 9772), (186, 9838),

Gene: BronnyJames_17 Start: 12159, Stop: 12728, Start Num: 34
Candidate Starts for BronnyJames_17:
(Start: 32 @12156 has 91 MA's), (Start: 34 @12159 has 36 MA's), (Start: 76 @12300 has 1 MA's), (107, 12402), (126, 12444), (166, 12546), (169, 12555), (178, 12573), (197, 12609), (208, 12630), (216, 12648), (233, 12681), (238, 12693), (247, 12714),

Gene: BrotherBLo_11 Start: 9191, Stop: 9769, Start Num: 21
Candidate Starts for BrotherBLo_11:
(Start: 21 @9191 has 52 MA's), (Start: 24 @9200 has 25 MA's), (47, 9245), (81, 9374), (83, 9380), (98, 9443), (101, 9452), (103, 9458), (106, 9464), (113, 9470), (123, 9500), (147, 9554), (150, 9560), (168, 9611), (169, 9614), (173, 9626), (179, 9638), (193, 9668), (202, 9689), (213, 9713), (228, 9743), (236, 9758), (238, 9761),

Gene: Bruin_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for Bruin_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: Brujita_9 Start: 7024, Stop: 7533, Start Num: 51
Candidate Starts for Brujita_9:
(Start: 37 @6988 has 39 MA's), (Start: 51 @7024 has 2 MA's), (54, 7033), (74, 7111), (75, 7120), (87, 7165), (94, 7198), (150, 7324), (166, 7375), (235, 7498), (246, 7519),

Gene: Brynnie_9 Start: 7242, Stop: 7829, Start Num: 14
Candidate Starts for Brynnie_9:
(Start: 14 @7242 has 56 MA's), (75, 7422), (92, 7488), (95, 7500), (98, 7506), (106, 7527), (116, 7542), (123, 7563), (179, 7704), (193, 7734),

Gene: BubbaBear_8 Start: 6756, Stop: 7316, Start Num: 32
Candidate Starts for BubbaBear_8:
(Start: 32 @6756 has 91 MA's), (49, 6789), (78, 6903), (81, 6909), (87, 6933), (103, 6990), (109, 6999), (145, 7089), (196, 7215), (228, 7284),

Gene: Buck_14 Start: 9635, Stop: 10201, Start Num: 41
Candidate Starts for Buck_14:
(Start: 41 @9635 has 135 MA's), (83, 9773), (112, 9863), (115, 9872), (155, 9992), (161, 10019), (186, 10085),

Gene: Budgie_16 Start: 8981, Stop: 9553, Start Num: 41
Candidate Starts for Budgie_16:
(Start: 41 @8981 has 135 MA's), (62, 9050), (69, 9071), (89, 9149), (92, 9167), (97, 9185), (112, 9215), (165, 9383), (186, 9437), (187, 9440),

Gene: BugsBunny_12 Start: 8752, Stop: 9318, Start Num: 41
Candidate Starts for BugsBunny_12:
(Start: 41 @8752 has 135 MA's), (83, 8890), (112, 8980), (115, 8989), (155, 9109), (161, 9136), (186, 9202),

Gene: Buldak_8 Start: 7041, Stop: 7601, Start Num: 32
Candidate Starts for Buldak_8:
(Start: 32 @7041 has 91 MA's), (78, 7191), (81, 7197), (98, 7263), (100, 7269), (103, 7278), (147, 7377), (165, 7428), (171, 7446), (193, 7494), (196, 7500),

Gene: Bunnybear_8 Start: 6765, Stop: 7310, Start Num: 38
Candidate Starts for Bunnybear_8:
(Start: 38 @6765 has 43 MA's), (63, 6843), (81, 6915), (90, 6951), (92, 6966), (94, 6975), (98, 6984), (129, 7050), (144, 7080), (147, 7086), (162, 7128), (168, 7146), (188, 7188), (204, 7218), (219, 7248),

Gene: Burritobowl_8 Start: 6792, Stop: 7352, Start Num: 32
Candidate Starts for Burritobowl_8:
(Start: 32 @6792 has 91 MA's), (78, 6939), (81, 6945), (87, 6969), (103, 7026), (109, 7035), (165, 7179), (168, 7188), (196, 7251), (228, 7320),

Gene: Butters_8 Start: 5970, Stop: 6461, Start Num: 58
Candidate Starts for Butters_8:
(13, 5859), (18, 5871), (Start: 58 @5970 has 47 MA's), (70, 6009), (80, 6057), (87, 6087), (98, 6129), (113, 6156), (125, 6189), (150, 6246), (158, 6273), (165, 6294), (167, 6300), (206, 6369), (222, 6402), (244, 6444),

Gene: Cactus_16 Start: 8891, Stop: 9457, Start Num: 41
Candidate Starts for Cactus_16:
(Start: 41 @8891 has 135 MA's), (83, 9029), (112, 9119), (115, 9128), (155, 9248), (161, 9275), (186, 9341),

Gene: CallieOMalley_11 Start: 9230, Stop: 9802, Start Num: 23
Candidate Starts for CallieOMalley_11:
(Start: 23 @9230 has 7 MA's), (77, 9392), (81, 9404), (83, 9410), (92, 9455), (98, 9473), (147, 9584), (150, 9590), (179, 9668), (193, 9698), (213, 9743), (215, 9746), (236, 9788), (238, 9791),

Gene: Camara_8 Start: 6715, Stop: 7302, Start Num: 14
Candidate Starts for Camara_8:
(Start: 14 @6715 has 56 MA's), (75, 6895), (94, 6970), (95, 6973), (113, 7006), (121, 7030), (123, 7036), (143, 7081), (149, 7093), (154, 7111), (158, 7120), (179, 7177), (190, 7204), (193, 7207),

Gene: CanFranMach_8 Start: 6780, Stop: 7340, Start Num: 32
Candidate Starts for CanFranMach_8:
(Start: 32 @6780 has 91 MA's), (49, 6813), (81, 6933), (87, 6957), (147, 7116), (156, 7143), (196, 7239), (228, 7308),

Gene: Canowicakte_11 Start: 9265, Stop: 9837, Start Num: 23
Candidate Starts for Canowicakte_11:
(Start: 23 @9265 has 7 MA's), (77, 9427), (81, 9439), (83, 9445), (92, 9490), (147, 9619), (150, 9625), (179, 9703), (193, 9733), (213, 9778), (215, 9781), (236, 9823), (238, 9826),

Gene: Carcharodon_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Carcharodon_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Carpal_11 Start: 9191, Stop: 9769, Start Num: 21
Candidate Starts for Carpal_11:
(Start: 21 @9191 has 52 MA's), (Start: 24 @9200 has 25 MA's), (47, 9245), (81, 9374), (83, 9380), (92, 9425), (98, 9443), (103, 9458), (113, 9470), (145, 9551), (147, 9554), (150, 9560), (168, 9611), (169, 9614), (173, 9626), (179, 9638), (193, 9668), (202, 9689), (213, 9713), (228, 9743), (236, 9758), (238,

9761),

Gene: Cashington_8 Start: 6782, Stop: 7342, Start Num: 32
Candidate Starts for Cashington_8:
(Start: 32 @6782 has 91 MA's), (78, 6929), (81, 6935), (87, 6959), (168, 7178), (196, 7241), (228, 7310),

Gene: Catdawg_41 Start: 21594, Stop: 22184, Start Num: 42
Candidate Starts for Catdawg_41:
(Start: 37 @21579 has 39 MA's), (Start: 42 @21594 has 2 MA's), (63, 21657), (74, 21705), (75, 21714), (81, 21732), (107, 21822), (116, 21837), (147, 21939), (150, 21945), (163, 21987), (165, 21993), (168, 22002), (169, 22005), (172, 22014), (206, 22077), (235, 22134), (239, 22143), (248, 22170),

Gene: Catfish_11 Start: 7940, Stop: 8464, Start Num: 35
Candidate Starts for Catfish_11:
(15, 7898), (31, 7934), (Start: 35 @7940 has 2 MA's), (160, 8303), (165, 8315), (179, 8351), (197, 8381),

Gene: Celaena_8 Start: 6843, Stop: 7394, Start Num: 32
Candidate Starts for Celaena_8:
(Start: 32 @6843 has 91 MA's), (78, 6990), (81, 6996), (87, 7020), (94, 7053), (100, 7068), (165, 7221), (196, 7293),

Gene: Charlie_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Charlie_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Che9c_8 Start: 6622, Stop: 7134, Start Num: 51
Candidate Starts for Che9c_8:
(2, 6289), (3, 6328), (7, 6463), (Start: 37 @6586 has 39 MA's), (Start: 51 @6622 has 2 MA's), (66, 6673), (74, 6709), (75, 6718), (81, 6736), (87, 6763), (92, 6787), (93, 6790), (94, 6796), (113, 6832), (165, 6970), (166, 6973), (219, 7072), (235, 7099),

Gene: ChewChew_7 Start: 6326, Stop: 6904, Start Num: 21
Candidate Starts for ChewChew_7:
(Start: 21 @6326 has 52 MA's), (Start: 24 @6335 has 25 MA's), (47, 6380), (81, 6509), (83, 6515), (98, 6578), (103, 6593), (113, 6605), (123, 6635), (145, 6686), (147, 6689), (150, 6695), (168, 6746), (169, 6749), (179, 6773), (193, 6803), (213, 6848), (228, 6878), (236, 6893), (238, 6896),

Gene: Chewbacca_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Chewbacca_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Chickaboom_8 Start: 6787, Stop: 7374, Start Num: 14
Candidate Starts for Chickaboom_8:
(Start: 14 @6787 has 56 MA's), (75, 6967), (92, 7033), (95, 7045), (98, 7051), (106, 7072), (116, 7087), (123, 7108), (179, 7249), (193, 7279),

Gene: Chicken_9 Start: 7090, Stop: 7677, Start Num: 14

Candidate Starts for Chicken_9:
(Start: 14 @7090 has 56 MA's), (75, 7270), (89, 7318), (95, 7348), (98, 7354), (106, 7375), (116, 7390), (123, 7411), (135, 7432), (146, 7462), (179, 7552), (209, 7615),

Gene: ChiliPepper_8 Start: 6996, Stop: 7553, Start Num: 32
Candidate Starts for ChiliPepper_8:
(Start: 32 @6996 has 91 MA's), (78, 7143), (87, 7173), (145, 7326), (168, 7389), (196, 7452), (228, 7521),

Gene: Cholula_11 Start: 9236, Stop: 9814, Start Num: 21
Candidate Starts for Cholula_11:
(Start: 21 @9236 has 52 MA's), (Start: 24 @9245 has 25 MA's), (47, 9290), (81, 9419), (83, 9425), (92, 9470), (98, 9488), (103, 9503), (113, 9515), (145, 9596), (147, 9599), (150, 9605), (168, 9656), (169, 9659), (173, 9671), (179, 9683), (193, 9713), (202, 9734), (213, 9758), (228, 9788), (236, 9803), (238, 9806),

Gene: ChosenOne_13 Start: 8353, Stop: 8919, Start Num: 41
Candidate Starts for ChosenOne_13:
(Start: 41 @8353 has 135 MA's), (83, 8491), (112, 8581), (115, 8590), (155, 8710), (161, 8737), (186, 8803),

Gene: ChotaBhai_14 Start: 8389, Stop: 8955, Start Num: 41
Candidate Starts for ChotaBhai_14:
(Start: 41 @8389 has 135 MA's), (83, 8527), (112, 8617), (115, 8626), (155, 8746), (161, 8773), (186, 8839),

Gene: Chridison_7 Start: 6343, Stop: 6924, Start Num: 21
Candidate Starts for Chridison_7:
(Start: 21 @6343 has 52 MA's), (Start: 24 @6352 has 25 MA's), (47, 6397), (60, 6442), (77, 6514), (81, 6526), (83, 6532), (98, 6595), (103, 6610), (113, 6622), (116, 6631), (123, 6652), (145, 6703), (150, 6712), (168, 6763), (169, 6766), (173, 6778), (179, 6790), (193, 6820), (209, 6853), (238, 6913),

Gene: Christian_7 Start: 6327, Stop: 6905, Start Num: 21
Candidate Starts for Christian_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (103, 6594), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: Chymera_9 Start: 7652, Stop: 8236, Start Num: 41
Candidate Starts for Chymera_9:
(Start: 41 @7652 has 135 MA's), (70, 7757), (102, 7889), (108, 7898), (124, 7937), (213, 8180),

Gene: Cjw1_14 Start: 9903, Stop: 10469, Start Num: 41
Candidate Starts for Cjw1_14:
(Start: 41 @9903 has 135 MA's), (83, 10041), (112, 10131), (115, 10140), (155, 10260), (161, 10287), (186, 10353),

Gene: Clayda5_7 Start: 6533, Stop: 7093, Start Num: 32
Candidate Starts for Clayda5_7:
(Start: 32 @6533 has 91 MA's), (145, 6866), (171, 6938),

Gene: CliffHanger_9 Start: 6740, Stop: 7300, Start Num: 32
Candidate Starts for CliffHanger_9:

(Start: 32 @6740 has 91 MA's), (78, 6890), (81, 6896), (147, 7076), (173, 7151), (196, 7199),

Gene: CocoCinnamon_11 Start: 7693, Stop: 8205, Start Num: 30
Candidate Starts for CocoCinnamon_11:
(Start: 27 @7690 has 4 MA's), (Start: 30 @7693 has 14 MA's), (Start: 44 @7723 has 1 MA's), (49, 7732), (75, 7843), (81, 7858), (86, 7882), (93, 7909), (144, 8011), (151, 8026), (217, 8173),

Gene: Coltrane_7 Start: 6533, Stop: 7093, Start Num: 32
Candidate Starts for Coltrane_7:
(Start: 32 @6533 has 91 MA's), (145, 6866), (171, 6938),

Gene: Colusalem_9 Start: 7141, Stop: 7731, Start Num: 14
Candidate Starts for Colusalem_9:
(Start: 14 @7141 has 56 MA's), (Start: 41 @7195 has 135 MA's), (75, 7321), (93, 7390), (95, 7399), (98, 7405), (106, 7426), (120, 7453), (123, 7465), (143, 7510), (179, 7606), (193, 7636), (209, 7669),

Gene: Command613_16 Start: 9947, Stop: 10513, Start Num: 41
Candidate Starts for Command613_16:
(Start: 41 @9947 has 135 MA's), (83, 10085), (112, 10175), (115, 10184), (155, 10304), (161, 10331), (186, 10397),

Gene: Constella_20 Start: 14812, Stop: 15381, Start Num: 34
Candidate Starts for Constella_20:
(Start: 34 @14812 has 36 MA's), (75, 14950), (126, 15097), (159, 15178), (169, 15208), (176, 15223), (178, 15226), (197, 15262), (200, 15268), (216, 15301), (247, 15367),

Gene: Contagion_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for Contagion_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: Cookies_15 Start: 9551, Stop: 10117, Start Num: 41
Candidate Starts for Cookies_15:
(Start: 41 @9551 has 135 MA's), (83, 9689), (112, 9779), (115, 9788), (155, 9908), (161, 9935), (186, 10001),

Gene: Coral_9 Start: 7141, Stop: 7731, Start Num: 14
Candidate Starts for Coral_9:
(Start: 14 @7141 has 56 MA's), (Start: 41 @7195 has 135 MA's), (75, 7321), (93, 7390), (95, 7399), (98, 7405), (106, 7426), (120, 7453), (123, 7465), (143, 7510), (179, 7606), (193, 7636), (209, 7669),

Gene: Corndog_43 Start: 22037, Stop: 22642, Start Num: 37
Candidate Starts for Corndog_43:
(Start: 37 @22037 has 39 MA's), (63, 22115), (74, 22163), (75, 22172), (81, 22190), (90, 22226), (107, 22280), (116, 22295), (147, 22397), (150, 22403), (163, 22445), (165, 22451), (168, 22460), (169, 22463), (172, 22472), (206, 22535), (235, 22592), (239, 22601), (248, 22628),

Gene: Cote_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for Cote_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: Courthouse_23 Start: 13926, Stop: 14498, Start Num: 32

Candidate Starts for Courthouse_23:
(Start: 32 @13926 has 91 MA's), (Start: 34 @13929 has 36 MA's), (Start: 76 @14070 has 1 MA's), (107, 14172), (126, 14214), (166, 14316), (169, 14325), (178, 14343), (197, 14379), (208, 14400), (216, 14418), (233, 14451), (238, 14463), (247, 14484),

Gene: Cracklewink_15 Start: 10931, Stop: 11461, Start Num: 43
Candidate Starts for Cracklewink_15:
(Start: 43 @10931 has 8 MA's), (46, 10937), (91, 11117), (94, 11132), (98, 11141), (100, 11147), (123, 11198), (144, 11240), (147, 11246), (160, 11285), (163, 11291), (164, 11294), (165, 11297), (166, 11300), (176, 11327), (189, 11351), (201, 11372), (215, 11402), (235, 11441),

Gene: CristinaYang_7 Start: 6336, Stop: 6905, Start Num: 24
Candidate Starts for CristinaYang_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: CroZenni_8 Start: 6765, Stop: 7325, Start Num: 32
Candidate Starts for CroZenni_8:
(Start: 32 @6765 has 91 MA's), (78, 6912), (81, 6918), (87, 6942), (103, 6999), (109, 7008), (165, 7152), (168, 7161), (196, 7224), (228, 7293),

Gene: CrystalP_15 Start: 9679, Stop: 10245, Start Num: 41
Candidate Starts for CrystalP_15:
(Start: 41 @9679 has 135 MA's), (83, 9817), (112, 9907), (115, 9916), (155, 10036), (161, 10063), (186, 10129),

Gene: Cubone_8 Start: 5980, Stop: 6465, Start Num: 58
Candidate Starts for Cubone_8:
(13, 5866), (18, 5878), (Start: 58 @5980 has 47 MA's), (70, 6019), (80, 6067), (87, 6097), (98, 6139), (103, 6154), (113, 6166), (116, 6175), (125, 6199), (150, 6256), (158, 6277), (165, 6298), (206, 6373), (214, 6391), (222, 6406), (240, 6439), (244, 6448),

Gene: CupcakePrincess_8 Start: 6742, Stop: 7302, Start Num: 32
Candidate Starts for CupcakePrincess_8:
(Start: 32 @6742 has 91 MA's), (78, 6889), (81, 6895), (87, 6919), (168, 7138), (196, 7201), (228, 7270),

Gene: Cygnet_9 Start: 7088, Stop: 7678, Start Num: 14
Candidate Starts for Cygnet_9:
(Start: 14 @7088 has 56 MA's), (95, 7346), (106, 7373), (113, 7379), (116, 7388), (123, 7409), (143, 7457), (149, 7469), (179, 7553), (193, 7583),

Gene: Czyszczon1_15 Start: 8888, Stop: 9454, Start Num: 41
Candidate Starts for Czyszczon1_15:
(Start: 41 @8888 has 135 MA's), (83, 9026), (112, 9116), (115, 9125), (155, 9245), (161, 9272), (186, 9338),

Gene: Daiboju_7 Start: 6353, Stop: 6925, Start Num: 24
Candidate Starts for Daiboju_7:
(Start: 21 @6344 has 52 MA's), (Start: 24 @6353 has 25 MA's), (47, 6398), (60, 6443), (81, 6527), (83, 6533), (113, 6623), (123, 6653), (145, 6704), (150, 6713), (179, 6791), (193, 6821), (228, 6896), (238, 6914),

Gene: Daikon_13 Start: 9413, Stop: 9979, Start Num: 41
Candidate Starts for Daikon_13:
(Start: 41 @9413 has 135 MA's), (83, 9551), (112, 9641), (115, 9650), (155, 9770), (161, 9797), (186, 9863),

Gene: Dallas_25 Start: 15529, Stop: 16098, Start Num: 34
Candidate Starts for Dallas_25:
(Start: 34 @15529 has 36 MA's), (126, 15814), (159, 15895), (169, 15925), (176, 15940), (178, 15943), (197, 15979), (200, 15985), (216, 16018), (247, 16084),

Gene: Damocles_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for Damocles_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: DanHam62_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for DanHam62_8:
(Start: 14 @6714 has 56 MA's), (70, 6861), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Daob_10 Start: 7305, Stop: 7895, Start Num: 14
Candidate Starts for Daob_10:
(Start: 14 @7305 has 56 MA's), (Start: 41 @7359 has 135 MA's), (75, 7485), (93, 7554), (95, 7563), (98, 7569), (106, 7590), (120, 7617), (123, 7629), (143, 7674), (179, 7770), (193, 7800), (209, 7833),

Gene: Dardanus_14 Start: 9026, Stop: 9541, Start Num: 38
Candidate Starts for Dardanus_14:
(Start: 38 @9026 has 43 MA's), (Start: 41 @9032 has 135 MA's), (48, 9050), (Start: 55 @9071 has 2 MA's), (64, 9101), (73, 9143), (90, 9206), (98, 9239), (110, 9260), (127, 9299), (160, 9389), (164, 9398), (165, 9401), (172, 9422), (197, 9467), (209, 9488), (220, 9503), (235, 9530),

Gene: DearBasketball_8 Start: 6284, Stop: 6817, Start Num: 39
Candidate Starts for DearBasketball_8:
(Start: 39 @6284 has 7 MA's), (70, 6380), (82, 6431), (150, 6611), (234, 6806),

Gene: DickRichards_8 Start: 7259, Stop: 7819, Start Num: 32
Candidate Starts for DickRichards_8:
(Start: 32 @7259 has 91 MA's), (78, 7406), (81, 7412), (87, 7436), (103, 7493), (109, 7502), (165, 7646), (168, 7655), (196, 7718), (228, 7787),

Gene: Didgeridoo_9 Start: 6993, Stop: 7544, Start Num: 32
Candidate Starts for Didgeridoo_9:
(Start: 32 @6993 has 91 MA's), (49, 7026), (78, 7140), (81, 7146), (87, 7170), (94, 7203), (100, 7218), (147, 7320), (165, 7371), (196, 7443), (201, 7455), (209, 7470),

Gene: Dillpickles_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Dillpickles_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Dino_11 Start: 9190, Stop: 9768, Start Num: 21

Candidate Starts for Dino_11:
(Start: 21 @9190 has 52 MA's), (Start: 24 @9199 has 25 MA's), (47, 9244), (81, 9373), (83, 9379), (92, 9424), (98, 9442), (103, 9457), (113, 9469), (145, 9550), (147, 9553), (150, 9559), (168, 9610), (169, 9613), (173, 9625), (179, 9637), (193, 9667), (202, 9688), (213, 9712), (228, 9742), (236, 9757), (238, 9760),

Gene: DinoDaryn_14 Start: 9110, Stop: 9634, Start Num: 38
Candidate Starts for DinoDaryn_14:
(Start: 38 @9110 has 43 MA's), (Start: 55 @9155 has 2 MA's), (74, 9230), (88, 9284), (94, 9314), (110, 9344), (139, 9401), (144, 9425), (162, 9470), (165, 9479), (197, 9545), (207, 9563), (215, 9581), (235, 9620),

Gene: DinoNuggs_9 Start: 6424, Stop: 6957, Start Num: 39
Candidate Starts for DinoNuggs_9:
(Start: 39 @6424 has 7 MA's), (74, 6544), (150, 6751), (221, 6922), (234, 6946),

Gene: DirtyBubble_8 Start: 7014, Stop: 7574, Start Num: 32
Candidate Starts for DirtyBubble_8:
(Start: 32 @7014 has 91 MA's), (78, 7161), (81, 7167), (87, 7191), (103, 7248), (165, 7401), (168, 7410), (196, 7473), (209, 7500), (242, 7569),

Gene: Dismas_8 Start: 6996, Stop: 7553, Start Num: 32
Candidate Starts for Dismas_8:
(Start: 32 @6996 has 91 MA's), (78, 7143), (87, 7173), (145, 7326), (168, 7389), (196, 7452), (228, 7521),

Gene: DmpstrDiver_24 Start: 16165, Stop: 16734, Start Num: 34
Candidate Starts for DmpstrDiver_24:
(Start: 34 @16165 has 36 MA's), (126, 16450), (159, 16531), (169, 16561), (176, 16576), (178, 16579), (197, 16615), (200, 16621), (216, 16654), (247, 16720),

Gene: DoctorDiddles_15 Start: 8844, Stop: 9410, Start Num: 41
Candidate Starts for DoctorDiddles_15:
(Start: 41 @8844 has 135 MA's), (83, 8982), (112, 9072), (115, 9081), (155, 9201), (161, 9228), (186, 9294),

Gene: DonkeyMan_8 Start: 6278, Stop: 6811, Start Num: 39
Candidate Starts for DonkeyMan_8:
(Start: 39 @6278 has 7 MA's), (70, 6374), (82, 6425), (84, 6431), (150, 6605), (234, 6800),

Gene: Doobus_8 Start: 6987, Stop: 7556, Start Num: 32
Candidate Starts for Doobus_8:
(Start: 32 @6987 has 91 MA's), (78, 7134), (81, 7140), (165, 7383), (168, 7392), (228, 7524),

Gene: Dove_23 Start: 15298, Stop: 15867, Start Num: 34
Candidate Starts for Dove_23:
(Start: 34 @15298 has 36 MA's), (75, 15436), (93, 15505), (126, 15583), (159, 15664), (169, 15694), (176, 15709), (178, 15712), (197, 15748), (200, 15754), (216, 15787), (247, 15853),

Gene: DrDrey_15 Start: 9629, Stop: 10195, Start Num: 41
Candidate Starts for DrDrey_15:
(Start: 41 @9629 has 135 MA's), (83, 9767), (112, 9857), (115, 9866), (155, 9986), (161, 10013), (186, 10079),

Gene: DrRobert_7 Start: 6327, Stop: 6905, Start Num: 21
Candidate Starts for DrRobert_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (103, 6594), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: DreamTeam_7 Start: 6382, Stop: 6951, Start Num: 24
Candidate Starts for DreamTeam_7:
(Start: 21 @6373 has 52 MA's), (Start: 24 @6382 has 25 MA's), (47, 6427), (81, 6556), (83, 6562), (113, 6652), (125, 6685), (145, 6733), (150, 6742), (168, 6793), (169, 6796), (173, 6808), (179, 6820), (193, 6850), (202, 6871), (213, 6895), (228, 6925), (236, 6940), (238, 6943),

Gene: Duke13_22 Start: 15563, Stop: 16132, Start Num: 34
Candidate Starts for Duke13_22:
(Start: 34 @15563 has 36 MA's), (75, 15701), (126, 15848), (159, 15929), (169, 15959), (176, 15974), (178, 15977), (197, 16013), (200, 16019), (216, 16052), (247, 16118),

Gene: Dumbo_14 Start: 8610, Stop: 9176, Start Num: 41
Candidate Starts for Dumbo_14:
(Start: 41 @8610 has 135 MA's), (83, 8748), (112, 8838), (115, 8847), (155, 8967), (161, 8994), (186, 9060),

Gene: Duplicity_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Duplicity_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Dusk_14 Start: 9338, Stop: 9904, Start Num: 41
Candidate Starts for Dusk_14:
(Start: 41 @9338 has 135 MA's), (83, 9476), (112, 9566), (115, 9575), (155, 9695), (161, 9722), (186, 9788),

Gene: Dylan_40 Start: 21292, Stop: 21897, Start Num: 37
Candidate Starts for Dylan_40:
(Start: 37 @21292 has 39 MA's), (Start: 42 @21307 has 2 MA's), (63, 21370), (74, 21418), (75, 21427), (81, 21445), (107, 21535), (116, 21550), (147, 21652), (150, 21658), (163, 21700), (165, 21706), (168, 21715), (169, 21718), (172, 21727), (206, 21790), (235, 21847), (239, 21856), (248, 21883),

Gene: E1_8 Start: 6423, Stop: 6980, Start Num: 36
Candidate Starts for E1_8:
(Start: 36 @6423 has 3 MA's), (Start: 43 @6438 has 8 MA's), (64, 6495), (68, 6513), (70, 6516), (100, 6639), (117, 6672), (127, 6696), (128, 6699), (137, 6714), (147, 6750), (158, 6783), (160, 6792), (180, 6843), (200, 6876), (206, 6885), (215, 6906), (243, 6960),

Gene: EGUnicorn_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for EGUnicorn_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Easy2Say_15 Start: 9876, Stop: 10442, Start Num: 41

Candidate Starts for Easy2Say_15:
(Start: 41 @9876 has 135 MA's), (83, 10014), (112, 10104), (115, 10113), (155, 10233), (161, 10260), (186, 10326),

Gene: Eden_7 Start: 6625, Stop: 7182, Start Num: 32
Candidate Starts for Eden_7:
(Start: 32 @6625 has 91 MA's), (81, 6778), (100, 6850), (165, 7009), (171, 7027),

Gene: Eesa_9 Start: 7305, Stop: 7892, Start Num: 14
Candidate Starts for Eesa_9:
(Start: 14 @7305 has 56 MA's), (64, 7431), (75, 7485), (89, 7533), (95, 7563), (98, 7569), (106, 7590), (116, 7605), (123, 7626), (135, 7647), (146, 7677), (160, 7719), (179, 7767), (209, 7830),

Gene: Ejimix_26 Start: 16739, Stop: 17308, Start Num: 34
Candidate Starts for Ejimix_26:
(Start: 34 @16739 has 36 MA's), (126, 17024), (159, 17105), (169, 17135), (176, 17150), (178, 17153), (197, 17189), (200, 17195), (216, 17228), (247, 17294),

Gene: Elener_10 Start: 8382, Stop: 8957, Start Num: 22
Candidate Starts for Elener_10:
(Start: 22 @8382 has 1 MA's), (53, 8451), (59, 8475), (65, 8493), (123, 8688), (165, 8796), (172, 8814), (181, 8838),

Gene: Elite2014_13 Start: 8353, Stop: 8919, Start Num: 41
Candidate Starts for Elite2014_13:
(Start: 41 @8353 has 135 MA's), (83, 8491), (112, 8581), (115, 8590), (155, 8710), (161, 8737), (186, 8803),

Gene: Elph10_15 Start: 8613, Stop: 9179, Start Num: 41
Candidate Starts for Elph10_15:
(Start: 41 @8613 has 135 MA's), (83, 8751), (112, 8841), (115, 8850), (155, 8970), (161, 8997), (186, 9063),

Gene: Elva_9 Start: 7080, Stop: 7631, Start Num: 32
Candidate Starts for Elva_9:
(Start: 32 @7080 has 91 MA's), (78, 7227), (94, 7290), (100, 7305), (147, 7407), (156, 7434), (165, 7458), (168, 7467), (196, 7530), (209, 7557),

Gene: Emmina_14 Start: 8458, Stop: 9024, Start Num: 41
Candidate Starts for Emmina_14:
(Start: 41 @8458 has 135 MA's), (83, 8596), (112, 8686), (115, 8695), (155, 8815), (161, 8842), (186, 8908),

Gene: EricMillard_25 Start: 16275, Stop: 16844, Start Num: 34
Candidate Starts for EricMillard_25:
(Start: 34 @16275 has 36 MA's), (126, 16560), (159, 16641), (169, 16671), (176, 16686), (178, 16689), (197, 16725), (200, 16731), (216, 16764), (247, 16830),

Gene: EstebanJulior_7 Start: 6380, Stop: 6949, Start Num: 24
Candidate Starts for EstebanJulior_7:
(Start: 21 @6371 has 52 MA's), (Start: 24 @6380 has 25 MA's), (47, 6425), (81, 6554), (83, 6560), (98, 6623), (113, 6650), (147, 6734), (150, 6740), (168, 6791), (169, 6794), (173, 6806), (179, 6818), (193, 6848), (213, 6893), (228, 6923), (236, 6938), (238, 6941),

Gene: Eudoria_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Eudoria_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Eula_8 Start: 6763, Stop: 7323, Start Num: 32
Candidate Starts for Eula_8:
(Start: 32 @6763 has 91 MA's), (78, 6910), (81, 6916), (87, 6940), (168, 7159), (196, 7222), (228, 7291),

Gene: Eunoia_7 Start: 6351, Stop: 6923, Start Num: 24
Candidate Starts for Eunoia_7:
(Start: 21 @6342 has 52 MA's), (Start: 24 @6351 has 25 MA's), (47, 6396), (60, 6441), (77, 6513), (81, 6525), (83, 6531), (113, 6621), (123, 6651), (145, 6702), (150, 6711), (168, 6762), (169, 6765), (173, 6777), (179, 6789), (193, 6819), (209, 6852), (238, 6912),

Gene: Eureka_15 Start: 9658, Stop: 10224, Start Num: 41
Candidate Starts for Eureka_15:
(Start: 41 @9658 has 135 MA's), (83, 9796), (112, 9886), (115, 9895), (155, 10015), (161, 10042), (186, 10108),

Gene: EvenBluerMoon_9 Start: 7623, Stop: 8138, Start Num: 30
Candidate Starts for EvenBluerMoon_9:
(Start: 30 @7623 has 14 MA's),

Gene: Eviarto_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Eviarto_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Eyre_8 Start: 6591, Stop: 7139, Start Num: 38
Candidate Starts for Eyre_8:
(Start: 38 @6591 has 43 MA's), (87, 6768), (92, 6792), (94, 6801), (147, 6912), (168, 6972), (241, 7116),

Gene: FairyPath_15 Start: 9876, Stop: 10442, Start Num: 41
Candidate Starts for FairyPath_15:
(Start: 41 @9876 has 135 MA's), (83, 10014), (112, 10104), (115, 10113), (155, 10233), (161, 10260), (186, 10326),

Gene: Faith5x5_8 Start: 5916, Stop: 6470, Start Num: 38
Candidate Starts for Faith5x5_8:
(Start: 38 @5916 has 43 MA's), (56, 5967), (59, 5985), (66, 6009), (81, 6072), (87, 6099), (90, 6108), (91, 6117), (92, 6123), (96, 6138), (98, 6141), (138, 6225), (144, 6234), (147, 6240), (168, 6300), (177, 6321), (205, 6381), (225, 6411), (232, 6426),

Gene: Faiyaz_15 Start: 10833, Stop: 11375, Start Num: 43
Candidate Starts for Faiyaz_15:
(Start: 43 @10833 has 8 MA's), (64, 10902), (70, 10923), (79, 10965), (85, 10983), (91, 11016), (98, 11040), (99, 11043), (100, 11046), (147, 11151), (160, 11190), (163, 11196), (164, 11199), (165, 11202), (176, 11232), (189, 11256), (201, 11277), (235, 11346), (245, 11367),

Gene: Familton_42 Start: 21583, Stop: 22188, Start Num: 37
Candidate Starts for Familton_42:
(Start: 37 @21583 has 39 MA's), (Start: 42 @21598 has 2 MA's), (63, 21661), (74, 21709), (75, 21718), (81, 21736), (107, 21826), (116, 21841), (147, 21943), (150, 21949), (163, 21991), (165, 21997), (168, 22006), (169, 22009), (172, 22018), (206, 22081), (235, 22138), (239, 22147), (248, 22174),

Gene: Filch_15 Start: 8898, Stop: 9464, Start Num: 41
Candidate Starts for Filch_15:
(Start: 41 @8898 has 135 MA's), (83, 9036), (112, 9126), (115, 9135), (155, 9255), (161, 9282), (186, 9348),

Gene: Finalfrontier_9 Start: 7274, Stop: 7834, Start Num: 32
Candidate Starts for Finalfrontier_9:
(Start: 32 @7274 has 91 MA's), (78, 7421), (81, 7427), (87, 7451), (168, 7670), (196, 7733), (228, 7802),

Gene: Fingolfin_8 Start: 6715, Stop: 7302, Start Num: 14
Candidate Starts for Fingolfin_8:
(Start: 14 @6715 has 56 MA's), (75, 6895), (88, 6940), (94, 6970), (95, 6973), (113, 7006), (121, 7030), (123, 7036), (143, 7081), (149, 7093), (158, 7120), (179, 7177), (190, 7204), (193, 7207),

Gene: FireRed_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for FireRed_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: Firecracker_41 Start: 21190, Stop: 21795, Start Num: 37
Candidate Starts for Firecracker_41:
(Start: 37 @21190 has 39 MA's), (Start: 42 @21205 has 2 MA's), (63, 21268), (74, 21316), (75, 21325), (81, 21343), (107, 21433), (116, 21448), (147, 21550), (150, 21556), (165, 21604), (168, 21613), (169, 21616), (172, 21625), (206, 21688), (235, 21745), (239, 21754), (248, 21781),

Gene: FlameThrower_8 Start: 6731, Stop: 7282, Start Num: 32
Candidate Starts for FlameThrower_8:
(Start: 32 @6731 has 91 MA's), (78, 6878), (81, 6884), (87, 6908), (94, 6941), (100, 6956), (165, 7109), (196, 7181),

Gene: Fluke_11 Start: 9232, Stop: 9810, Start Num: 21
Candidate Starts for Fluke_11:
(Start: 21 @9232 has 52 MA's), (Start: 24 @9241 has 25 MA's), (47, 9286), (81, 9415), (83, 9421), (92, 9466), (98, 9484), (103, 9499), (113, 9511), (147, 9595), (150, 9601), (168, 9652), (169, 9655), (173, 9667), (179, 9679), (193, 9709), (202, 9730), (213, 9754), (228, 9784), (236, 9799), (238, 9802),

Gene: Flypotenuse_13 Start: 9295, Stop: 9861, Start Num: 41
Candidate Starts for Flypotenuse_13:
(Start: 41 @9295 has 135 MA's), (83, 9433), (112, 9523), (115, 9532), (155, 9652), (161, 9679), (186, 9745),

Gene: FoghornLeghorn_14 Start: 9183, Stop: 9749, Start Num: 41
Candidate Starts for FoghornLeghorn_14:
(Start: 41 @9183 has 135 MA's), (83, 9321), (112, 9411), (115, 9420), (155, 9540), (161, 9567), (186, 9633),

Gene: FoulBall_41 Start: 21577, Stop: 22182, Start Num: 37
Candidate Starts for FoulBall_41:
(Start: 37 @21577 has 39 MA's), (Start: 42 @21592 has 2 MA's), (63, 21655), (74, 21703), (75, 21712), (81, 21730), (107, 21820), (116, 21835), (147, 21937), (150, 21943), (163, 21985), (165, 21991), (168, 22000), (169, 22003), (172, 22012), (206, 22075), (235, 22132), (239, 22141), (248, 22168),

Gene: Franklin22_7 Start: 6606, Stop: 7163, Start Num: 32
Candidate Starts for Franklin22_7:
(Start: 32 @6606 has 91 MA's), (81, 6759), (100, 6831), (147, 6939), (165, 6990), (171, 7008), (193, 7056), (227, 7128),

Gene: Frizzle_6 Start: 5444, Stop: 6055, Start Num: 28
Candidate Starts for Frizzle_6:
(Start: 28 @5444 has 4 MA's), (48, 5483), (75, 5591), (94, 5666), (116, 5711), (136, 5768), (165, 5849), (168, 5858), (184, 5894), (185, 5897), (206, 5927), (218, 5954),

Gene: Fulbright_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Fulbright_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Gack_7 Start: 6676, Stop: 7233, Start Num: 32
Candidate Starts for Gack_7:
(Start: 32 @6676 has 91 MA's), (81, 6829), (92, 6877), (171, 7078),

Gene: Gage_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Gage_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Galaxy_9 Start: 7113, Stop: 7700, Start Num: 14
Candidate Starts for Galaxy_9:
(Start: 14 @7113 has 56 MA's), (75, 7293), (92, 7359), (98, 7377), (106, 7398), (116, 7413), (123, 7434), (179, 7575), (193, 7605),

Gene: Gator_13 Start: 9294, Stop: 9860, Start Num: 41
Candidate Starts for Gator_13:
(Start: 41 @9294 has 135 MA's), (83, 9432), (112, 9522), (115, 9531), (155, 9651), (161, 9678), (186, 9744),

Gene: Gemini_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Gemini_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Gex_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Gex_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Ghobes_6 Start: 5444, Stop: 6055, Start Num: 28

Candidate Starts for Ghobes_6:
(Start: 28 @5444 has 4 MA's), (48, 5483), (75, 5591), (94, 5666), (105, 5693), (116, 5711), (136, 5768), (165, 5849), (184, 5894), (185, 5897), (206, 5927), (218, 5954),

Gene: Gibbzilla_8 Start: 6357, Stop: 6959, Start Num: 16
Candidate Starts for Gibbzilla_8:
(Start: 16 @6357 has 1 MA's), (70, 6498), (75, 6534), (82, 6552), (94, 6606), (97, 6615), (130, 6675), (168, 6801), (169, 6804), (192, 6852), (204, 6876), (240, 6951),

Gene: Gisselle_7 Start: 6382, Stop: 6951, Start Num: 24
Candidate Starts for Gisselle_7:
(Start: 21 @6373 has 52 MA's), (Start: 24 @6382 has 25 MA's), (47, 6427), (81, 6556), (83, 6562), (113, 6652), (125, 6685), (145, 6733), (150, 6742), (168, 6793), (169, 6796), (173, 6808), (179, 6820), (193, 6850), (202, 6871), (213, 6895), (228, 6925), (236, 6940), (238, 6943),

Gene: Glenn_11 Start: 9251, Stop: 9820, Start Num: 24
Candidate Starts for Glenn_11:
(Start: 21 @9242 has 52 MA's), (Start: 24 @9251 has 25 MA's), (47, 9296), (81, 9425), (83, 9431), (92, 9476), (98, 9494), (103, 9509), (106, 9515), (113, 9521), (147, 9605), (150, 9611), (168, 9662), (169, 9665), (179, 9689), (193, 9719), (213, 9764), (228, 9794), (236, 9809), (238, 9812),

Gene: Glexan_13 Start: 9295, Stop: 9861, Start Num: 41
Candidate Starts for Glexan_13:
(Start: 41 @9295 has 135 MA's), (83, 9433), (112, 9523), (115, 9532), (155, 9652), (161, 9679), (186, 9745),

Gene: Glotell_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for Glotell_8:
(Start: 14 @6714 has 56 MA's), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Goib_13 Start: 8885, Stop: 9409, Start Num: 38
Candidate Starts for Goib_13:
(Start: 38 @8885 has 43 MA's), (Start: 55 @8930 has 2 MA's), (74, 9005), (88, 9059), (94, 9089), (110, 9119), (139, 9176), (144, 9200), (162, 9245), (164, 9251), (165, 9254), (197, 9320), (207, 9338), (215, 9356), (235, 9395),

Gene: Goku_15 Start: 9385, Stop: 9951, Start Num: 41
Candidate Starts for Goku_15:
(Start: 41 @9385 has 135 MA's), (83, 9523), (112, 9613), (115, 9622), (155, 9742), (161, 9769), (186, 9835),

Gene: GoldenSpark_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for GoldenSpark_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Goldilocks_16 Start: 9089, Stop: 9655, Start Num: 41
Candidate Starts for Goldilocks_16:
(Start: 41 @9089 has 135 MA's), (83, 9227), (112, 9317), (115, 9326), (155, 9446), (161, 9473), (186, 9539),

Gene: Gonephishing_21 Start: 14102, Stop: 14671, Start Num: 34

Candidate Starts for Gonephishing_21:
(Start: 32 @14099 has 91 MA's), (Start: 34 @14102 has 36 MA's), (Start: 76 @14243 has 1 MA's), (107, 14345), (126, 14387), (166, 14489), (169, 14498), (178, 14516), (197, 14552), (208, 14573), (216, 14591), (233, 14624), (238, 14636), (247, 14657),

Gene: GooberAzure_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for GooberAzure_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: GramZayde_9 Start: 7141, Stop: 7731, Start Num: 14
Candidate Starts for GramZayde_9:
(Start: 14 @7141 has 56 MA's), (Start: 41 @7195 has 135 MA's), (75, 7321), (93, 7390), (95, 7399), (98, 7405), (106, 7426), (120, 7453), (123, 7465), (143, 7510), (179, 7606), (193, 7636), (209, 7669),

Gene: Gravel_10 Start: 7301, Stop: 7888, Start Num: 14
Candidate Starts for Gravel_10:
(Start: 14 @7301 has 56 MA's), (75, 7481), (89, 7529), (95, 7559), (98, 7565), (106, 7586), (114, 7598), (116, 7601), (123, 7622), (135, 7643), (160, 7715), (179, 7763), (209, 7826), (217, 7844),

Gene: Graynor_11 Start: 9254, Stop: 9826, Start Num: 23
Candidate Starts for Graynor_11:
(Start: 23 @9254 has 7 MA's), (77, 9416), (81, 9428), (83, 9434), (92, 9479), (98, 9497), (147, 9608), (150, 9614), (179, 9692), (193, 9722), (213, 9767), (215, 9770), (236, 9812), (238, 9815),

Gene: GreenHearts_11 Start: 9314, Stop: 9892, Start Num: 21
Candidate Starts for GreenHearts_11:
(Start: 21 @9314 has 52 MA's), (Start: 24 @9323 has 25 MA's), (47, 9368), (77, 9485), (81, 9497), (83, 9503), (98, 9566), (113, 9593), (147, 9677), (150, 9683), (160, 9713), (179, 9761), (193, 9791), (238, 9884),

Gene: Greenhouse_11 Start: 9248, Stop: 9817, Start Num: 24
Candidate Starts for Greenhouse_11:
(Start: 21 @9239 has 52 MA's), (Start: 24 @9248 has 25 MA's), (47, 9293), (77, 9410), (81, 9422), (83, 9428), (98, 9491), (147, 9602), (150, 9608), (160, 9638), (179, 9686), (193, 9716), (238, 9809),

Gene: Greep_15 Start: 9463, Stop: 10029, Start Num: 41
Candidate Starts for Greep_15:
(Start: 41 @9463 has 135 MA's), (83, 9601), (112, 9691), (115, 9700), (155, 9820), (161, 9847), (186, 9913),

Gene: Grist_8 Start: 6817, Stop: 7368, Start Num: 32
Candidate Starts for Grist_8:
(Start: 32 @6817 has 91 MA's), (49, 6850), (78, 6964), (81, 6970), (87, 6994), (94, 7027), (100, 7042), (147, 7144), (165, 7195), (196, 7267), (201, 7279),

Gene: Gsput1_10 Start: 7323, Stop: 7862, Start Num: 27
Candidate Starts for Gsput1_10:
(Start: 27 @7323 has 4 MA's), (Start: 38 @7341 has 43 MA's), (74, 7464), (81, 7488), (110, 7578), (139, 7635), (150, 7671), (166, 7716), (191, 7770), (197, 7779), (210, 7806), (211, 7809), (223, 7830), (235, 7854),

Gene: Gudmit_9 Start: 6729, Stop: 7286, Start Num: 38

Candidate Starts for Gudmit_9:
(Start: 38 @6729 has 43 MA's), (56, 6780), (66, 6822), (79, 6876), (82, 6885), (83, 6888), (91, 6927), (92, 6933), (98, 6951), (138, 7041), (144, 7050), (147, 7056), (177, 7137), (203, 7194),

Gene: Gustav_7 Start: 6033, Stop: 6599, Start Num: 30
Candidate Starts for Gustav_7:
(Start: 30 @6033 has 14 MA's), (Start: 55 @6093 has 2 MA's), (67, 6141), (74, 6174), (Start: 76 @6186 has 1 MA's), (83, 6204), (87, 6225), (147, 6378), (150, 6384), (156, 6408), (165, 6444), (190, 6507), (212, 6546), (231, 6582),

Gene: HC_09 Start: 6987, Stop: 7532, Start Num: 37
Candidate Starts for HC_09:
(6, 6801), (8, 6888), (Start: 37 @6987 has 39 MA's), (Start: 51 @7023 has 2 MA's), (74, 7110), (75, 7119), (87, 7164), (94, 7197), (150, 7323), (166, 7374), (235, 7497), (246, 7518),

Gene: Halley_25 Start: 15988, Stop: 16557, Start Num: 34
Candidate Starts for Halley_25:
(Start: 34 @15988 has 36 MA's), (126, 16273), (159, 16354), (169, 16384), (176, 16399), (178, 16402), (197, 16438), (200, 16444), (216, 16477), (247, 16543),

Gene: HamCheese_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for HamCheese_8:
(Start: 14 @6714 has 56 MA's), (70, 6861), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: HanKaySha_15 Start: 8888, Stop: 9454, Start Num: 41
Candidate Starts for HanKaySha_15:
(Start: 41 @8888 has 135 MA's), (83, 9026), (112, 9116), (115, 9125), (155, 9245), (161, 9272), (186, 9338),

Gene: Hanako_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Hanako_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Hannaconda_20 Start: 12609, Stop: 13178, Start Num: 34
Candidate Starts for Hannaconda_20:
(Start: 32 @12606 has 91 MA's), (Start: 34 @12609 has 36 MA's), (Start: 76 @12750 has 1 MA's), (107, 12852), (126, 12894), (166, 12996), (169, 13005), (178, 13023), (185, 13041), (197, 13059), (208, 13080), (216, 13098), (233, 13131), (238, 13143), (247, 13164),

Gene: HannahPhantana_10 Start: 7305, Stop: 7895, Start Num: 14
Candidate Starts for HannahPhantana_10:
(Start: 14 @7305 has 56 MA's), (Start: 41 @7359 has 135 MA's), (75, 7485), (93, 7554), (95, 7563), (98, 7569), (106, 7590), (120, 7617), (123, 7629), (143, 7674), (179, 7770), (193, 7800), (209, 7833),

Gene: Harella_13 Start: 9295, Stop: 9861, Start Num: 41
Candidate Starts for Harella_13:
(Start: 41 @9295 has 135 MA's), (83, 9433), (112, 9523), (115, 9532), (155, 9652), (161, 9679), (186, 9745),

Gene: HeadNerd_7 Start: 6329, Stop: 6907, Start Num: 21
Candidate Starts for HeadNerd_7:
(Start: 21 @6329 has 52 MA's), (Start: 24 @6338 has 25 MA's), (47, 6383), (81, 6512), (83, 6518), (98, 6581), (113, 6608), (147, 6692), (150, 6698), (168, 6749), (169, 6752), (173, 6764), (179, 6776), (193, 6806), (213, 6851), (228, 6881), (236, 6896), (238, 6899),

Gene: Heinz_8 Start: 6314, Stop: 6847, Start Num: 39
Candidate Starts for Heinz_8:
(Start: 39 @6314 has 7 MA's), (74, 6434), (150, 6641), (190, 6752), (221, 6812), (234, 6836),

Gene: Henry_15 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for Henry_15:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: Herb_7 Start: 6353, Stop: 6925, Start Num: 24
Candidate Starts for Herb_7:
(Start: 21 @6344 has 52 MA's), (Start: 24 @6353 has 25 MA's), (47, 6398), (60, 6443), (81, 6527), (83, 6533), (113, 6623), (123, 6653), (145, 6704), (150, 6713), (179, 6791), (193, 6821), (228, 6896), (238, 6914),

Gene: Hereford_10 Start: 7768, Stop: 8283, Start Num: 30
Candidate Starts for Hereford_10:
(Start: 30 @7768 has 14 MA's),

Gene: Herod_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Herod_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Hibiscus_8 Start: 6288, Stop: 6821, Start Num: 39
Candidate Starts for Hibiscus_8:
(Start: 39 @6288 has 7 MA's), (74, 6408), (150, 6615), (157, 6642), (221, 6786), (234, 6810),

Gene: Hidrated_24 Start: 16104, Stop: 16673, Start Num: 34
Candidate Starts for Hidrated_24:
(Start: 34 @16104 has 36 MA's), (93, 16311), (126, 16389), (159, 16470), (169, 16500), (176, 16515), (178, 16518), (197, 16554), (200, 16560), (216, 16593), (240, 16641), (247, 16659),

Gene: Highbury_15 Start: 8807, Stop: 9373, Start Num: 41
Candidate Starts for Highbury_15:
(Start: 41 @8807 has 135 MA's), (83, 8945), (112, 9035), (115, 9044), (155, 9164), (161, 9191), (186, 9257),

Gene: Hilltopfarm_15 Start: 10863, Stop: 11405, Start Num: 43
Candidate Starts for Hilltopfarm_15:
(Start: 43 @10863 has 8 MA's), (64, 10932), (70, 10953), (79, 10995), (85, 11013), (91, 11046), (98, 11070), (99, 11073), (100, 11076), (147, 11181), (160, 11220), (163, 11226), (164, 11229), (165, 11232), (176, 11262), (189, 11286), (201, 11307), (235, 11376), (245, 11397),

Gene: HokkenD_20 Start: 15558, Stop: 16127, Start Num: 34
Candidate Starts for HokkenD_20:

(Start: 34 @15558 has 36 MA's), (126, 15843), (159, 15924), (169, 15954), (176, 15969), (178, 15972), (197, 16008), (200, 16014), (216, 16047), (247, 16113),

Gene: Holt_16 Start: 8962, Stop: 9528, Start Num: 41
Candidate Starts for Holt_16:
(Start: 41 @8962 has 135 MA's), (83, 9100), (112, 9190), (115, 9199), (155, 9319), (161, 9346), (186, 9412),

Gene: Hoonter_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Hoonter_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Hopey_15 Start: 8898, Stop: 9464, Start Num: 41
Candidate Starts for Hopey_15:
(Start: 41 @8898 has 135 MA's), (83, 9036), (112, 9126), (115, 9135), (155, 9255), (161, 9282), (186, 9348),

Gene: Huckleberry_7 Start: 6338, Stop: 6907, Start Num: 24
Candidate Starts for Huckleberry_7:
(Start: 21 @6329 has 52 MA's), (Start: 24 @6338 has 25 MA's), (47, 6383), (81, 6512), (83, 6518), (98, 6581), (113, 6608), (147, 6692), (150, 6698), (168, 6749), (169, 6752), (173, 6764), (179, 6776), (193, 6806), (213, 6851), (228, 6881), (236, 6896), (238, 6899),

Gene: HufflyPuff_13 Start: 9142, Stop: 9708, Start Num: 41
Candidate Starts for HufflyPuff_13:
(Start: 41 @9142 has 135 MA's), (83, 9280), (112, 9370), (115, 9379), (155, 9499), (161, 9526), (186, 9592),

Gene: Huffy_14 Start: 9110, Stop: 9634, Start Num: 38
Candidate Starts for Huffy_14:
(Start: 38 @9110 has 43 MA's), (Start: 55 @9155 has 2 MA's), (74, 9230), (88, 9284), (94, 9314), (110, 9344), (139, 9401), (144, 9425), (162, 9470), (165, 9479), (197, 9545), (207, 9563), (215, 9581), (235, 9620),

Gene: Hughesyang_24 Start: 16171, Stop: 16740, Start Num: 34
Candidate Starts for Hughesyang_24:
(Start: 34 @16171 has 36 MA's), (93, 16378), (126, 16456), (159, 16537), (169, 16567), (176, 16582), (178, 16585), (197, 16621), (200, 16627), (216, 16660), (247, 16726),

Gene: Hugley_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Hugley_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: HunterDalle_7 Start: 6342, Stop: 6923, Start Num: 21
Candidate Starts for HunterDalle_7:
(Start: 21 @6342 has 52 MA's), (Start: 24 @6351 has 25 MA's), (47, 6396), (60, 6441), (77, 6513), (81, 6525), (83, 6531), (113, 6621), (116, 6630), (123, 6651), (145, 6702), (150, 6711), (168, 6762), (169, 6765), (173, 6777), (179, 6789), (193, 6819), (209, 6852), (238, 6912),

Gene: Huntingdon_11 Start: 9225, Stop: 9803, Start Num: 21
Candidate Starts for Huntingdon_11:

(Start: 21 @9225 has 52 MA's), (Start: 24 @9234 has 25 MA's), (47, 9279), (77, 9396), (81, 9408), (83, 9414), (98, 9477), (150, 9594), (179, 9672), (193, 9702), (238, 9795),

Gene: Hyzer_8 Start: 6775, Stop: 7320, Start Num: 38
Candidate Starts for Hyzer_8:
(Start: 38 @6775 has 43 MA's), (63, 6853), (90, 6961), (94, 6985), (98, 6994), (129, 7060), (144, 7090), (147, 7096), (162, 7138), (168, 7156), (188, 7198), (219, 7258),

Gene: IHOP_14 Start: 9338, Stop: 9904, Start Num: 41
Candidate Starts for IHOP_14:
(Start: 41 @9338 has 135 MA's), (83, 9476), (112, 9566), (115, 9575), (155, 9695), (161, 9722), (186, 9788),

Gene: Icarian_9 Start: 7006, Stop: 7557, Start Num: 32
Candidate Starts for Icarian_9:
(Start: 32 @7006 has 91 MA's), (49, 7039), (78, 7153), (87, 7183), (94, 7216), (100, 7231), (147, 7333), (165, 7384), (196, 7456), (209, 7483), (242, 7552),

Gene: Icee_14 Start: 9338, Stop: 9904, Start Num: 41
Candidate Starts for Icee_14:
(Start: 41 @9338 has 135 MA's), (83, 9476), (112, 9566), (115, 9575), (155, 9695), (161, 9722), (186, 9788),

Gene: Idergollasper_41 Start: 21577, Stop: 22182, Start Num: 37
Candidate Starts for Idergollasper_41:
(Start: 37 @21577 has 39 MA's), (Start: 42 @21592 has 2 MA's), (63, 21655), (74, 21703), (75, 21712), (81, 21730), (107, 21820), (116, 21835), (147, 21937), (150, 21943), (163, 21985), (165, 21991), (168, 22000), (169, 22003), (172, 22012), (206, 22075), (235, 22132), (239, 22141), (248, 22168),

Gene: Imara_41 Start: 21386, Stop: 21991, Start Num: 37
Candidate Starts for Imara_41:
(Start: 37 @21386 has 39 MA's), (Start: 42 @21401 has 2 MA's), (63, 21464), (74, 21512), (75, 21521), (107, 21629), (116, 21644), (147, 21746), (150, 21752), (163, 21794), (165, 21800), (168, 21809), (169, 21812), (172, 21821), (206, 21884), (235, 21941), (239, 21950), (248, 21977),

Gene: Immaculata_11 Start: 9236, Stop: 9814, Start Num: 21
Candidate Starts for Immaculata_11:
(Start: 21 @9236 has 52 MA's), (Start: 24 @9245 has 25 MA's), (47, 9290), (81, 9419), (83, 9425), (92, 9470), (98, 9488), (103, 9503), (113, 9515), (145, 9596), (147, 9599), (150, 9605), (168, 9656), (169, 9659), (173, 9671), (179, 9683), (193, 9713), (202, 9734), (213, 9758), (228, 9788), (236, 9803), (238, 9806),

Gene: Impisi_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Impisi_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Inca_14 Start: 8358, Stop: 8924, Start Num: 41
Candidate Starts for Inca_14:
(Start: 41 @8358 has 135 MA's), (83, 8496), (112, 8586), (115, 8595), (155, 8715), (161, 8742), (186, 8808),

Gene: IndyLu_8 Start: 6817, Stop: 7368, Start Num: 32

Candidate Starts for IndyLu_8:
(Start: 32 @6817 has 91 MA's), (49, 6850), (78, 6964), (81, 6970), (87, 6994), (100, 7042), (147, 7144), (165, 7195), (196, 7267), (201, 7279),

Gene: Island3_9 Start: 6988, Stop: 7533, Start Num: 37
Candidate Starts for Island3_9:
(Start: 37 @6988 has 39 MA's), (Start: 51 @7024 has 2 MA's), (54, 7033), (74, 7111), (75, 7120), (87, 7165), (94, 7198), (150, 7324), (166, 7375), (235, 7498), (246, 7519),

Gene: Jabb_8 Start: 6742, Stop: 7302, Start Num: 32
Candidate Starts for Jabb_8:
(Start: 32 @6742 has 91 MA's), (78, 6889), (81, 6895), (87, 6919), (168, 7138), (196, 7201), (228, 7270),

Gene: Jamie19_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Jamie19_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Jamun_9 Start: 7454, Stop: 8041, Start Num: 14
Candidate Starts for Jamun_9:
(Start: 14 @7454 has 56 MA's), (75, 7634), (92, 7700), (95, 7712), (98, 7718), (106, 7739), (116, 7754), (123, 7775), (141, 7811), (179, 7916), (193, 7946),

Gene: JanetJ_9 Start: 7405, Stop: 7920, Start Num: 30
Candidate Starts for JanetJ_9:
(Start: 30 @7405 has 14 MA's),

Gene: JangDynasty_41 Start: 21672, Stop: 22277, Start Num: 37
Candidate Starts for JangDynasty_41:
(Start: 37 @21672 has 39 MA's), (Start: 42 @21687 has 2 MA's), (63, 21750), (74, 21798), (75, 21807), (81, 21825), (107, 21915), (116, 21930), (147, 22032), (150, 22038), (163, 22080), (165, 22086), (168, 22095), (169, 22098), (172, 22107), (206, 22170), (235, 22227), (239, 22236), (248, 22263),

Gene: JeTaime_16 Start: 9938, Stop: 10504, Start Num: 41
Candidate Starts for JeTaime_16:
(Start: 41 @9938 has 135 MA's), (83, 10076), (112, 10166), (115, 10175), (155, 10295), (161, 10322), (186, 10388),

Gene: JeanClaude_8 Start: 6390, Stop: 6908, Start Num: 27
Candidate Starts for JeanClaude_8:
(Start: 27 @6390 has 4 MA's), (Start: 30 @6393 has 14 MA's), (Start: 44 @6423 has 1 MA's), (49, 6432), (50, 6435), (52, 6441), (81, 6558), (86, 6582), (144, 6711), (154, 6741), (165, 6768), (198, 6834), (217, 6873),

Gene: Jerole_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for Jerole_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: Joann_11 Start: 9217, Stop: 9795, Start Num: 21
Candidate Starts for Joann_11:

(Start: 21 @9217 has 52 MA's), (Start: 24 @9226 has 25 MA's), (47, 9271), (77, 9388), (81, 9400), (83, 9406), (98, 9469), (113, 9496), (147, 9580), (150, 9586), (160, 9616), (179, 9664), (193, 9694), (238, 9787),

Gene: Johnathan_8 Start: 6765, Stop: 7325, Start Num: 32
Candidate Starts for Johnathan_8:
(Start: 32 @6765 has 91 MA's), (78, 6912), (81, 6918), (87, 6942), (103, 6999), (165, 7152), (168, 7161), (196, 7224), (228, 7293),

Gene: Jojo24_8 Start: 6283, Stop: 6816, Start Num: 39
Candidate Starts for Jojo24_8:
(Start: 39 @6283 has 7 MA's), (74, 6403), (90, 6463), (150, 6610), (157, 6637), (221, 6781), (234, 6805),

Gene: Journey_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Journey_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Jovita_8 Start: 6864, Stop: 7424, Start Num: 32
Candidate Starts for Jovita_8:
(Start: 32 @6864 has 91 MA's), (78, 7011), (81, 7017), (87, 7041), (168, 7260), (196, 7323), (228, 7392),

Gene: JuicyJay_27 Start: 16822, Stop: 17391, Start Num: 34
Candidate Starts for JuicyJay_27:
(Start: 34 @16822 has 36 MA's), (75, 16960), (126, 17107), (159, 17188), (169, 17218), (176, 17233), (178, 17236), (197, 17272), (200, 17278), (216, 17311), (247, 17377),

Gene: Jumboset_11 Start: 9185, Stop: 9763, Start Num: 21
Candidate Starts for Jumboset_11:
(Start: 21 @9185 has 52 MA's), (Start: 24 @9194 has 25 MA's), (47, 9239), (81, 9368), (83, 9374), (92, 9419), (98, 9437), (103, 9452), (113, 9464), (147, 9548), (150, 9554), (168, 9605), (169, 9608), (179, 9632), (193, 9662), (202, 9683), (213, 9707), (228, 9737), (236, 9752), (238, 9755),

Gene: Juno112_8 Start: 6715, Stop: 7302, Start Num: 14
Candidate Starts for Juno112_8:
(Start: 14 @6715 has 56 MA's), (75, 6895), (88, 6940), (94, 6970), (95, 6973), (113, 7006), (121, 7030), (123, 7036), (143, 7081), (149, 7093), (158, 7120), (179, 7177), (190, 7204), (193, 7207),

Gene: KHumphrey_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for KHumphrey_8:
(Start: 14 @6714 has 56 MA's), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Kalah2_26 Start: 16590, Stop: 17159, Start Num: 34
Candidate Starts for Kalah2_26:
(Start: 34 @16590 has 36 MA's), (126, 16875), (159, 16956), (169, 16986), (176, 17001), (178, 17004), (197, 17040), (200, 17046), (216, 17079), (247, 17145),

Gene: Kalizoi_11 Start: 9184, Stop: 9762, Start Num: 21
Candidate Starts for Kalizoi_11:

(Start: 21 @9184 has 52 MA's), (Start: 24 @9193 has 25 MA's), (47, 9238), (81, 9367), (83, 9373), (92, 9418), (98, 9436), (103, 9451), (113, 9463), (145, 9544), (147, 9547), (150, 9553), (168, 9604), (169, 9607), (173, 9619), (179, 9631), (193, 9661), (202, 9682), (213, 9706), (228, 9736), (236, 9751), (238, 9754),

Gene: Kamdara_8 Start: 6995, Stop: 7552, Start Num: 32
Candidate Starts for Kamdara_8:
(Start: 32 @6995 has 91 MA's), (78, 7142), (87, 7172), (145, 7325), (168, 7388), (196, 7451), (228, 7520),

Gene: Kanye_16 Start: 10126, Stop: 10692, Start Num: 41
Candidate Starts for Kanye_16:
(Start: 41 @10126 has 135 MA's), (83, 10264), (112, 10354), (115, 10363), (155, 10483), (161, 10510), (186, 10576),

Gene: KashFlow_17 Start: 12175, Stop: 12744, Start Num: 34
Candidate Starts for KashFlow_17:
(Start: 32 @12172 has 91 MA's), (Start: 34 @12175 has 36 MA's), (Start: 76 @12316 has 1 MA's), (107, 12418), (126, 12460), (166, 12562), (178, 12589), (208, 12646), (216, 12664), (233, 12697), (247, 12730),

Gene: Kate33_8 Start: 6816, Stop: 7367, Start Num: 32
Candidate Starts for Kate33_8:
(Start: 32 @6816 has 91 MA's), (49, 6849), (78, 6963), (81, 6969), (87, 6993), (94, 7026), (100, 7041), (147, 7143), (165, 7194), (196, 7266), (201, 7278),

Gene: Katzastrophic_8 Start: 6906, Stop: 7457, Start Num: 32
Candidate Starts for Katzastrophic_8:
(Start: 32 @6906 has 91 MA's), (78, 7053), (81, 7059), (87, 7083), (94, 7116), (100, 7131), (165, 7284), (196, 7356),

Gene: KendraB23_10 Start: 7302, Stop: 7889, Start Num: 14
Candidate Starts for KendraB23_10:
(Start: 14 @7302 has 56 MA's), (75, 7482), (89, 7530), (95, 7560), (98, 7566), (106, 7587), (114, 7599), (116, 7602), (123, 7623), (135, 7644), (160, 7716), (179, 7764), (209, 7827), (217, 7845),

Gene: Kenzers_8 Start: 6779, Stop: 7339, Start Num: 32
Candidate Starts for Kenzers_8:
(Start: 32 @6779 has 91 MA's), (49, 6812), (78, 6926), (81, 6932), (87, 6956), (103, 7013), (109, 7022), (145, 7112), (196, 7238), (228, 7307),

Gene: Kepler_9 Start: 7140, Stop: 7730, Start Num: 14
Candidate Starts for Kepler_9:
(Start: 14 @7140 has 56 MA's), (Start: 41 @7194 has 135 MA's), (75, 7320), (93, 7389), (95, 7398), (98, 7404), (106, 7425), (120, 7452), (123, 7464), (143, 7509), (179, 7605), (193, 7635), (209, 7668),

Gene: Kevin1_8 Start: 5970, Stop: 6461, Start Num: 58
Candidate Starts for Kevin1_8:
(13, 5859), (18, 5871), (Start: 58 @5970 has 47 MA's), (70, 6009), (87, 6087), (98, 6129), (113, 6156), (125, 6189), (150, 6246), (158, 6273), (165, 6294), (167, 6300), (206, 6369), (222, 6402), (244, 6444),

Gene: Khuang_7 Start: 5855, Stop: 6379, Start Num: 43
Candidate Starts for Khuang_7:

(Start: 43 @5855 has 8 MA's), (147, 6161), (160, 6197), (183, 6251), (197, 6275),

Gene: Kieran_8 Start: 6999, Stop: 7556, Start Num: 32
Candidate Starts for Kieran_8:
(Start: 32 @6999 has 91 MA's), (78, 7146), (87, 7176), (145, 7329), (168, 7392), (196, 7455), (228, 7524),

Gene: Kimchi_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Kimchi_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: KingBob_7 Start: 6353, Stop: 6925, Start Num: 24
Candidate Starts for KingBob_7:
(Start: 21 @6344 has 52 MA's), (Start: 24 @6353 has 25 MA's), (47, 6398), (60, 6443), (81, 6527), (83, 6533), (113, 6623), (123, 6653), (145, 6704), (150, 6713), (179, 6791), (193, 6821), (228, 6896), (238, 6914),

Gene: KingPhillip3_41 Start: 21577, Stop: 22182, Start Num: 37
Candidate Starts for KingPhillip3_41:
(Start: 37 @21577 has 39 MA's), (Start: 42 @21592 has 2 MA's), (63, 21655), (74, 21703), (75, 21712), (81, 21730), (107, 21820), (116, 21835), (147, 21937), (150, 21943), (163, 21985), (165, 21991), (168, 22000), (169, 22003), (172, 22012), (206, 22075), (235, 22132), (239, 22141), (248, 22168),

Gene: Kita_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Kita_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Kittykat_7 Start: 6370, Stop: 6948, Start Num: 21
Candidate Starts for Kittykat_7:
(Start: 21 @6370 has 52 MA's), (Start: 24 @6379 has 25 MA's), (47, 6424), (81, 6553), (113, 6649), (125, 6682), (145, 6730), (150, 6739), (168, 6790), (169, 6793), (173, 6805), (179, 6817), (193, 6847), (202, 6868), (213, 6892), (228, 6922), (238, 6940),

Gene: Klein_25 Start: 15568, Stop: 16137, Start Num: 34
Candidate Starts for Klein_25:
(Start: 34 @15568 has 36 MA's), (75, 15706), (93, 15775), (126, 15853), (159, 15934), (169, 15964), (176, 15979), (178, 15982), (197, 16018), (200, 16024), (216, 16057), (247, 16123),

Gene: Korra_11 Start: 9199, Stop: 9768, Start Num: 24
Candidate Starts for Korra_11:
(Start: 21 @9190 has 52 MA's), (Start: 24 @9199 has 25 MA's), (47, 9244), (81, 9373), (83, 9379), (92, 9424), (98, 9442), (103, 9457), (113, 9469), (145, 9550), (147, 9553), (150, 9559), (168, 9610), (169, 9613), (173, 9625), (179, 9637), (193, 9667), (202, 9688), (213, 9712), (228, 9742), (236, 9757), (238, 9760),

Gene: Kostya_15 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for Kostya_15:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: Krili_40 Start: 21294, Stop: 21899, Start Num: 37

Candidate Starts for Krili_40:
(Start: 37 @21294 has 39 MA's), (63, 21372), (74, 21420), (75, 21429), (81, 21447), (107, 21537), (116, 21552), (147, 21654), (150, 21660), (165, 21708), (168, 21717), (169, 21720), (172, 21729), (206, 21792), (235, 21849), (239, 21858), (248, 21885),

Gene: Kuleana_9 Start: 7105, Stop: 7692, Start Num: 14
Candidate Starts for Kuleana_9:
(Start: 14 @7105 has 56 MA's), (75, 7285), (93, 7354), (94, 7360), (95, 7363), (106, 7390), (123, 7426), (179, 7567), (193, 7597),

Gene: Kumotta_9 Start: 7342, Stop: 7839, Start Num: 42
Candidate Starts for Kumotta_9:
(Start: 42 @7342 has 2 MA's), (Start: 44 @7345 has 1 MA's), (49, 7357), (Start: 55 @7375 has 2 MA's), (63, 7411), (87, 7510), (94, 7543), (118, 7591), (123, 7606), (164, 7696), (165, 7699), (182, 7735), (198, 7765),

Gene: Lahqtemish_8 Start: 6855, Stop: 7412, Start Num: 32
Candidate Starts for Lahqtemish_8:
(Start: 32 @6855 has 91 MA's), (78, 7002), (81, 7008), (87, 7032), (147, 7188), (165, 7239), (196, 7311), (201, 7323), (209, 7338),

Gene: Lakshmi_11 Start: 9244, Stop: 9822, Start Num: 21
Candidate Starts for Lakshmi_11:
(Start: 21 @9244 has 52 MA's), (Start: 24 @9253 has 25 MA's), (47, 9298), (77, 9415), (81, 9427), (83, 9433), (98, 9496), (113, 9523), (147, 9607), (150, 9613), (160, 9643), (179, 9691), (193, 9721), (238, 9814),

Gene: Laphuphu24k_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for Laphuphu24k_8:
(Start: 14 @6714 has 56 MA's), (70, 6861), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Lasagna_7 Start: 6336, Stop: 6905, Start Num: 24
Candidate Starts for Lasagna_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: Lennox_7 Start: 6327, Stop: 6905, Start Num: 21
Candidate Starts for Lennox_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (103, 6594), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: Leona_8 Start: 6765, Stop: 7352, Start Num: 14
Candidate Starts for Leona_8:
(Start: 14 @6765 has 56 MA's), (Start: 55 @6858 has 2 MA's), (63, 6888), (75, 6945), (94, 7020), (95, 7023), (106, 7050), (123, 7086), (143, 7131), (154, 7161), (179, 7227), (190, 7254), (193, 7257),

Gene: LilStuart_7 Start: 6327, Stop: 6905, Start Num: 21
Candidate Starts for LilStuart_7:

(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (103, 6594), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: Lilac_16 Start: 8634, Stop: 9200, Start Num: 41
Candidate Starts for Lilac_16:
(Start: 41 @8634 has 135 MA's), (83, 8772), (112, 8862), (115, 8871), (155, 8991), (161, 9018), (186, 9084),

Gene: Lilizi_16 Start: 8845, Stop: 9411, Start Num: 41
Candidate Starts for Lilizi_16:
(Start: 41 @8845 has 135 MA's), (83, 8983), (112, 9073), (115, 9082), (155, 9202), (161, 9229), (186, 9295),

Gene: Lilo27_8 Start: 6745, Stop: 7302, Start Num: 32
Candidate Starts for Lilo27_8:
(Start: 32 @6745 has 91 MA's), (78, 6892), (81, 6898), (87, 6922), (134, 7045), (168, 7138), (196, 7201), (228, 7270), (242, 7297),

Gene: Lilpickle_13 Start: 8353, Stop: 8919, Start Num: 41
Candidate Starts for Lilpickle_13:
(Start: 41 @8353 has 135 MA's), (83, 8491), (112, 8581), (115, 8590), (155, 8710), (161, 8737), (186, 8803),

Gene: LimaBean_8 Start: 6765, Stop: 7325, Start Num: 32
Candidate Starts for LimaBean_8:
(Start: 32 @6765 has 91 MA's), (78, 6912), (81, 6918), (87, 6942), (103, 6999), (165, 7152), (168, 7161), (196, 7224), (228, 7293),

Gene: Litotes_11 Start: 9218, Stop: 9790, Start Num: 23
Candidate Starts for Litotes_11:
(Start: 23 @9218 has 7 MA's), (77, 9380), (81, 9392), (83, 9398), (92, 9443), (98, 9461), (147, 9572), (150, 9578), (179, 9656), (193, 9686), (213, 9731), (215, 9734), (236, 9776), (238, 9779),

Gene: LittleE_23 Start: 15311, Stop: 15883, Start Num: 32
Candidate Starts for LittleE_23:
(Start: 32 @15311 has 91 MA's), (Start: 34 @15314 has 36 MA's), (Start: 76 @15455 has 1 MA's), (107, 15557), (126, 15599), (166, 15701), (169, 15710), (178, 15728), (197, 15764), (208, 15785), (216, 15803), (233, 15836), (238, 15848), (247, 15869),

Gene: LittleTokyo_9 Start: 7047, Stop: 7634, Start Num: 14
Candidate Starts for LittleTokyo_9:
(Start: 14 @7047 has 56 MA's), (95, 7305), (104, 7329), (106, 7332), (116, 7347), (123, 7368), (143, 7413), (149, 7425), (154, 7443), (179, 7509), (193, 7539),

Gene: Livelaughbron_14 Start: 9276, Stop: 9842, Start Num: 41
Candidate Starts for Livelaughbron_14:
(Start: 41 @9276 has 135 MA's), (83, 9414), (112, 9504), (115, 9513), (155, 9633), (161, 9660), (186, 9726),

Gene: Loviatar_8 Start: 7027, Stop: 7578, Start Num: 32
Candidate Starts for Loviatar_8:

(Start: 32 @7027 has 91 MA's), (78, 7174), (87, 7204), (94, 7237), (100, 7252), (147, 7354), (165, 7405), (196, 7477), (209, 7504),

Gene: Lton_8 Start: 5970, Stop: 6524, Start Num: 38
Candidate Starts for Lton_8:
(Start: 38 @5970 has 43 MA's), (52, 6006), (56, 6021), (59, 6039), (66, 6063), (81, 6126), (87, 6153), (90, 6162), (92, 6177), (99, 6198), (138, 6279), (144, 6288), (147, 6294), (182, 6390), (225, 6465), (231, 6477), (232, 6480),

Gene: Lucky2013_23 Start: 14054, Stop: 14626, Start Num: 32
Candidate Starts for Lucky2013_23:
(Start: 32 @14054 has 91 MA's), (Start: 34 @14057 has 36 MA's), (Start: 76 @14198 has 1 MA's), (107, 14300), (126, 14342), (166, 14444), (178, 14471), (208, 14528), (216, 14546), (233, 14579), (247, 14612),

Gene: Lucy_7 Start: 6318, Stop: 6896, Start Num: 21
Candidate Starts for Lucy_7:
(Start: 21 @6318 has 52 MA's), (Start: 24 @6327 has 25 MA's), (47, 6372), (81, 6501), (83, 6507), (98, 6570), (103, 6585), (113, 6597), (145, 6678), (147, 6681), (150, 6687), (168, 6738), (169, 6741), (179, 6765), (193, 6795), (213, 6840), (228, 6870), (236, 6885), (238, 6888),

Gene: Lunar_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for Lunar_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: Lynlen_8 Start: 6779, Stop: 7339, Start Num: 32
Candidate Starts for Lynlen_8:
(Start: 32 @6779 has 91 MA's), (49, 6812), (78, 6926), (81, 6932), (87, 6956), (103, 7013), (109, 7022), (145, 7112), (196, 7238), (228, 7307),

Gene: MISSy_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for MISSy_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: MPhalcon_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for MPhalcon_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: MadKillah_42 Start: 21516, Stop: 22121, Start Num: 37
Candidate Starts for MadKillah_42:
(Start: 37 @21516 has 39 MA's), (Start: 42 @21531 has 2 MA's), (63, 21594), (74, 21642), (75, 21651), (81, 21669), (107, 21759), (116, 21774), (147, 21876), (150, 21882), (163, 21924), (165, 21930), (168, 21939), (169, 21942), (172, 21951), (206, 22014), (235, 22071), (239, 22080), (248, 22107),

Gene: MadamMonkfish_14 Start: 8564, Stop: 9130, Start Num: 41
Candidate Starts for MadamMonkfish_14:
(Start: 41 @8564 has 135 MA's), (83, 8702), (112, 8792), (115, 8801), (155, 8921), (161, 8948), (186, 9014),

Gene: Madavieve_8 Start: 6774, Stop: 7319, Start Num: 38

Candidate Starts for Madavieve_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (96, 6990), (129, 7059), (144, 7089), (147, 7095), (168, 7155), (188, 7197), (219, 7257),

Gene: Madeline_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Madeline_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (148, 7098), (168, 7155), (188, 7197),

Gene: Magsby_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Magsby_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Mahdia_7 Start: 6047, Stop: 6601, Start Num: 30
Candidate Starts for Mahdia_7:
(Start: 30 @6047 has 14 MA's), (Start: 55 @6107 has 2 MA's), (67, 6155), (74, 6188), (Start: 76 @6200 has 1 MA's), (83, 6218), (87, 6239), (129, 6356), (147, 6395), (172, 6467), (190, 6509),

Gene: Maja_8 Start: 6915, Stop: 7427, Start Num: 30
Candidate Starts for Maja_8:
(4, 6702), (Start: 27 @6912 has 4 MA's), (Start: 30 @6915 has 14 MA's), (49, 6954), (75, 7065), (81, 7080), (86, 7104), (93, 7131), (116, 7179), (144, 7233), (147, 7239), (151, 7248), (210, 7383),

Gene: Makoto_7 Start: 6327, Stop: 6905, Start Num: 21
Candidate Starts for Makoto_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (103, 6594), (113, 6606), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: MamaPearl_7 Start: 6380, Stop: 6949, Start Num: 24
Candidate Starts for MamaPearl_7:
(Start: 21 @6371 has 52 MA's), (Start: 24 @6380 has 25 MA's), (47, 6425), (81, 6554), (83, 6560), (98, 6623), (113, 6650), (147, 6734), (150, 6740), (168, 6791), (169, 6794), (173, 6806), (179, 6818), (193, 6848), (213, 6893), (228, 6923), (236, 6938), (238, 6941),

Gene: Manasvini_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Manasvini_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Manda_15 Start: 9648, Stop: 10214, Start Num: 41
Candidate Starts for Manda_15:
(Start: 41 @9648 has 135 MA's), (83, 9786), (112, 9876), (115, 9885), (155, 10005), (161, 10032), (186, 10098),

Gene: MargaretKali_9 Start: 6988, Stop: 7473, Start Num: 44
Candidate Starts for MargaretKali_9:
(Start: 44 @6988 has 1 MA's), (49, 6997), (70, 7075), (75, 7108), (83, 7129), (86, 7147), (98, 7189), (160, 7321), (170, 7348),

Gene: Maria1952_7 Start: 6344, Stop: 6925, Start Num: 21

Candidate Starts for Maria1952_7:
(Start: 21 @6344 has 52 MA's), (Start: 24 @6353 has 25 MA's), (47, 6398), (60, 6443), (81, 6527), (83, 6533), (113, 6623), (123, 6653), (145, 6704), (150, 6713), (179, 6791), (193, 6821), (228, 6896), (238, 6914),

Gene: Maridalia_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Maridalia_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Marleymoo_26 Start: 16649, Stop: 17218, Start Num: 34
Candidate Starts for Marleymoo_26:
(Start: 34 @16649 has 36 MA's), (93, 16856), (126, 16934), (159, 17015), (169, 17045), (176, 17060), (178, 17063), (197, 17099), (200, 17105), (216, 17138), (240, 17186), (247, 17204),

Gene: Marshmallow_15 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for Marshmallow_15:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: Maxxinista_15 Start: 8613, Stop: 9179, Start Num: 41
Candidate Starts for Maxxinista_15:
(Start: 41 @8613 has 135 MA's), (83, 8751), (112, 8841), (115, 8850), (155, 8970), (161, 8997), (186, 9063),

Gene: Mcklovin_9 Start: 7233, Stop: 7778, Start Num: 38
Candidate Starts for Mcklovin_9:
(Start: 38 @7233 has 43 MA's), (63, 7311), (80, 7380), (81, 7383), (87, 7410), (90, 7419), (92, 7434), (94, 7443), (98, 7452), (129, 7518), (144, 7548), (147, 7554), (168, 7614), (188, 7656), (219, 7716),

Gene: MeganNoll_11 Start: 9242, Stop: 9820, Start Num: 21
Candidate Starts for MeganNoll_11:
(Start: 21 @9242 has 52 MA's), (Start: 24 @9251 has 25 MA's), (47, 9296), (81, 9425), (83, 9431), (92, 9476), (98, 9494), (103, 9509), (113, 9521), (147, 9605), (150, 9611), (168, 9662), (169, 9665), (179, 9689), (193, 9719), (202, 9740), (213, 9764), (228, 9794), (236, 9809), (238, 9812),

Gene: Melons_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for Melons_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: Melville_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Melville_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: MiaZeal_23 Start: 13745, Stop: 14317, Start Num: 32
Candidate Starts for MiaZeal_23:
(Start: 32 @13745 has 91 MA's), (Start: 34 @13748 has 36 MA's), (Start: 76 @13889 has 1 MA's), (107, 13991), (126, 14033), (166, 14135), (169, 14144), (178, 14162), (197, 14198), (208, 14219), (216, 14237), (233, 14270), (238, 14282), (247, 14303),

Gene: MichelleMyBell_8 Start: 5990, Stop: 6481, Start Num: 58
Candidate Starts for MichelleMyBell_8:
(9, 5834), (13, 5879), (18, 5891), (Start: 58 @5990 has 47 MA's), (70, 6029), (80, 6077), (87, 6107), (98, 6149), (113, 6176), (125, 6209), (150, 6266), (158, 6293), (165, 6314), (167, 6320), (206, 6389), (222, 6422), (244, 6464),

Gene: Milomuff_9 Start: 7151, Stop: 7711, Start Num: 32
Candidate Starts for Milomuff_9:
(Start: 32 @7151 has 91 MA's), (78, 7298), (81, 7304), (87, 7328), (103, 7385), (165, 7538), (168, 7547), (196, 7610), (228, 7679),

Gene: Mindy_15 Start: 9457, Stop: 10023, Start Num: 41
Candidate Starts for Mindy_15:
(Start: 41 @9457 has 135 MA's), (83, 9595), (112, 9685), (115, 9694), (155, 9814), (161, 9841), (186, 9907),

Gene: Minerva_25 Start: 16053, Stop: 16622, Start Num: 34
Candidate Starts for Minerva_25:
(Start: 34 @16053 has 36 MA's), (75, 16191), (126, 16338), (159, 16419), (169, 16449), (176, 16464), (178, 16467), (197, 16503), (200, 16509), (216, 16542), (247, 16608),

Gene: Miniwave_15 Start: 9876, Stop: 10442, Start Num: 41
Candidate Starts for Miniwave_15:
(Start: 41 @9876 has 135 MA's), (83, 10014), (112, 10104), (115, 10113), (155, 10233), (161, 10260), (186, 10326),

Gene: Misaeng_11 Start: 9290, Stop: 9868, Start Num: 21
Candidate Starts for Misaeng_11:
(Start: 21 @9290 has 52 MA's), (Start: 24 @9299 has 25 MA's), (47, 9344), (77, 9461), (81, 9473), (83, 9479), (98, 9542), (125, 9602), (150, 9659), (179, 9737), (193, 9767), (238, 9860),

Gene: Misfit_14 Start: 9230, Stop: 9796, Start Num: 41
Candidate Starts for Misfit_14:
(Start: 41 @9230 has 135 MA's), (83, 9368), (112, 9458), (115, 9467), (155, 9587), (161, 9614), (186, 9680),

Gene: Moki_7 Start: 6329, Stop: 6907, Start Num: 21
Candidate Starts for Moki_7:
(Start: 21 @6329 has 52 MA's), (Start: 24 @6338 has 25 MA's), (47, 6383), (81, 6512), (83, 6518), (98, 6581), (113, 6608), (147, 6692), (150, 6698), (168, 6749), (169, 6752), (173, 6764), (179, 6776), (193, 6806), (213, 6851), (228, 6881), (236, 6896), (238, 6899),

Gene: Moldemort_15 Start: 8888, Stop: 9454, Start Num: 41
Candidate Starts for Moldemort_15:
(Start: 41 @8888 has 135 MA's), (83, 9026), (112, 9116), (115, 9125), (155, 9245), (161, 9272), (186, 9338),

Gene: MollyToe_15 Start: 9848, Stop: 10414, Start Num: 41
Candidate Starts for MollyToe_15:
(Start: 41 @9848 has 135 MA's), (83, 9986), (112, 10076), (115, 10085), (155, 10205), (161, 10232), (186, 10298),

Gene: MooMoo_7 Start: 5220, Stop: 5819, Start Num: 37

Candidate Starts for MooMoo_7:
(Start: 37 @5220 has 39 MA's), (47, 5244), (67, 5319), (168, 5628), (172, 5640), (189, 5679), (235, 5769), (248, 5805),

Gene: Moosehead_8 Start: 5907, Stop: 6467, Start Num: 38
Candidate Starts for Moosehead_8:
(Start: 38 @5907 has 43 MA's), (56, 5958), (59, 5976), (66, 6000), (81, 6063), (92, 6114), (138, 6213), (144, 6222), (147, 6228), (168, 6288), (177, 6309), (225, 6408), (232, 6423),

Gene: Mori_40 Start: 21165, Stop: 21770, Start Num: 37
Candidate Starts for Mori_40:
(Start: 37 @21165 has 39 MA's), (Start: 42 @21180 has 2 MA's), (63, 21243), (74, 21291), (75, 21300), (81, 21318), (107, 21408), (116, 21423), (147, 21525), (150, 21531), (163, 21573), (165, 21579), (168, 21588), (169, 21591), (172, 21600), (206, 21663), (235, 21720), (239, 21729), (248, 21756),

Gene: Morrey_13 Start: 7625, Stop: 8140, Start Num: 30
Candidate Starts for Morrey_13:
(Start: 30 @7625 has 14 MA's),

Gene: Morrissey_7 Start: 6029, Stop: 6574, Start Num: 29
Candidate Starts for Morrissey_7:
(Start: 29 @6029 has 1 MA's), (67, 6131), (Start: 76 @6176 has 1 MA's), (83, 6194), (86, 6212), (147, 6368), (150, 6374), (172, 6440), (190, 6482), (231, 6557),

Gene: Mosby_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for Mosby_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: MrBoss_11 Start: 9218, Stop: 9790, Start Num: 23
Candidate Starts for MrBoss_11:
(Start: 23 @9218 has 7 MA's), (77, 9380), (81, 9392), (83, 9398), (92, 9443), (98, 9461), (145, 9569), (147, 9572), (150, 9578), (179, 9656), (193, 9686), (213, 9731), (215, 9734), (236, 9776), (238, 9779),

Gene: MrGloopy_11 Start: 9175, Stop: 9753, Start Num: 21
Candidate Starts for MrGloopy_11:
(Start: 21 @9175 has 52 MA's), (Start: 24 @9184 has 25 MA's), (47, 9229), (81, 9358), (83, 9364), (92, 9409), (98, 9427), (103, 9442), (106, 9448), (113, 9454), (147, 9538), (150, 9544), (168, 9595), (169, 9598), (179, 9622), (193, 9652), (202, 9673), (213, 9697), (228, 9727), (236, 9742), (238, 9745),

Gene: MsUbiquitous_8 Start: 6742, Stop: 7302, Start Num: 32
Candidate Starts for MsUbiquitous_8:
(Start: 32 @6742 has 91 MA's), (78, 6889), (81, 6895), (87, 6919), (168, 7138), (196, 7201), (228, 7270),

Gene: Murai_41 Start: 21355, Stop: 21960, Start Num: 37
Candidate Starts for Murai_41:
(Start: 37 @21355 has 39 MA's), (63, 21433), (74, 21481), (75, 21490), (81, 21508), (107, 21598), (116, 21613), (147, 21715), (150, 21721), (165, 21769), (168, 21778), (169, 21781), (172, 21790), (206, 21853), (235, 21910), (239, 21919), (248, 21946),

Gene: Murica_13 Start: 9142, Stop: 9708, Start Num: 41
Candidate Starts for Murica_13:

(Start: 41 @9142 has 135 MA's), (83, 9280), (112, 9370), (115, 9379), (155, 9499), (161, 9526), (186, 9592),

Gene: Murphy_14 Start: 8605, Stop: 9171, Start Num: 41
Candidate Starts for Murphy_14:
(Start: 41 @8605 has 135 MA's), (83, 8743), (112, 8833), (115, 8842), (155, 8962), (161, 8989), (186, 9055),

Gene: Myrale_15 Start: 9549, Stop: 10115, Start Num: 41
Candidate Starts for Myrale_15:
(Start: 41 @9549 has 135 MA's), (83, 9687), (112, 9777), (115, 9786), (155, 9906), (161, 9933), (186, 9999),

Gene: Nala_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for Nala_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: Nancia_7 Start: 6327, Stop: 6905, Start Num: 21
Candidate Starts for Nancia_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: Nekros_23 Start: 15994, Stop: 16563, Start Num: 34
Candidate Starts for Nekros_23:
(Start: 32 @15991 has 91 MA's), (Start: 34 @15994 has 36 MA's), (Start: 76 @16135 has 1 MA's), (107, 16237), (126, 16279), (166, 16381), (169, 16390), (178, 16408), (197, 16444), (208, 16465), (216, 16483), (233, 16516), (238, 16528), (247, 16549),

Gene: NelitzaMV_15 Start: 9748, Stop: 10314, Start Num: 41
Candidate Starts for NelitzaMV_15:
(Start: 41 @9748 has 135 MA's), (83, 9886), (112, 9976), (115, 9985), (155, 10105), (161, 10132), (186, 10198),

Gene: Nenae_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Nenae_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Neobush_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Neobush_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Niblet_9 Start: 7090, Stop: 7677, Start Num: 14
Candidate Starts for Niblet_9:
(Start: 14 @7090 has 56 MA's), (75, 7270), (89, 7318), (95, 7348), (98, 7354), (106, 7375), (116, 7390), (123, 7411), (135, 7432), (146, 7462), (179, 7552), (209, 7615),

Gene: Nibley_18 Start: 12676, Stop: 13245, Start Num: 34
Candidate Starts for Nibley_18:

(Start: 32 @12673 has 91 MA's), (Start: 34 @12676 has 36 MA's), (Start: 76 @12817 has 1 MA's), (107, 12919), (126, 12961), (166, 13063), (169, 13072), (178, 13090), (197, 13126), (208, 13147), (216, 13165), (233, 13198), (238, 13210), (247, 13231),

Gene: Nicky22_9 Start: 7213, Stop: 7773, Start Num: 32
Candidate Starts for Nicky22_9:
(Start: 32 @7213 has 91 MA's), (78, 7360), (81, 7366), (87, 7390), (168, 7609), (196, 7672), (228, 7741),

Gene: NiebruSaylor_40 Start: 21166, Stop: 21771, Start Num: 37
Candidate Starts for NiebruSaylor_40:
(Start: 37 @21166 has 39 MA's), (Start: 42 @21181 has 2 MA's), (63, 21244), (74, 21292), (75, 21301), (81, 21319), (107, 21409), (116, 21424), (147, 21526), (150, 21532), (163, 21574), (165, 21580), (168, 21589), (169, 21592), (172, 21601), (206, 21664), (235, 21721), (239, 21730), (248, 21757),

Gene: NihilNomen_24 Start: 16050, Stop: 16619, Start Num: 34
Candidate Starts for NihilNomen_24:
(Start: 34 @16050 has 36 MA's), (75, 16188), (93, 16257), (126, 16335), (159, 16416), (169, 16446), (176, 16461), (178, 16464), (197, 16500), (200, 16506), (216, 16539), (247, 16605),

Gene: Nimrod_14 Start: 9385, Stop: 9951, Start Num: 41
Candidate Starts for Nimrod_14:
(Start: 41 @9385 has 135 MA's), (83, 9523), (112, 9613), (115, 9622), (155, 9742), (161, 9769), (186, 9835),

Gene: NoSleep_15 Start: 8885, Stop: 9451, Start Num: 41
Candidate Starts for NoSleep_15:
(Start: 41 @8885 has 135 MA's), (83, 9023), (112, 9113), (115, 9122), (155, 9242), (161, 9269), (186, 9335),

Gene: NoSwimming_10 Start: 8529, Stop: 9050, Start Num: 33
Candidate Starts for NoSwimming_10:
(Start: 33 @8529 has 2 MA's), (Start: 44 @8553 has 1 MA's), (88, 8718), (123, 8811), (147, 8853), (192, 8955), (198, 8970),

Gene: NonchalantPear_14 Start: 8838, Stop: 9404, Start Num: 41
Candidate Starts for NonchalantPear_14:
(Start: 41 @8838 has 135 MA's), (83, 8976), (112, 9066), (115, 9075), (155, 9195), (161, 9222), (186, 9288),

Gene: Nubia_11 Start: 9213, Stop: 9782, Start Num: 24
Candidate Starts for Nubia_11:
(Start: 21 @9204 has 52 MA's), (Start: 24 @9213 has 25 MA's), (47, 9258), (77, 9375), (81, 9387), (83, 9393), (98, 9456), (113, 9483), (147, 9567), (150, 9573), (160, 9603), (179, 9651), (193, 9681), (238, 9774),

Gene: Nymphadora_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Nymphadora_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: OMalley_7 Start: 6342, Stop: 6923, Start Num: 21
Candidate Starts for OMalley_7:

(Start: 21 @6342 has 52 MA's), (Start: 24 @6351 has 25 MA's), (47, 6396), (60, 6441), (77, 6513), (81, 6525), (83, 6531), (113, 6621), (123, 6651), (145, 6702), (150, 6711), (168, 6762), (169, 6765), (173, 6777), (179, 6789), (193, 6819), (209, 6852), (238, 6912),

Gene: Odette_24 Start: 15531, Stop: 16100, Start Num: 34
Candidate Starts for Odette_24:
(Start: 34 @15531 has 36 MA's), (75, 15669), (126, 15816), (159, 15897), (169, 15927), (176, 15942), (178, 15945), (197, 15981), (200, 15987), (216, 16020), (247, 16086),

Gene: Olliecat_8 Start: 6996, Stop: 7556, Start Num: 32
Candidate Starts for Olliecat_8:
(Start: 32 @6996 has 91 MA's), (78, 7146), (81, 7152), (125, 7281), (156, 7359), (165, 7383), (171, 7401), (193, 7449), (196, 7455), (209, 7482),

Gene: Omega_25 Start: 17674, Stop: 18243, Start Num: 34
Candidate Starts for Omega_25:
(Start: 32 @17671 has 91 MA's), (Start: 34 @17674 has 36 MA's), (Start: 76 @17815 has 1 MA's), (107, 17917), (126, 17959), (166, 18061), (169, 18070), (178, 18088), (208, 18145), (216, 18163), (233, 18196), (247, 18229),

Gene: OneDirection_8 Start: 5908, Stop: 6468, Start Num: 38
Candidate Starts for OneDirection_8:
(Start: 38 @5908 has 43 MA's), (49, 5935), (52, 5944), (56, 5959), (59, 5977), (66, 6001), (79, 6058), (81, 6064), (83, 6070), (92, 6115), (144, 6223), (147, 6229), (153, 6250), (168, 6289), (177, 6310), (225, 6409), (231, 6421), (232, 6424),

Gene: Oppalora_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for Oppalora_8:
(Start: 14 @6714 has 56 MA's), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Optimus_23 Start: 15628, Stop: 16197, Start Num: 34
Candidate Starts for Optimus_23:
(Start: 34 @15628 has 36 MA's), (126, 15913), (159, 15994), (169, 16024), (176, 16039), (178, 16042), (197, 16078), (200, 16084), (216, 16117), (247, 16183),

Gene: Orcanus_9 Start: 7095, Stop: 7682, Start Num: 14
Candidate Starts for Orcanus_9:
(Start: 14 @7095 has 56 MA's), (75, 7275), (89, 7323), (95, 7353), (98, 7359), (106, 7380), (116, 7395), (123, 7416), (135, 7437), (146, 7467), (160, 7509), (179, 7557), (209, 7620), (217, 7638),

Gene: OrionPax_15 Start: 8888, Stop: 9454, Start Num: 41
Candidate Starts for OrionPax_15:
(Start: 41 @8888 has 135 MA's), (83, 9026), (112, 9116), (115, 9125), (155, 9245), (161, 9272), (186, 9338),

Gene: OtsoOtso_9 Start: 7141, Stop: 7731, Start Num: 14
Candidate Starts for OtsoOtso_9:
(Start: 14 @7141 has 56 MA's), (Start: 41 @7195 has 135 MA's), (75, 7321), (93, 7390), (95, 7399), (98, 7405), (106, 7426), (120, 7453), (123, 7465), (143, 7510), (179, 7606), (193, 7636), (209, 7669),

Gene: OurGirlNessie_7 Start: 6318, Stop: 6896, Start Num: 21
Candidate Starts for OurGirlNessie_7:

(Start: 21 @6318 has 52 MA's), (Start: 24 @6327 has 25 MA's), (47, 6372), (81, 6501), (83, 6507), (98, 6570), (103, 6585), (113, 6597), (123, 6627), (145, 6678), (147, 6681), (150, 6687), (168, 6738), (169, 6741), (179, 6765), (193, 6795), (213, 6840), (228, 6870), (236, 6885), (238, 6888),

Gene: Oxynfrius_11 Start: 9226, Stop: 9795, Start Num: 24
Candidate Starts for Oxynfrius_11:
(Start: 21 @9217 has 52 MA's), (Start: 24 @9226 has 25 MA's), (47, 9271), (77, 9388), (81, 9400), (83, 9406), (98, 9469), (113, 9496), (147, 9580), (150, 9586), (160, 9616), (179, 9664), (193, 9694), (238, 9787),

Gene: PaddyBaddy_15 Start: 8898, Stop: 9464, Start Num: 41
Candidate Starts for PaddyBaddy_15:
(Start: 41 @8898 has 135 MA's), (83, 9036), (112, 9126), (115, 9135), (155, 9255), (161, 9282), (186, 9348),

Gene: PaintedDog_8 Start: 6534, Stop: 7079, Start Num: 37
Candidate Starts for PaintedDog_8:
(6, 6348), (Start: 37 @6534 has 39 MA's), (Start: 51 @6570 has 2 MA's), (74, 6657), (75, 6666), (87, 6711), (94, 6744), (150, 6870), (235, 7044), (246, 7065),

Gene: Palpatine_14 Start: 9183, Stop: 9749, Start Num: 41
Candidate Starts for Palpatine_14:
(Start: 41 @9183 has 135 MA's), (83, 9321), (112, 9411), (115, 9420), (155, 9540), (161, 9567), (186, 9633),

Gene: Panchino_8 Start: 5973, Stop: 6458, Start Num: 58
Candidate Starts for Panchino_8:
(13, 5883), (18, 5895), (Start: 58 @5973 has 47 MA's), (70, 6012), (71, 6018), (80, 6060), (87, 6090), (113, 6159), (125, 6192), (150, 6249), (158, 6270), (165, 6291), (206, 6366), (214, 6384), (222, 6399), (244, 6441),

Gene: Paperbeatsrock_16 Start: 10120, Stop: 10686, Start Num: 41
Candidate Starts for Paperbeatsrock_16:
(Start: 41 @10120 has 135 MA's), (83, 10258), (112, 10348), (115, 10357), (155, 10477), (161, 10504), (186, 10570),

Gene: Parmesanjohn_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Parmesanjohn_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: PartyCup_11 Start: 9265, Stop: 9837, Start Num: 23
Candidate Starts for PartyCup_11:
(Start: 23 @9265 has 7 MA's), (77, 9427), (81, 9439), (83, 9445), (92, 9490), (98, 9508), (147, 9619), (150, 9625), (179, 9703), (193, 9733), (213, 9778), (215, 9781), (236, 9823), (238, 9826),

Gene: PastaFagioli_8 Start: 6843, Stop: 7400, Start Num: 32
Candidate Starts for PastaFagioli_8:
(Start: 32 @6843 has 91 MA's), (78, 6990), (81, 6996), (87, 7020), (147, 7176), (165, 7227), (196, 7299), (201, 7311), (209, 7326),

Gene: Pat3_14 Start: 8388, Stop: 8954, Start Num: 41

Candidate Starts for Pat3_14:
(Start: 41 @8388 has 135 MA's), (83, 8526), (112, 8616), (115, 8625), (155, 8745), (161, 8772), (186, 8838),

Gene: Pecas_8 Start: 6763, Stop: 7323, Start Num: 32
Candidate Starts for Pecas_8:
(Start: 32 @6763 has 91 MA's), (78, 6910), (81, 6916), (87, 6940), (168, 7159), (196, 7222), (228, 7291),

Gene: Pelletreau_10 Start: 7301, Stop: 7888, Start Num: 14
Candidate Starts for Pelletreau_10:
(Start: 14 @7301 has 56 MA's), (75, 7481), (89, 7529), (95, 7559), (98, 7565), (106, 7586), (114, 7598), (116, 7601), (123, 7622), (135, 7643), (160, 7715), (179, 7763), (209, 7826), (217, 7844),

Gene: Pepperoni_8 Start: 6264, Stop: 6818, Start Num: 38
Candidate Starts for Pepperoni_8:
(Start: 38 @6264 has 43 MA's), (52, 6300), (56, 6315), (59, 6333), (66, 6357), (81, 6420), (87, 6447), (90, 6456), (92, 6471), (99, 6492), (138, 6573), (144, 6582), (147, 6588), (182, 6684), (225, 6759), (231, 6771), (232, 6774),

Gene: Petra64142_15 Start: 9601, Stop: 10167, Start Num: 41
Candidate Starts for Petra64142_15:
(Start: 41 @9601 has 135 MA's), (83, 9739), (112, 9829), (115, 9838), (155, 9958), (161, 9985), (186, 10051),

Gene: Phaja_14 Start: 9338, Stop: 9904, Start Num: 41
Candidate Starts for Phaja_14:
(Start: 41 @9338 has 135 MA's), (83, 9476), (112, 9566), (115, 9575), (155, 9695), (161, 9722), (186, 9788),

Gene: PhancyPhin_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for PhancyPhin_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Pharsalus_15 Start: 9920, Stop: 10486, Start Num: 41
Candidate Starts for Pharsalus_15:
(Start: 41 @9920 has 135 MA's), (83, 10058), (112, 10148), (115, 10157), (155, 10277), (161, 10304), (186, 10370),

Gene: PhatBacter_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for PhatBacter_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: Phaux_13 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for Phaux_13:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: PhigPhack_8 Start: 6794, Stop: 7354, Start Num: 32
Candidate Starts for PhigPhack_8:

(Start: 32 @6794 has 91 MA's), (78, 6941), (81, 6947), (87, 6971), (103, 7028), (109, 7037), (165, 7181), (168, 7190), (196, 7253), (228, 7322),

Gene: Philonius_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Philonius_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: PhirstandPhine_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for PhirstandPhine_10:
(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: Phisb_8 Start: 6756, Stop: 7316, Start Num: 32
Candidate Starts for Phisb_8:
(Start: 32 @6756 has 91 MA's), (49, 6789), (78, 6903), (81, 6909), (87, 6933), (103, 6990), (109, 6999), (145, 7089), (196, 7215), (228, 7284),

Gene: Phloss_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Phloss_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: PhluffyCoco_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for PhluffyCoco_8:
(Start: 14 @6714 has 56 MA's), (70, 6861), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Phoebus_25 Start: 16275, Stop: 16844, Start Num: 34
Candidate Starts for Phoebus_25:
(Start: 34 @16275 has 36 MA's), (126, 16560), (159, 16641), (169, 16671), (176, 16686), (178, 16689), (197, 16725), (200, 16731), (216, 16764), (247, 16830),

Gene: Phrann_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Phrann_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Phrux_14 Start: 8884, Stop: 9450, Start Num: 41
Candidate Starts for Phrux_14:
(Start: 41 @8884 has 135 MA's), (83, 9022), (112, 9112), (115, 9121), (155, 9241), (161, 9268), (186, 9334),

Gene: Pigu_7 Start: 5996, Stop: 6514, Start Num: 27
Candidate Starts for Pigu_7:
(Start: 27 @5996 has 4 MA's), (Start: 30 @5999 has 14 MA's), (Start: 38 @6014 has 43 MA's), (49, 6038), (64, 6095), (81, 6164), (116, 6263), (144, 6317), (147, 6323), (182, 6410), (198, 6440),

Gene: Pineda_10 Start: 7302, Stop: 7892, Start Num: 14
Candidate Starts for Pineda_10:

(Start: 14 @7302 has 56 MA's), (Start: 41 @7356 has 135 MA's), (75, 7482), (93, 7551), (95, 7560), (98, 7566), (106, 7587), (120, 7614), (123, 7626), (143, 7671), (179, 7767), (193, 7797), (209, 7830),

Gene: PinkFriday_7 Start: 6345, Stop: 6926, Start Num: 21
Candidate Starts for PinkFriday_7:
(Start: 21 @6345 has 52 MA's), (Start: 24 @6354 has 25 MA's), (47, 6399), (60, 6444), (81, 6528), (83, 6534), (113, 6624), (123, 6654), (145, 6705), (150, 6714), (179, 6792), (193, 6822), (228, 6897), (238, 6915),

Gene: Pipsqueaks_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Pipsqueaks_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: PitaDog_7 Start: 6318, Stop: 6896, Start Num: 21
Candidate Starts for PitaDog_7:
(Start: 21 @6318 has 52 MA's), (Start: 24 @6327 has 25 MA's), (47, 6372), (81, 6501), (83, 6507), (98, 6570), (103, 6585), (113, 6597), (123, 6627), (145, 6678), (147, 6681), (150, 6687), (168, 6738), (169, 6741), (179, 6765), (193, 6795), (213, 6840), (228, 6870), (236, 6885), (238, 6888),

Gene: Policronamos_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for Policronamos_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: Polka_9 Start: 7141, Stop: 7731, Start Num: 14
Candidate Starts for Polka_9:
(Start: 14 @7141 has 56 MA's), (Start: 41 @7195 has 135 MA's), (75, 7321), (93, 7390), (95, 7399), (98, 7405), (106, 7426), (120, 7453), (123, 7465), (143, 7510), (179, 7606), (193, 7636), (209, 7669),

Gene: Polly_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Polly_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: PondAmelia_9 Start: 7016, Stop: 7567, Start Num: 32
Candidate Starts for PondAmelia_9:
(Start: 32 @7016 has 91 MA's), (78, 7163), (87, 7193), (94, 7226), (100, 7241), (147, 7343), (156, 7370), (165, 7394), (196, 7466), (209, 7493),

Gene: Porcelain_23 Start: 13748, Stop: 14317, Start Num: 34
Candidate Starts for Porcelain_23:
(Start: 32 @13745 has 91 MA's), (Start: 34 @13748 has 36 MA's), (Start: 76 @13889 has 1 MA's), (107, 13991), (126, 14033), (166, 14135), (169, 14144), (178, 14162), (197, 14198), (208, 14219), (216, 14237), (233, 14270), (238, 14282), (247, 14303),

Gene: Porky_13 Start: 8458, Stop: 9024, Start Num: 41
Candidate Starts for Porky_13:
(Start: 41 @8458 has 135 MA's), (83, 8596), (112, 8686), (115, 8695), (155, 8815), (161, 8842), (186, 8908),

Gene: Potatoes_11 Start: 9236, Stop: 9814, Start Num: 21

Candidate Starts for Potatoes_11:
(Start: 21 @9236 has 52 MA's), (Start: 24 @9245 has 25 MA's), (47, 9290), (81, 9419), (83, 9425), (92, 9470), (98, 9488), (103, 9503), (113, 9515), (145, 9596), (147, 9599), (150, 9605), (168, 9656), (169, 9659), (173, 9671), (179, 9683), (193, 9713), (202, 9734), (213, 9758), (228, 9788), (236, 9803), (238, 9806),

Gene: Pound_25 Start: 16367, Stop: 16936, Start Num: 34
Candidate Starts for Pound_25:
(Start: 34 @16367 has 36 MA's), (126, 16652), (159, 16733), (169, 16763), (176, 16778), (178, 16781), (197, 16817), (200, 16823), (216, 16856), (247, 16922),

Gene: PrairieDogTown_9 Start: 7625, Stop: 8140, Start Num: 30
Candidate Starts for PrairieDogTown_9:
(Start: 30 @7625 has 14 MA's),

Gene: Preamble_7 Start: 6328, Stop: 6906, Start Num: 21
Candidate Starts for Preamble_7:
(Start: 21 @6328 has 52 MA's), (Start: 24 @6337 has 25 MA's), (47, 6382), (81, 6511), (83, 6517), (113, 6607), (125, 6640), (145, 6688), (150, 6697), (168, 6748), (169, 6751), (173, 6763), (179, 6775), (193, 6805), (202, 6826), (213, 6850), (228, 6880), (236, 6895), (238, 6898),

Gene: Pterodactyl_7 Start: 6319, Stop: 6897, Start Num: 21
Candidate Starts for Pterodactyl_7:
(Start: 21 @6319 has 52 MA's), (Start: 24 @6328 has 25 MA's), (47, 6373), (81, 6502), (83, 6508), (98, 6571), (103, 6586), (113, 6598), (145, 6679), (147, 6682), (150, 6688), (168, 6739), (169, 6742), (179, 6766), (193, 6796), (213, 6841), (228, 6871), (236, 6886), (238, 6889),

Gene: Ptowny_14 Start: 8525, Stop: 9091, Start Num: 41
Candidate Starts for Ptowny_14:
(Start: 41 @8525 has 135 MA's), (83, 8663), (112, 8753), (115, 8762), (155, 8882), (161, 8909), (186, 8975),

Gene: Pumancara_7 Start: 6344, Stop: 6925, Start Num: 21
Candidate Starts for Pumancara_7:
(Start: 21 @6344 has 52 MA's), (Start: 24 @6353 has 25 MA's), (47, 6398), (60, 6443), (81, 6527), (83, 6533), (113, 6623), (123, 6653), (145, 6704), (150, 6713), (179, 6791), (193, 6821), (228, 6896), (238, 6914),

Gene: Pumpkin_15 Start: 8701, Stop: 9267, Start Num: 41
Candidate Starts for Pumpkin_15:
(Start: 41 @8701 has 135 MA's), (83, 8839), (112, 8929), (115, 8938), (155, 9058), (161, 9085), (186, 9151),

Gene: Puppers_7 Start: 5969, Stop: 6499, Start Num: 30
Candidate Starts for Puppers_7:
(Start: 30 @5969 has 14 MA's), (60, 6032), (64, 6044), (67, 6056), (Start: 76 @6101 has 1 MA's), (92, 6164), (98, 6182), (110, 6203), (144, 6284), (147, 6290), (204, 6431),

Gene: Purgamenstris_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Purgamenstris_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: QMacho_9 Start: 7246, Stop: 7806, Start Num: 32
Candidate Starts for QMacho_9:
(Start: 32 @7246 has 91 MA's), (78, 7393), (81, 7399), (87, 7423), (168, 7642), (196, 7705), (228, 7774),

Gene: Quallification_16 Start: 9885, Stop: 10451, Start Num: 41
Candidate Starts for Quallification_16:
(Start: 41 @9885 has 135 MA's), (83, 10023), (112, 10113), (115, 10122), (155, 10242), (161, 10269), (186, 10335),

Gene: QueenHazel_9 Start: 6990, Stop: 7535, Start Num: 37
Candidate Starts for QueenHazel_9:
(6, 6804), (Start: 37 @6990 has 39 MA's), (Start: 51 @7026 has 2 MA's), (74, 7113), (75, 7122), (87, 7167), (94, 7200), (150, 7326), (235, 7500), (246, 7521),

Gene: Quenya_9 Start: 6901, Stop: 7452, Start Num: 32
Candidate Starts for Quenya_9:
(Start: 32 @6901 has 91 MA's), (78, 7048), (87, 7078), (94, 7111), (100, 7126), (156, 7255), (165, 7279), (168, 7288), (196, 7351),

Gene: RAP15_11 Start: 9242, Stop: 9820, Start Num: 21
Candidate Starts for RAP15_11:
(Start: 21 @9242 has 52 MA's), (Start: 24 @9251 has 25 MA's), (47, 9296), (81, 9425), (83, 9431), (92, 9476), (98, 9494), (103, 9509), (113, 9521), (147, 9605), (150, 9611), (168, 9662), (169, 9665), (179, 9689), (193, 9719), (202, 9740), (213, 9764), (228, 9794), (236, 9809), (238, 9812),

Gene: Rakim_16 Start: 9792, Stop: 10358, Start Num: 41
Candidate Starts for Rakim_16:
(Start: 41 @9792 has 135 MA's), (83, 9930), (112, 10020), (115, 10029), (155, 10149), (161, 10176), (186, 10242),

Gene: Rattail_8 Start: 6765, Stop: 7352, Start Num: 14
Candidate Starts for Rattail_8:
(Start: 14 @6765 has 56 MA's), (Start: 55 @6858 has 2 MA's), (63, 6888), (75, 6945), (94, 7020), (95, 7023), (106, 7050), (123, 7086), (143, 7131), (154, 7161), (179, 7227), (190, 7254), (193, 7257),

Gene: RavenCo17_8 Start: 6772, Stop: 7320, Start Num: 38
Candidate Starts for RavenCo17_8:
(Start: 38 @6772 has 43 MA's), (87, 6949), (90, 6958), (94, 6982), (147, 7093), (168, 7153), (169, 7156), (174, 7168), (241, 7297),

Gene: Raymond7_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Raymond7_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: RcigaStruga_11 Start: 9225, Stop: 9803, Start Num: 21
Candidate Starts for RcigaStruga_11:
(Start: 21 @9225 has 52 MA's), (Start: 24 @9234 has 25 MA's), (47, 9279), (77, 9396), (81, 9408), (83, 9414), (98, 9477), (150, 9594), (179, 9672), (193, 9702), (238, 9795),

Gene: Rearden_20 Start: 12733, Stop: 13302, Start Num: 34

Candidate Starts for Rearden_20:
(Start: 32 @12730 has 91 MA's), (Start: 34 @12733 has 36 MA's), (Start: 76 @12874 has 1 MA's), (107, 12976), (126, 13018), (166, 13120), (169, 13129), (178, 13147), (197, 13183), (208, 13204), (216, 13222), (233, 13255), (238, 13267), (247, 13288),

Gene: Rebel_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Rebel_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: RedFox_8 Start: 6714, Stop: 7301, Start Num: 14
Candidate Starts for RedFox_8:
(Start: 14 @6714 has 56 MA's), (70, 6861), (75, 6894), (88, 6939), (94, 6969), (95, 6972), (113, 7005), (121, 7029), (123, 7035), (143, 7080), (149, 7092), (154, 7110), (158, 7119), (179, 7176), (190, 7203), (193, 7206),

Gene: Redi_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Redi_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Redno2_24 Start: 15759, Stop: 16328, Start Num: 34
Candidate Starts for Redno2_24:
(Start: 34 @15759 has 36 MA's), (126, 16044), (159, 16125), (169, 16155), (176, 16170), (178, 16173), (197, 16209), (200, 16215), (216, 16248), (247, 16314),

Gene: Renna12_9 Start: 6911, Stop: 7501, Start Num: 14
Candidate Starts for Renna12_9:
(Start: 14 @6911 has 56 MA's), (Start: 55 @7004 has 2 MA's), (75, 7091), (94, 7166), (95, 7169), (106, 7196), (113, 7202), (121, 7226), (123, 7232), (143, 7280), (179, 7376), (190, 7403), (193, 7406),

Gene: Reyja_9 Start: 6424, Stop: 6957, Start Num: 39
Candidate Starts for Reyja_9:
(Start: 39 @6424 has 7 MA's), (74, 6544), (150, 6751), (221, 6922), (234, 6946),

Gene: Rimmer_14 Start: 9245, Stop: 9811, Start Num: 41
Candidate Starts for Rimmer_14:
(Start: 41 @9245 has 135 MA's), (83, 9383), (112, 9473), (115, 9482), (155, 9602), (161, 9629), (186, 9695),

Gene: Riovina_7 Start: 6351, Stop: 6923, Start Num: 24
Candidate Starts for Riovina_7:
(Start: 21 @6342 has 52 MA's), (Start: 24 @6351 has 25 MA's), (47, 6396), (60, 6441), (77, 6513), (81, 6525), (83, 6531), (113, 6621), (123, 6651), (145, 6702), (150, 6711), (168, 6762), (169, 6765), (173, 6777), (179, 6789), (193, 6819), (209, 6852), (238, 6912),

Gene: RiverMonster_14 Start: 8898, Stop: 9464, Start Num: 41
Candidate Starts for RiverMonster_14:
(Start: 41 @8898 has 135 MA's), (83, 9036), (112, 9126), (115, 9135), (155, 9255), (161, 9282), (186, 9348),

Gene: Riverdale_11 Start: 9173, Stop: 9751, Start Num: 21
Candidate Starts for Riverdale_11:
(Start: 21 @9173 has 52 MA's), (Start: 24 @9182 has 25 MA's), (47, 9227), (81, 9356), (83, 9362), (92, 9407), (98, 9425), (103, 9440), (113, 9452), (147, 9536), (150, 9542), (168, 9593), (169, 9596), (179, 9620), (193, 9650), (202, 9671), (213, 9695), (228, 9725), (236, 9740), (238, 9743),

Gene: Rollins_7 Start: 6593, Stop: 7153, Start Num: 32
Candidate Starts for Rollins_7:
(Start: 32 @6593 has 91 MA's), (145, 6926), (171, 6998),

Gene: Rona_8 Start: 6996, Stop: 7553, Start Num: 32
Candidate Starts for Rona_8:
(Start: 32 @6996 has 91 MA's), (78, 7143), (87, 7173), (145, 7326), (168, 7389), (196, 7452), (228, 7521),

Gene: RootBeer_8 Start: 6118, Stop: 6513, Start Num: 76
Candidate Starts for RootBeer_8:
(Start: 34 @5977 has 36 MA's), (Start: 76 @6118 has 1 MA's), (81, 6133), (100, 6205), (103, 6214), (162, 6346), (189, 6412), (197, 6427), (224, 6481),

Gene: Rooter_7 Start: 6027, Stop: 6545, Start Num: 27
Candidate Starts for Rooter_7:
(11, 5985), (12, 5988), (Start: 27 @6027 has 4 MA's), (Start: 30 @6030 has 14 MA's), (Start: 44 @6060 has 1 MA's), (49, 6069), (50, 6072), (52, 6078), (80, 6192), (81, 6195), (86, 6219), (116, 6294), (147, 6354), (154, 6378), (165, 6405), (210, 6498),

Gene: Rozby_11 Start: 9173, Stop: 9751, Start Num: 21
Candidate Starts for Rozby_11:
(Start: 21 @9173 has 52 MA's), (Start: 24 @9182 has 25 MA's), (47, 9227), (81, 9356), (83, 9362), (92, 9407), (98, 9425), (103, 9440), (113, 9452), (147, 9536), (150, 9542), (168, 9593), (169, 9596), (173, 9608), (179, 9620), (193, 9650), (202, 9671), (213, 9695), (228, 9725), (236, 9740), (238, 9743),

Gene: Rubeelu_8 Start: 5970, Stop: 6461, Start Num: 58
Candidate Starts for Rubeelu_8:
(13, 5859), (18, 5871), (Start: 58 @5970 has 47 MA's), (70, 6009), (80, 6057), (87, 6087), (98, 6129), (113, 6156), (125, 6189), (150, 6246), (158, 6273), (165, 6294), (167, 6300), (206, 6369), (222, 6402), (244, 6444),

Gene: Ruchi_9 Start: 7376, Stop: 7963, Start Num: 14
Candidate Starts for Ruchi_9:
(Start: 14 @7376 has 56 MA's), (75, 7556), (92, 7622), (95, 7634), (98, 7640), (106, 7661), (116, 7676), (123, 7697), (179, 7838), (193, 7868),

Gene: Ryadel_45 Start: 22639, Stop: 23244, Start Num: 37
Candidate Starts for Ryadel_45:
(Start: 37 @22639 has 39 MA's), (63, 22717), (74, 22765), (75, 22774), (81, 22792), (107, 22882), (116, 22897), (132, 22948), (147, 22999), (150, 23005), (165, 23053), (168, 23062), (169, 23065), (172, 23074), (206, 23137), (235, 23194), (239, 23203), (248, 23230),

Gene: Saints25_15 Start: 8807, Stop: 9373, Start Num: 41
Candidate Starts for Saints25_15:
(Start: 41 @8807 has 135 MA's), (83, 8945), (112, 9035), (115, 9044), (155, 9164), (161, 9191), (186, 9257),

Gene: SanaSana_9 Start: 7016, Stop: 7567, Start Num: 32
Candidate Starts for SanaSana_9:
(Start: 32 @7016 has 91 MA's), (78, 7163), (87, 7193), (94, 7226), (100, 7241), (147, 7343), (156, 7370), (165, 7394), (196, 7466), (209, 7493),

Gene: SansAfet_8 Start: 6776, Stop: 7336, Start Num: 32
Candidate Starts for SansAfet_8:
(Start: 32 @6776 has 91 MA's), (78, 6923), (81, 6929), (87, 6953), (103, 7010), (109, 7019), (165, 7163), (168, 7172), (196, 7235), (228, 7304),

Gene: Santhid_8 Start: 6292, Stop: 6825, Start Num: 39
Candidate Starts for Santhid_8:
(Start: 39 @6292 has 7 MA's), (74, 6412), (90, 6472), (150, 6619), (221, 6790), (234, 6814),

Gene: Sapo_6 Start: 5442, Stop: 6047, Start Num: 28
Candidate Starts for Sapo_6:
(Start: 28 @5442 has 4 MA's), (60, 5523), (64, 5535), (75, 5589), (81, 5604), (100, 5679), (122, 5733), (133, 5754), (152, 5802), (165, 5841),

Gene: SarBear_8 Start: 6739, Stop: 7299, Start Num: 32
Candidate Starts for SarBear_8:
(Start: 32 @6739 has 91 MA's), (78, 6886), (81, 6892), (87, 6916), (168, 7135), (196, 7198), (228, 7267),

Gene: Sarge_8 Start: 6394, Stop: 6912, Start Num: 27
Candidate Starts for Sarge_8:
(Start: 27 @6394 has 4 MA's), (Start: 30 @6397 has 14 MA's), (Start: 44 @6427 has 1 MA's), (49, 6436), (50, 6439), (52, 6445), (80, 6559), (81, 6562), (86, 6586), (144, 6715), (154, 6745), (165, 6772), (217, 6877),

Gene: Sassay_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for Sassay_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: Savage2526_11 Start: 9236, Stop: 9814, Start Num: 21
Candidate Starts for Savage2526_11:
(Start: 21 @9236 has 52 MA's), (Start: 24 @9245 has 25 MA's), (47, 9290), (81, 9419), (83, 9425), (92, 9470), (98, 9488), (103, 9503), (113, 9515), (147, 9599), (150, 9605), (168, 9656), (169, 9659), (179, 9683), (193, 9713), (202, 9734), (213, 9758), (228, 9788), (236, 9803), (238, 9806),

Gene: Sbash_8 Start: 6564, Stop: 7112, Start Num: 37
Candidate Starts for Sbash_8:
(Start: 37 @6564 has 39 MA's), (Start: 51 @6600 has 2 MA's), (66, 6651), (74, 6687), (75, 6696), (81, 6714), (87, 6741), (94, 6774), (105, 6801), (113, 6810), (165, 6948), (166, 6951), (194, 6999), (219, 7050), (235, 7077), (246, 7098),

Gene: Schatzie_23 Start: 15300, Stop: 15869, Start Num: 34
Candidate Starts for Schatzie_23:
(Start: 34 @15300 has 36 MA's), (75, 15438), (93, 15507), (126, 15585), (159, 15666), (169, 15696), (176, 15711), (178, 15714), (197, 15750), (200, 15756), (216, 15789), (247, 15855),

Gene: Schmidt_10 Start: 7341, Stop: 7862, Start Num: 35
Candidate Starts for Schmidt_10:
(17, 7305), (Start: 35 @7341 has 2 MA's), (Start: 55 @7392 has 2 MA's), (61, 7416), (64, 7422), (74, 7467), (82, 7494), (92, 7542), (94, 7551), (98, 7560), (133, 7632), (144, 7662), (160, 7704), (166, 7719), (197, 7782), (235, 7854),

Gene: Schnauzer_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Schnauzer_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: SchoolBus_41 Start: 21580, Stop: 22185, Start Num: 37
Candidate Starts for SchoolBus_41:
(Start: 37 @21580 has 39 MA's), (Start: 42 @21595 has 2 MA's), (63, 21658), (74, 21706), (75, 21715), (81, 21733), (107, 21823), (116, 21838), (147, 21940), (150, 21946), (163, 21988), (165, 21994), (168, 22003), (169, 22006), (172, 22015), (206, 22078), (235, 22135), (239, 22144), (248, 22171),

Gene: Schuy_42 Start: 21513, Stop: 22118, Start Num: 37
Candidate Starts for Schuy_42:
(Start: 37 @21513 has 39 MA's), (Start: 42 @21528 has 2 MA's), (63, 21591), (74, 21639), (75, 21648), (81, 21666), (107, 21756), (116, 21771), (147, 21873), (150, 21879), (163, 21921), (165, 21927), (168, 21936), (169, 21939), (172, 21948), (206, 22011), (235, 22068), (239, 22077), (248, 22104),

Gene: Scitech_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Scitech_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Scotia_10 Start: 8535, Stop: 9056, Start Num: 33
Candidate Starts for Scotia_10:
(Start: 33 @8535 has 2 MA's), (Start: 44 @8559 has 1 MA's), (88, 8724), (147, 8859), (192, 8961), (198, 8976),

Gene: Scuttle_11 Start: 9251, Stop: 9820, Start Num: 24
Candidate Starts for Scuttle_11:
(Start: 21 @9242 has 52 MA's), (Start: 24 @9251 has 25 MA's), (47, 9296), (81, 9425), (83, 9431), (92, 9476), (98, 9494), (103, 9509), (113, 9521), (147, 9605), (150, 9611), (168, 9662), (169, 9665), (179, 9689), (193, 9719), (202, 9740), (213, 9764), (228, 9794), (236, 9809), (238, 9812),

Gene: Sergei_7 Start: 6353, Stop: 6925, Start Num: 24
Candidate Starts for Sergei_7:
(Start: 21 @6344 has 52 MA's), (Start: 24 @6353 has 25 MA's), (47, 6398), (60, 6443), (81, 6527), (83, 6533), (113, 6623), (123, 6653), (145, 6704), (150, 6713), (179, 6791), (193, 6821), (228, 6896), (238, 6914),

Gene: Shaboozey_17 Start: 12159, Stop: 12728, Start Num: 34
Candidate Starts for Shaboozey_17:
(Start: 32 @12156 has 91 MA's), (Start: 34 @12159 has 36 MA's), (Start: 76 @12300 has 1 MA's), (107, 12402), (126, 12444), (166, 12546), (169, 12555), (178, 12573), (197, 12609), (208, 12630), (216, 12648), (233, 12681), (238, 12693), (247, 12714),

Gene: ShamWow_15 Start: 9679, Stop: 10245, Start Num: 41
Candidate Starts for ShamWow_15:
(Start: 41 @9679 has 135 MA's), (83, 9817), (112, 9907), (115, 9916), (155, 10036), (161, 10063), (186, 10129),

Gene: Sharkboy_8 Start: 6995, Stop: 7552, Start Num: 32
Candidate Starts for Sharkboy_8:
(Start: 32 @6995 has 91 MA's), (78, 7142), (87, 7172), (145, 7325), (168, 7388), (196, 7451), (228, 7520),

Gene: Shayna_7 Start: 6598, Stop: 7158, Start Num: 32
Candidate Starts for Shayna_7:
(Start: 32 @6598 has 91 MA's), (52, 6643), (78, 6748), (81, 6754), (131, 6895), (140, 6916), (147, 6934), (173, 7009), (196, 7057),

Gene: Shen_10 Start: 7302, Stop: 7889, Start Num: 14
Candidate Starts for Shen_10:
(Start: 14 @7302 has 56 MA's), (75, 7482), (89, 7530), (95, 7560), (98, 7566), (106, 7587), (114, 7599), (116, 7602), (123, 7623), (135, 7644), (160, 7716), (179, 7764), (209, 7827), (217, 7845),

Gene: ShereKhan_16 Start: 10126, Stop: 10692, Start Num: 41
Candidate Starts for ShereKhan_16:
(Start: 41 @10126 has 135 MA's), (83, 10264), (112, 10354), (115, 10363), (155, 10483), (161, 10510), (186, 10576),

Gene: Shida_41 Start: 21420, Stop: 22025, Start Num: 37
Candidate Starts for Shida_41:
(Start: 37 @21420 has 39 MA's), (63, 21498), (74, 21546), (75, 21555), (81, 21573), (107, 21663), (116, 21678), (147, 21780), (150, 21786), (163, 21828), (165, 21834), (168, 21843), (169, 21846), (172, 21855), (206, 21918), (235, 21975), (239, 21984), (248, 22011),

Gene: Shoya_7 Start: 6030, Stop: 6548, Start Num: 27
Candidate Starts for Shoya_7:
(12, 5991), (20, 6009), (Start: 27 @6030 has 4 MA's), (Start: 30 @6033 has 14 MA's), (Start: 44 @6063 has 1 MA's), (49, 6072), (50, 6075), (52, 6081), (80, 6195), (81, 6198), (86, 6222), (116, 6297), (147, 6357), (154, 6381), (165, 6408), (192, 6459), (210, 6501),

Gene: ShrimpFriedEgg_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for ShrimpFriedEgg_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Shweta_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Shweta_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Silvafighter_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Silvafighter_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Silvy_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Silvy_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Simpliphy_15 Start: 8888, Stop: 9454, Start Num: 41
Candidate Starts for Simpliphy_15:
(Start: 41 @8888 has 135 MA's), (83, 9026), (112, 9116), (115, 9125), (155, 9245), (161, 9272), (186, 9338),

Gene: SirBeanington_8 Start: 6756, Stop: 7325, Start Num: 32
Candidate Starts for SirBeanington_8:
(Start: 32 @6756 has 91 MA's), (49, 6789), (78, 6903), (81, 6909), (87, 6933), (115, 7011), (196, 7224), (228, 7293),

Gene: SirDuracell_14 Start: 8345, Stop: 8911, Start Num: 41
Candidate Starts for SirDuracell_14:
(Start: 41 @8345 has 135 MA's), (83, 8483), (112, 8573), (115, 8582), (155, 8702), (161, 8729), (186, 8795),

Gene: SkinnyPete_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for SkinnyPete_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Skylord_7 Start: 6533, Stop: 7093, Start Num: 32
Candidate Starts for Skylord_7:
(Start: 32 @6533 has 91 MA's), (145, 6866), (171, 6938),

Gene: Slay_8 Start: 7215, Stop: 7775, Start Num: 32
Candidate Starts for Slay_8:
(Start: 32 @7215 has 91 MA's), (78, 7362), (81, 7368), (87, 7392), (196, 7674), (228, 7743),

Gene: Smooch_43 Start: 22708, Stop: 23313, Start Num: 37
Candidate Starts for Smooch_43:
(Start: 37 @22708 has 39 MA's), (Start: 42 @22723 has 2 MA's), (63, 22786), (74, 22834), (75, 22843), (107, 22951), (116, 22966), (147, 23068), (150, 23074), (163, 23116), (165, 23122), (168, 23131), (169, 23134), (172, 23143), (206, 23206), (235, 23263), (239, 23272), (248, 23299),

Gene: Smurph_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Smurph_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Snekmaggedon_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Snekmaggedon_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Softsoap_8 Start: 6765, Stop: 7325, Start Num: 32
Candidate Starts for Softsoap_8:
(Start: 32 @6765 has 91 MA's), (78, 6912), (81, 6918), (87, 6942), (103, 6999), (165, 7152), (168, 7161), (196, 7224), (228, 7293),

Gene: Solea_9 Start: 7151, Stop: 7711, Start Num: 32
Candidate Starts for Solea_9:
(Start: 32 @7151 has 91 MA's), (78, 7298), (81, 7304), (87, 7328), (103, 7385), (165, 7538), (168, 7547), (196, 7610), (228, 7679),

Gene: SophKB_15 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for SophKB_15:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: Sotrice96_15 Start: 9634, Stop: 10200, Start Num: 41
Candidate Starts for Sotrice96_15:
(Start: 41 @9634 has 135 MA's), (83, 9772), (112, 9862), (115, 9871), (155, 9991), (161, 10018), (186, 10084),

Gene: Spinach_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for Spinach_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Splinter_12 Start: 8930, Stop: 9409, Start Num: 55
Candidate Starts for Splinter_12:
(Start: 38 @8885 has 43 MA's), (Start: 55 @8930 has 2 MA's), (74, 9005), (88, 9059), (94, 9089), (110, 9119), (139, 9176), (144, 9200), (162, 9245), (164, 9251), (165, 9254), (197, 9320), (207, 9338), (215, 9356), (235, 9395),

Gene: SpongeBob_8 Start: 5997, Stop: 6482, Start Num: 58
Candidate Starts for SpongeBob_8:
(13, 5883), (18, 5895), (Start: 58 @5997 has 47 MA's), (70, 6036), (71, 6042), (80, 6084), (87, 6114), (113, 6183), (125, 6216), (150, 6273), (158, 6294), (165, 6315), (206, 6390), (214, 6408), (222, 6423), (244, 6465),

Gene: Squint_22 Start: 13875, Stop: 14444, Start Num: 34
Candidate Starts for Squint_22:
(Start: 32 @13872 has 91 MA's), (Start: 34 @13875 has 36 MA's), (Start: 76 @14016 has 1 MA's), (107, 14118), (126, 14160), (166, 14262), (169, 14271), (178, 14289), (197, 14325), (208, 14346), (216, 14364), (233, 14397), (238, 14409), (247, 14430),

Gene: Squircle_8 Start: 6995, Stop: 7555, Start Num: 32
Candidate Starts for Squircle_8:
(Start: 32 @6995 has 91 MA's), (78, 7145), (81, 7151), (125, 7280), (156, 7358), (165, 7382), (171, 7400), (193, 7448), (196, 7454), (209, 7481),

Gene: Stank_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Stank_16:

(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Stark_15 Start: 8901, Stop: 9467, Start Num: 41
Candidate Starts for Stark_15:
(Start: 41 @8901 has 135 MA's), (83, 9039), (112, 9129), (115, 9138), (155, 9258), (161, 9285), (186, 9351),

Gene: StellaBean_15 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for StellaBean_15:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: StolenFromERC_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for StolenFromERC_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Stoor_8 Start: 7013, Stop: 7564, Start Num: 32
Candidate Starts for Stoor_8:
(Start: 32 @7013 has 91 MA's), (78, 7160), (87, 7190), (94, 7223), (100, 7238), (147, 7340), (156, 7367), (165, 7391), (196, 7463), (209, 7490),

Gene: StormChicken_15 Start: 9851, Stop: 10417, Start Num: 41
Candidate Starts for StormChicken_15:
(Start: 41 @9851 has 135 MA's), (83, 9989), (112, 10079), (115, 10088), (155, 10208), (161, 10235), (186, 10301),

Gene: Stromboli_8 Start: 7014, Stop: 7565, Start Num: 32
Candidate Starts for Stromboli_8:
(Start: 32 @7014 has 91 MA's), (78, 7161), (87, 7191), (94, 7224), (100, 7239), (165, 7392), (196, 7464), (209, 7491), (242, 7560),

Gene: StuartMinion_8 Start: 6740, Stop: 7327, Start Num: 14
Candidate Starts for StuartMinion_8:
(Start: 14 @6740 has 56 MA's), (Start: 55 @6833 has 2 MA's), (94, 6995), (95, 6998), (98, 7004), (106, 7025), (113, 7031), (116, 7040), (121, 7055), (123, 7061), (143, 7106), (149, 7118), (179, 7202), (190, 7229), (193, 7232),

Gene: Stuck_8 Start: 6576, Stop: 7124, Start Num: 37
Candidate Starts for Stuck_8:
(2, 6279), (3, 6318), (7, 6453), (Start: 37 @6576 has 39 MA's), (Start: 51 @6612 has 2 MA's), (66, 6663), (74, 6699), (75, 6708), (81, 6726), (87, 6753), (92, 6777), (93, 6780), (94, 6786), (113, 6822), (165, 6960), (166, 6963), (219, 7062), (235, 7089),

Gene: SunnyD_7 Start: 6598, Stop: 7158, Start Num: 32
Candidate Starts for SunnyD_7:
(Start: 32 @6598 has 91 MA's), (52, 6643), (78, 6748), (81, 6754), (131, 6895), (140, 6916), (147, 6934), (173, 7009), (196, 7057),

Gene: Supakev_7 Start: 6344, Stop: 6925, Start Num: 21
Candidate Starts for Supakev_7:

(Start: 21 @6344 has 52 MA's), (Start: 24 @6353 has 25 MA's), (47, 6398), (60, 6443), (81, 6527), (83, 6533), (113, 6623), (123, 6653), (145, 6704), (150, 6713), (179, 6791), (193, 6821), (228, 6896), (238, 6914),

Gene: Superphikiman_23 Start: 13929, Stop: 14498, Start Num: 34
Candidate Starts for Superphikiman_23:
(Start: 32 @13926 has 91 MA's), (Start: 34 @13929 has 36 MA's), (Start: 76 @14070 has 1 MA's), (107, 14172), (126, 14214), (166, 14316), (169, 14325), (178, 14343), (197, 14379), (208, 14400), (216, 14418), (233, 14451), (238, 14463), (247, 14484),

Gene: Suppi_11 Start: 9265, Stop: 9837, Start Num: 23
Candidate Starts for Suppi_11:
(Start: 23 @9265 has 7 MA's), (77, 9427), (81, 9439), (83, 9445), (92, 9490), (147, 9619), (150, 9625), (179, 9703), (193, 9733), (213, 9778), (215, 9781), (236, 9823), (238, 9826),

Gene: Suscepit_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Suscepit_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: SushiChef_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for SushiChef_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Swervy_8 Start: 6739, Stop: 7299, Start Num: 32
Candidate Starts for Swervy_8:
(Start: 32 @6739 has 91 MA's), (78, 6886), (81, 6892), (87, 6916), (168, 7135), (196, 7198), (228, 7267),

Gene: TBrady12_16 Start: 9130, Stop: 9696, Start Num: 41
Candidate Starts for TBrady12_16:
(Start: 41 @9130 has 135 MA's), (83, 9268), (112, 9358), (115, 9367), (155, 9487), (161, 9514), (186, 9580),

Gene: TZGordon_14 Start: 9027, Stop: 9551, Start Num: 38
Candidate Starts for TZGordon_14:
(Start: 38 @9027 has 43 MA's), (Start: 55 @9072 has 2 MA's), (74, 9147), (88, 9201), (94, 9231), (110, 9261), (139, 9318), (144, 9342), (162, 9387), (165, 9396), (197, 9462), (207, 9480), (215, 9498), (235, 9537),

Gene: Tapioca_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Tapioca_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Tarkin_16 Start: 10129, Stop: 10695, Start Num: 41
Candidate Starts for Tarkin_16:
(Start: 41 @10129 has 135 MA's), (83, 10267), (112, 10357), (115, 10366), (155, 10486), (161, 10513), (186, 10579),

Gene: Tarzan_8 Start: 6283, Stop: 6816, Start Num: 39

Candidate Starts for Tarzan_8:
(Start: 39 @6283 has 7 MA's), (70, 6379), (82, 6430), (84, 6436), (150, 6610), (234, 6805),

Gene: TattModd_11 Start: 9236, Stop: 9814, Start Num: 21
Candidate Starts for TattModd_11:
(Start: 21 @9236 has 52 MA's), (Start: 24 @9245 has 25 MA's), (47, 9290), (81, 9419), (83, 9425), (92, 9470), (98, 9488), (103, 9503), (106, 9509), (113, 9515), (147, 9599), (150, 9605), (168, 9656), (169, 9659), (179, 9683), (193, 9713), (202, 9734), (213, 9758), (228, 9788), (236, 9803), (238, 9806),

Gene: TaylorSipht_9 Start: 7181, Stop: 7768, Start Num: 14
Candidate Starts for TaylorSipht_9:
(Start: 14 @7181 has 56 MA's), (75, 7361), (88, 7406), (95, 7439), (98, 7445), (106, 7466), (116, 7481), (118, 7487), (123, 7502), (179, 7643), (209, 7706),

Gene: Tayonia_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Tayonia_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Teagster_7 Start: 6601, Stop: 7158, Start Num: 32
Candidate Starts for Teagster_7:
(Start: 32 @6601 has 91 MA's), (52, 6646), (78, 6751), (81, 6757), (140, 6916), (147, 6934), (173, 7009), (196, 7057), (226, 7120),

Gene: TeamEdward_15 Start: 9848, Stop: 10414, Start Num: 41
Candidate Starts for TeamEdward_15:
(Start: 41 @9848 has 135 MA's), (83, 9986), (112, 10076), (115, 10085), (155, 10205), (161, 10232), (186, 10298),

Gene: TeardropMSU_14 Start: 9586, Stop: 10152, Start Num: 41
Candidate Starts for TeardropMSU_14:
(Start: 41 @9586 has 135 MA's), (83, 9724), (112, 9814), (115, 9823), (155, 9943), (161, 9970), (186, 10036),

Gene: Teaspoon_14 Start: 8583, Stop: 9149, Start Num: 41
Candidate Starts for Teaspoon_14:
(Start: 41 @8583 has 135 MA's), (83, 8721), (112, 8811), (115, 8820), (155, 8940), (161, 8967), (186, 9033),

Gene: TelAviv_38 Start: 21574, Stop: 22179, Start Num: 37
Candidate Starts for TelAviv_38:
(Start: 37 @21574 has 39 MA's), (Start: 42 @21589 has 2 MA's), (63, 21652), (74, 21700), (75, 21709), (81, 21727), (107, 21817), (116, 21832), (147, 21934), (150, 21940), (163, 21982), (165, 21988), (168, 21997), (169, 22000), (172, 22009), (206, 22072), (235, 22129), (239, 22138), (248, 22165),

Gene: Temper16_7 Start: 6353, Stop: 6925, Start Num: 24
Candidate Starts for Temper16_7:
(Start: 21 @6344 has 52 MA's), (Start: 24 @6353 has 25 MA's), (47, 6398), (60, 6443), (81, 6527), (83, 6533), (113, 6623), (123, 6653), (145, 6704), (150, 6713), (179, 6791), (193, 6821), (228, 6896), (238, 6914),

Gene: Terminus_14 Start: 9230, Stop: 9796, Start Num: 41
Candidate Starts for Terminus_14:

(Start: 41 @9230 has 135 MA's), (83, 9368), (112, 9458), (115, 9467), (155, 9587), (161, 9614), (186, 9680),

Gene: Tessdabest_7 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Tessdabest_7:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: ThankyouJordi_8 Start: 6772, Stop: 7317, Start Num: 38
Candidate Starts for ThankyouJordi_8:
(1, 6388), (Start: 38 @6772 has 43 MA's), (87, 6949), (88, 6952), (90, 6958), (92, 6973), (94, 6982), (98, 6991), (129, 7057), (144, 7087), (162, 7135), (168, 7153), (188, 7195), (219, 7255),

Gene: Thibault_21 Start: 15559, Stop: 16128, Start Num: 34
Candidate Starts for Thibault_21:
(Start: 34 @15559 has 36 MA's), (126, 15844), (159, 15925), (169, 15955), (176, 15970), (178, 15973), (197, 16009), (200, 16015), (216, 16048), (247, 16114),

Gene: Thimble_15 Start: 8635, Stop: 9201, Start Num: 41
Candidate Starts for Thimble_15:
(Start: 41 @8635 has 135 MA's), (83, 8773), (112, 8863), (115, 8872), (155, 8992), (161, 9019), (186, 9085),

Gene: ThreeRngTarjay_24 Start: 16125, Stop: 16694, Start Num: 34
Candidate Starts for ThreeRngTarjay_24:
(Start: 34 @16125 has 36 MA's), (126, 16410), (159, 16491), (169, 16521), (176, 16536), (178, 16539), (197, 16575), (200, 16581), (216, 16614), (247, 16680),

Gene: Thresher_15 Start: 9891, Stop: 10457, Start Num: 41
Candidate Starts for Thresher_15:
(Start: 41 @9891 has 135 MA's), (83, 10029), (112, 10119), (115, 10128), (155, 10248), (161, 10275), (186, 10341),

Gene: TimTam_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for TimTam_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: TinaLin_15 Start: 9599, Stop: 10123, Start Num: 38
Candidate Starts for TinaLin_15:
(Start: 38 @9599 has 43 MA's), (80, 9740), (88, 9773), (139, 9890), (144, 9914), (160, 9956), (165, 9968), (197, 10034), (207, 10052), (215, 10070), (235, 10109), (237, 10112),

Gene: Toad24_10 Start: 7302, Stop: 7889, Start Num: 14
Candidate Starts for Toad24_10:
(Start: 14 @7302 has 56 MA's), (75, 7482), (89, 7530), (95, 7560), (98, 7566), (106, 7587), (114, 7599), (116, 7602), (123, 7623), (135, 7644), (160, 7716), (179, 7764), (209, 7827), (217, 7845),

Gene: Tomaszewski_14 Start: 9279, Stop: 9845, Start Num: 41
Candidate Starts for Tomaszewski_14:
(Start: 41 @9279 has 135 MA's), (83, 9417), (112, 9507), (115, 9516), (155, 9636), (161, 9663), (186, 9729),

Gene: Tortoise12_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Tortoise12_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Toto_15 Start: 9679, Stop: 10245, Start Num: 41
Candidate Starts for Toto_15:
(Start: 41 @9679 has 135 MA's), (83, 9817), (112, 9907), (115, 9916), (155, 10036), (161, 10063), (186, 10129),

Gene: Traaww1_13 Start: 9324, Stop: 9890, Start Num: 41
Candidate Starts for Traaww1_13:
(Start: 41 @9324 has 135 MA's), (83, 9462), (112, 9552), (115, 9561), (155, 9681), (161, 9708), (186, 9774),

Gene: Trine_7 Start: 5978, Stop: 6505, Start Num: 25
Candidate Starts for Trine_7:
(Start: 25 @5978 has 1 MA's), (Start: 30 @5984 has 14 MA's), (67, 6071), (72, 6089), (Start: 76 @6116 has 1 MA's), (83, 6134), (87, 6155), (110, 6218), (147, 6305), (172, 6371), (179, 6386), (234, 6494),

Gene: Trumpet_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Trumpet_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Tuco_15 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for Tuco_15:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: TukTuk_8 Start: 6739, Stop: 7299, Start Num: 32
Candidate Starts for TukTuk_8:
(Start: 32 @6739 has 91 MA's), (78, 6886), (81, 6892), (87, 6916), (168, 7135), (196, 7198), (228, 7267),

Gene: Typha_15 Start: 10833, Stop: 11375, Start Num: 43
Candidate Starts for Typha_15:
(Start: 43 @10833 has 8 MA's), (64, 10902), (70, 10923), (79, 10965), (85, 10983), (91, 11016), (98, 11040), (99, 11043), (100, 11046), (147, 11151), (160, 11190), (163, 11196), (164, 11199), (165, 11202), (176, 11232), (189, 11256), (201, 11277), (235, 11346), (245, 11367),

Gene: Ukulele_14 Start: 8901, Stop: 9467, Start Num: 41
Candidate Starts for Ukulele_14:
(Start: 41 @8901 has 135 MA's), (83, 9039), (112, 9129), (115, 9138), (155, 9258), (161, 9285), (186, 9351),

Gene: Upyo_7 Start: 5995, Stop: 6522, Start Num: 30
Candidate Starts for Upyo_7:
(Start: 30 @5995 has 14 MA's), (67, 6082), (72, 6100), (74, 6115), (75, 6124), (Start: 76 @6127 has 1 MA's), (83, 6145), (87, 6166), (104, 6226), (125, 6268),

Gene: Urla_7 Start: 6374, Stop: 6952, Start Num: 21
Candidate Starts for Urla_7:
(Start: 21 @6374 has 52 MA's), (Start: 24 @6383 has 25 MA's), (47, 6428), (81, 6557), (83, 6563), (92, 6608), (98, 6626), (113, 6653), (147, 6737), (150, 6743), (168, 6794), (169, 6797), (173, 6809), (179, 6821), (193, 6851), (213, 6896), (228, 6926), (236, 6941), (238, 6944),

Gene: Vagabond_41 Start: 21407, Stop: 22012, Start Num: 37
Candidate Starts for Vagabond_41:
(Start: 37 @21407 has 39 MA's), (Start: 42 @21422 has 2 MA's), (63, 21485), (74, 21533), (75, 21542), (81, 21560), (107, 21650), (116, 21665), (147, 21767), (150, 21773), (163, 21815), (165, 21821), (168, 21830), (169, 21833), (172, 21842), (206, 21905), (235, 21962), (239, 21971), (248, 21998),

Gene: Vallejo_11 Start: 9183, Stop: 9752, Start Num: 24
Candidate Starts for Vallejo_11:
(Start: 21 @9174 has 52 MA's), (Start: 24 @9183 has 25 MA's), (47, 9228), (81, 9357), (83, 9363), (92, 9408), (98, 9426), (103, 9441), (113, 9453), (147, 9537), (150, 9543), (168, 9594), (169, 9597), (179, 9621), (193, 9651), (202, 9672), (213, 9696), (228, 9726), (236, 9741), (238, 9744),

Gene: Vendetta_12 Start: 8930, Stop: 9409, Start Num: 55
Candidate Starts for Vendetta_12:
(Start: 38 @8885 has 43 MA's), (Start: 55 @8930 has 2 MA's), (74, 9005), (88, 9059), (94, 9089), (110, 9119), (139, 9176), (144, 9200), (162, 9245), (164, 9251), (165, 9254), (197, 9320), (207, 9338), (215, 9356), (235, 9395),

Gene: Vitas_7 Start: 6533, Stop: 7093, Start Num: 32
Candidate Starts for Vitas_7:
(Start: 32 @6533 has 91 MA's), (145, 6866), (171, 6938), (230, 7064),

Gene: Vorrps_40 Start: 21166, Stop: 21771, Start Num: 37
Candidate Starts for Vorrps_40:
(Start: 37 @21166 has 39 MA's), (Start: 42 @21181 has 2 MA's), (63, 21244), (74, 21292), (75, 21301), (81, 21319), (107, 21409), (116, 21424), (147, 21526), (150, 21532), (163, 21574), (165, 21580), (168, 21589), (169, 21592), (172, 21601), (206, 21664), (235, 21721), (239, 21730), (248, 21757),

Gene: Vulpecula_9 Start: 7452, Stop: 8039, Start Num: 14
Candidate Starts for Vulpecula_9:
(Start: 14 @7452 has 56 MA's), (75, 7632), (92, 7698), (95, 7710), (98, 7716), (106, 7737), (116, 7752), (123, 7773), (179, 7914), (193, 7944),

Gene: Vulture_7 Start: 6342, Stop: 6923, Start Num: 21
Candidate Starts for Vulture_7:
(Start: 21 @6342 has 52 MA's), (Start: 24 @6351 has 25 MA's), (47, 6396), (60, 6441), (77, 6513), (81, 6525), (83, 6531), (113, 6621), (116, 6630), (123, 6651), (145, 6702), (150, 6711), (168, 6762), (169, 6765), (173, 6777), (179, 6789), (193, 6819), (209, 6852), (238, 6912),

Gene: WalkingDead_8 Start: 7002, Stop: 7553, Start Num: 32
Candidate Starts for WalkingDead_8:
(Start: 32 @7002 has 91 MA's), (78, 7149), (87, 7179), (94, 7212), (100, 7227), (147, 7329), (165, 7380), (196, 7452), (209, 7479), (242, 7548),

Gene: Wanda_26 Start: 15568, Stop: 16137, Start Num: 34
Candidate Starts for Wanda_26:

(Start: 34 @15568 has 36 MA's), (75, 15706), (93, 15775), (126, 15853), (159, 15934), (169, 15964), (176, 15979), (178, 15982), (197, 16018), (200, 16024), (216, 16057), (247, 16123),

Gene: Wawa_11 Start: 9211, Stop: 9789, Start Num: 21
Candidate Starts for Wawa_11:
(Start: 21 @9211 has 52 MA's), (Start: 24 @9220 has 25 MA's), (47, 9265), (81, 9394), (83, 9400), (92, 9445), (98, 9463), (103, 9478), (113, 9490), (145, 9571), (147, 9574), (150, 9580), (168, 9631), (169, 9634), (173, 9646), (179, 9658), (193, 9688), (202, 9709), (213, 9733), (228, 9763), (236, 9778), (238, 9781),

Gene: Wayne_11 Start: 9311, Stop: 9883, Start Num: 23
Candidate Starts for Wayne_11:
(Start: 23 @9311 has 7 MA's), (77, 9473), (81, 9485), (83, 9491), (92, 9536), (147, 9665), (150, 9671), (179, 9749), (193, 9779), (213, 9824), (215, 9827), (236, 9869), (238, 9872),

Gene: WelcomeAyanna_8 Start: 6772, Stop: 7317, Start Num: 38
Candidate Starts for WelcomeAyanna_8:
(1, 6388), (Start: 38 @6772 has 43 MA's), (87, 6949), (88, 6952), (90, 6958), (92, 6973), (94, 6982), (98, 6991), (129, 7057), (144, 7087), (162, 7135), (168, 7153), (188, 7195), (219, 7255),

Gene: Westrich_10 Start: 7290, Stop: 7877, Start Num: 14
Candidate Starts for Westrich_10:
(Start: 14 @7290 has 56 MA's), (75, 7470), (89, 7518), (95, 7548), (98, 7554), (106, 7575), (114, 7587), (116, 7590), (123, 7611), (135, 7632), (160, 7704), (179, 7752), (209, 7815), (217, 7833),

Gene: Widow_7 Start: 5960, Stop: 6490, Start Num: 30
Candidate Starts for Widow_7:
(Start: 30 @5960 has 14 MA's), (60, 6023), (64, 6035), (67, 6047), (Start: 76 @6092 has 1 MA's), (92, 6155), (98, 6173), (144, 6275), (147, 6281), (204, 6422),

Gene: Wiggin_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Wiggin_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Wildflower_41 Start: 21152, Stop: 21757, Start Num: 37
Candidate Starts for Wildflower_41:
(Start: 37 @21152 has 39 MA's), (Start: 42 @21167 has 2 MA's), (63, 21230), (74, 21278), (75, 21287), (81, 21305), (107, 21395), (116, 21410), (147, 21512), (150, 21518), (163, 21560), (165, 21566), (168, 21575), (169, 21578), (172, 21587), (206, 21650), (235, 21707), (239, 21716), (248, 21743),

Gene: WileyE_8 Start: 6787, Stop: 7374, Start Num: 14
Candidate Starts for WileyE_8:
(Start: 14 @6787 has 56 MA's), (75, 6967), (92, 7033), (95, 7045), (98, 7051), (106, 7072), (116, 7087), (123, 7108), (179, 7249), (193, 7279),

Gene: Willez_14 Start: 9186, Stop: 9752, Start Num: 41
Candidate Starts for Willez_14:
(Start: 41 @9186 has 135 MA's), (83, 9324), (112, 9414), (115, 9423), (155, 9543), (161, 9570), (186, 9636),

Gene: Winget_42 Start: 21846, Stop: 22451, Start Num: 37
Candidate Starts for Winget_42:

(Start: 37 @21846 has 39 MA's), (Start: 42 @21861 has 2 MA's), (63, 21924), (74, 21972), (75, 21981), (81, 21999), (107, 22089), (116, 22104), (147, 22206), (150, 22212), (163, 22254), (165, 22260), (168, 22269), (169, 22272), (172, 22281), (206, 22344), (235, 22401), (239, 22410), (248, 22437),

Gene: Wogge42_40 Start: 21485, Stop: 22090, Start Num: 37
Candidate Starts for Wogge42_40:
(Start: 37 @21485 has 39 MA's), (Start: 42 @21500 has 2 MA's), (63, 21563), (74, 21611), (75, 21620), (81, 21638), (107, 21728), (116, 21743), (147, 21845), (150, 21851), (163, 21893), (165, 21899), (168, 21908), (169, 21911), (172, 21920), (206, 21983), (235, 22040), (239, 22049), (248, 22076),

Gene: WonderBoy_7 Start: 6336, Stop: 6905, Start Num: 24
Candidate Starts for WonderBoy_7:
(Start: 21 @6327 has 52 MA's), (Start: 24 @6336 has 25 MA's), (47, 6381), (81, 6510), (83, 6516), (98, 6579), (103, 6594), (113, 6606), (123, 6636), (145, 6687), (147, 6690), (150, 6696), (168, 6747), (169, 6750), (179, 6774), (193, 6804), (213, 6849), (228, 6879), (236, 6894), (238, 6897),

Gene: WorMMAs_7 Start: 5889, Stop: 6434, Start Num: 19
Candidate Starts for WorMMAs_7:
(19, 5889), (64, 5985), (75, 6039), (Start: 76 @6042 has 1 MA's), (83, 6060), (86, 6078), (117, 6159), (144, 6225), (147, 6231), (168, 6285), (175, 6303), (178, 6309), (212, 6381),

Gene: Xandras_16 Start: 9133, Stop: 9699, Start Num: 41
Candidate Starts for Xandras_16:
(Start: 41 @9133 has 135 MA's), (83, 9271), (112, 9361), (115, 9370), (155, 9490), (161, 9517), (186, 9583),

Gene: Xeno_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Xeno_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Xerxes_8 Start: 5956, Stop: 6441, Start Num: 58
Candidate Starts for Xerxes_8:
(10, 5854), (13, 5860), (18, 5872), (Start: 58 @5956 has 47 MA's), (70, 5995), (80, 6043), (87, 6073), (98, 6115), (103, 6130), (113, 6142), (116, 6151), (125, 6175), (150, 6232), (158, 6253), (165, 6274), (206, 6349), (214, 6367), (222, 6382), (240, 6415), (244, 6424),

Gene: Xiaokay_22 Start: 15575, Stop: 16144, Start Num: 34
Candidate Starts for Xiaokay_22:
(Start: 34 @15575 has 36 MA's), (75, 15713), (126, 15860), (159, 15941), (169, 15971), (176, 15986), (178, 15989), (197, 16025), (200, 16031), (216, 16064), (247, 16130),

Gene: Xula_8 Start: 6619, Stop: 7164, Start Num: 37
Candidate Starts for Xula_8:
(6, 6433), (Start: 37 @6619 has 39 MA's), (Start: 51 @6655 has 2 MA's), (74, 6742), (75, 6751), (87, 6796), (94, 6829), (150, 6955), (235, 7129), (246, 7150),

Gene: YassJohnny_15 Start: 9678, Stop: 10244, Start Num: 41
Candidate Starts for YassJohnny_15:
(Start: 41 @9678 has 135 MA's), (83, 9816), (112, 9906), (115, 9915), (155, 10035), (161, 10062), (186, 10128),

Gene: Yeet_23 Start: 15301, Stop: 15870, Start Num: 34
Candidate Starts for Yeet_23:
(Start: 34 @15301 has 36 MA's), (75, 15439), (126, 15586), (159, 15667), (169, 15697), (176, 15712), (178, 15715), (197, 15751), (200, 15757), (216, 15790), (247, 15856),

Gene: Youngblood_14 Start: 9311, Stop: 9877, Start Num: 41
Candidate Starts for Youngblood_14:
(Start: 41 @9311 has 135 MA's), (83, 9449), (112, 9539), (115, 9548), (155, 9668), (161, 9695), (186, 9761),

Gene: YoyoKar_39 Start: 21130, Stop: 21735, Start Num: 37
Candidate Starts for YoyoKar_39:
(Start: 37 @21130 has 39 MA's), (Start: 42 @21145 has 2 MA's), (63, 21208), (74, 21256), (75, 21265), (81, 21283), (107, 21373), (116, 21388), (147, 21490), (150, 21496), (163, 21538), (165, 21544), (168, 21553), (169, 21556), (172, 21565), (206, 21628), (235, 21685), (239, 21694), (248, 21721),

Gene: YungJamal_44 Start: 21885, Stop: 22490, Start Num: 37
Candidate Starts for YungJamal_44:
(Start: 37 @21885 has 39 MA's), (Start: 42 @21900 has 2 MA's), (63, 21963), (74, 22011), (75, 22020), (81, 22038), (107, 22128), (116, 22143), (147, 22245), (150, 22251), (163, 22293), (165, 22299), (168, 22308), (169, 22311), (172, 22320), (206, 22383), (235, 22440), (239, 22449), (248, 22476),

Gene: Zakhe101_41 Start: 21296, Stop: 21901, Start Num: 37
Candidate Starts for Zakhe101_41:
(Start: 37 @21296 has 39 MA's), (Start: 42 @21311 has 2 MA's), (63, 21374), (74, 21422), (75, 21431), (81, 21449), (107, 21539), (116, 21554), (147, 21656), (150, 21662), (163, 21704), (165, 21710), (168, 21719), (169, 21722), (172, 21731), (206, 21794), (235, 21851), (239, 21860), (248, 21887),

Gene: Zameen_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Zameen_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (168, 7155), (188, 7197), (219, 7257),

Gene: Zebo_41 Start: 21580, Stop: 22185, Start Num: 37
Candidate Starts for Zebo_41:
(Start: 37 @21580 has 39 MA's), (Start: 42 @21595 has 2 MA's), (63, 21658), (74, 21706), (75, 21715), (81, 21733), (107, 21823), (116, 21838), (147, 21940), (150, 21946), (163, 21988), (165, 21994), (168, 22003), (169, 22006), (172, 22015), (206, 22078), (235, 22135), (239, 22144), (248, 22171),

Gene: Zelink_26 Start: 16153, Stop: 16722, Start Num: 34
Candidate Starts for Zelink_26:
(Start: 34 @16153 has 36 MA's), (75, 16291), (126, 16438), (159, 16519), (169, 16549), (176, 16564), (178, 16567), (197, 16603), (200, 16609), (216, 16642), (247, 16708),

Gene: Zhuangyuan_10 Start: 7471, Stop: 8058, Start Num: 14
Candidate Starts for Zhuangyuan_10:
(Start: 14 @7471 has 56 MA's), (75, 7651), (95, 7729), (104, 7753), (106, 7756), (116, 7771), (123, 7792), (143, 7837), (146, 7843), (149, 7849), (160, 7885), (179, 7933), (193, 7963),

Gene: Zirinka_8 Start: 6774, Stop: 7319, Start Num: 38
Candidate Starts for Zirinka_8:
(1, 6387), (Start: 38 @6774 has 43 MA's), (63, 6852), (80, 6921), (87, 6951), (90, 6960), (92, 6975), (94, 6984), (98, 6993), (129, 7059), (144, 7089), (147, 7095), (162, 7137), (166, 7149), (168, 7155),

(188, 7197), (219, 7257),

Gene: Zixiang_9 Start: 7090, Stop: 7677, Start Num: 14
Candidate Starts for Zixiang_9:
(Start: 14 @7090 has 56 MA's), (75, 7270), (89, 7318), (95, 7348), (98, 7354), (106, 7375), (116, 7390), (123, 7411), (135, 7432), (146, 7462), (179, 7552), (209, 7615),

Gene: Zorro_11 Start: 9199, Stop: 9768, Start Num: 24
Candidate Starts for Zorro_11:
(Start: 21 @9190 has 52 MA's), (Start: 24 @9199 has 25 MA's), (47, 9244), (81, 9373), (83, 9379), (92, 9424), (98, 9442), (103, 9457), (113, 9469), (145, 9550), (147, 9553), (150, 9559), (168, 9610), (169, 9613), (173, 9625), (179, 9637), (193, 9667), (202, 9688), (213, 9712), (228, 9742), (236, 9757), (238, 9760),

Gene: xkcd_15 Start: 9338, Stop: 9904, Start Num: 41
Candidate Starts for xkcd_15:
(Start: 41 @9338 has 135 MA's), (83, 9476), (112, 9566), (115, 9575), (155, 9695), (161, 9722), (186, 9788),