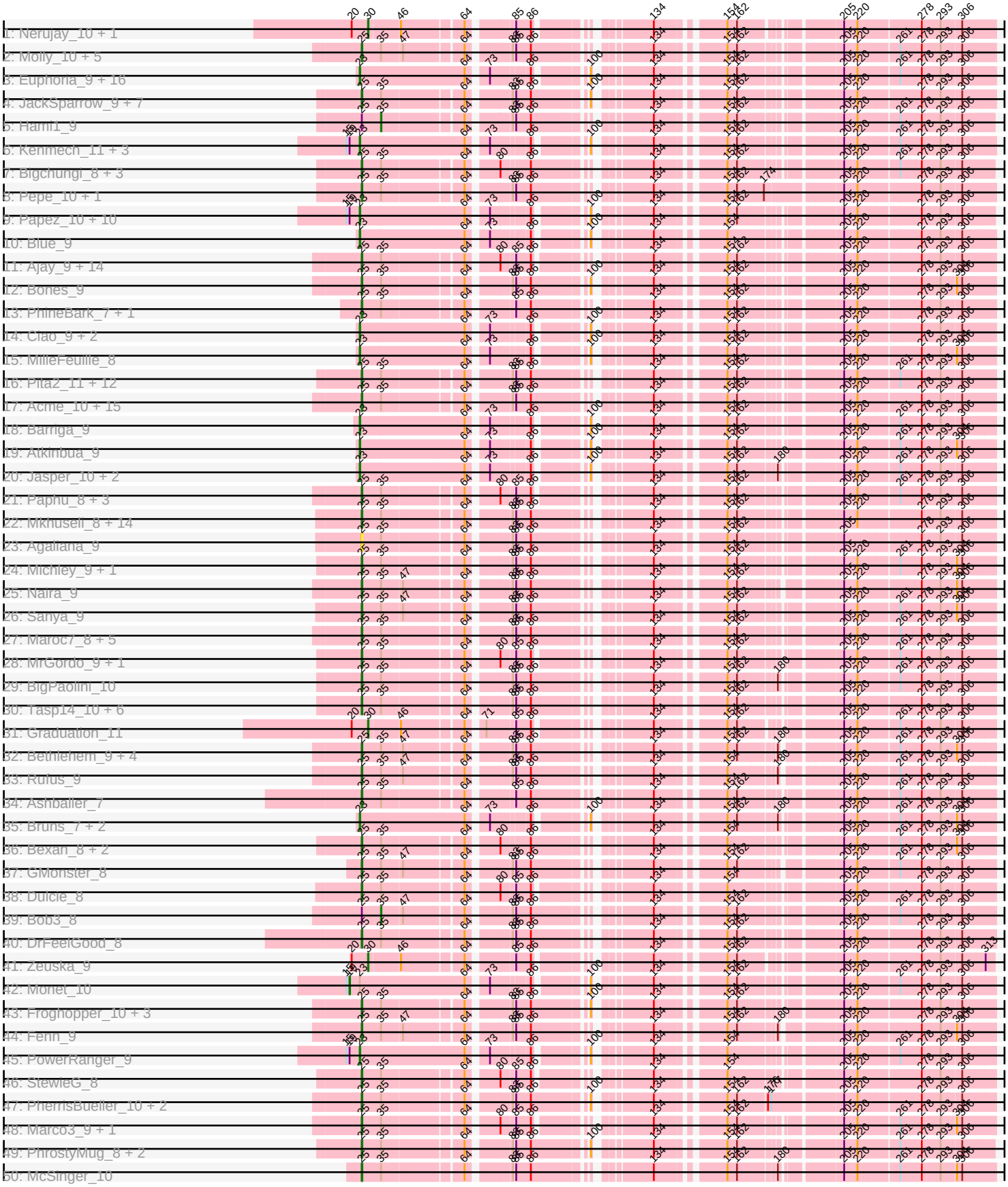
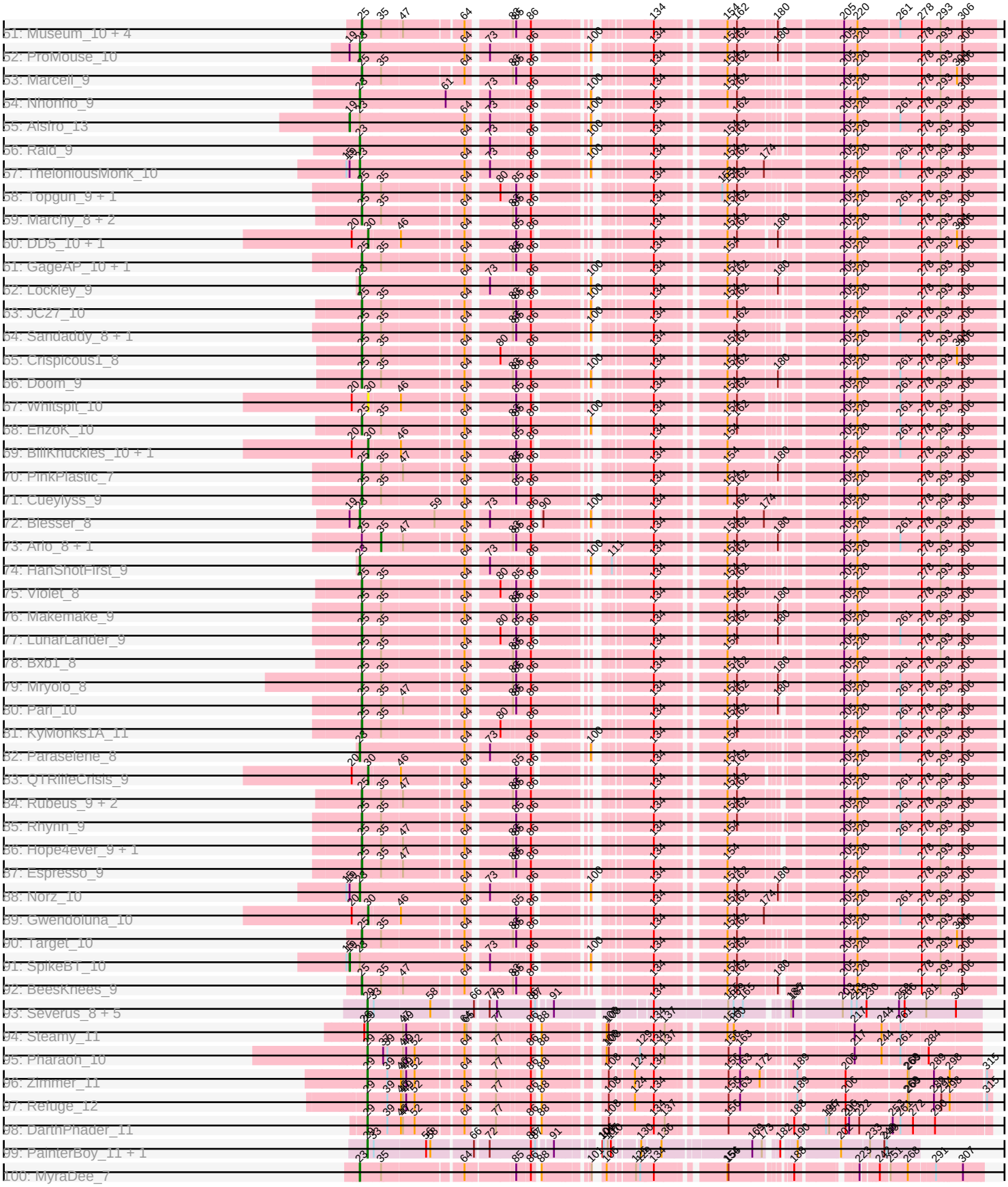
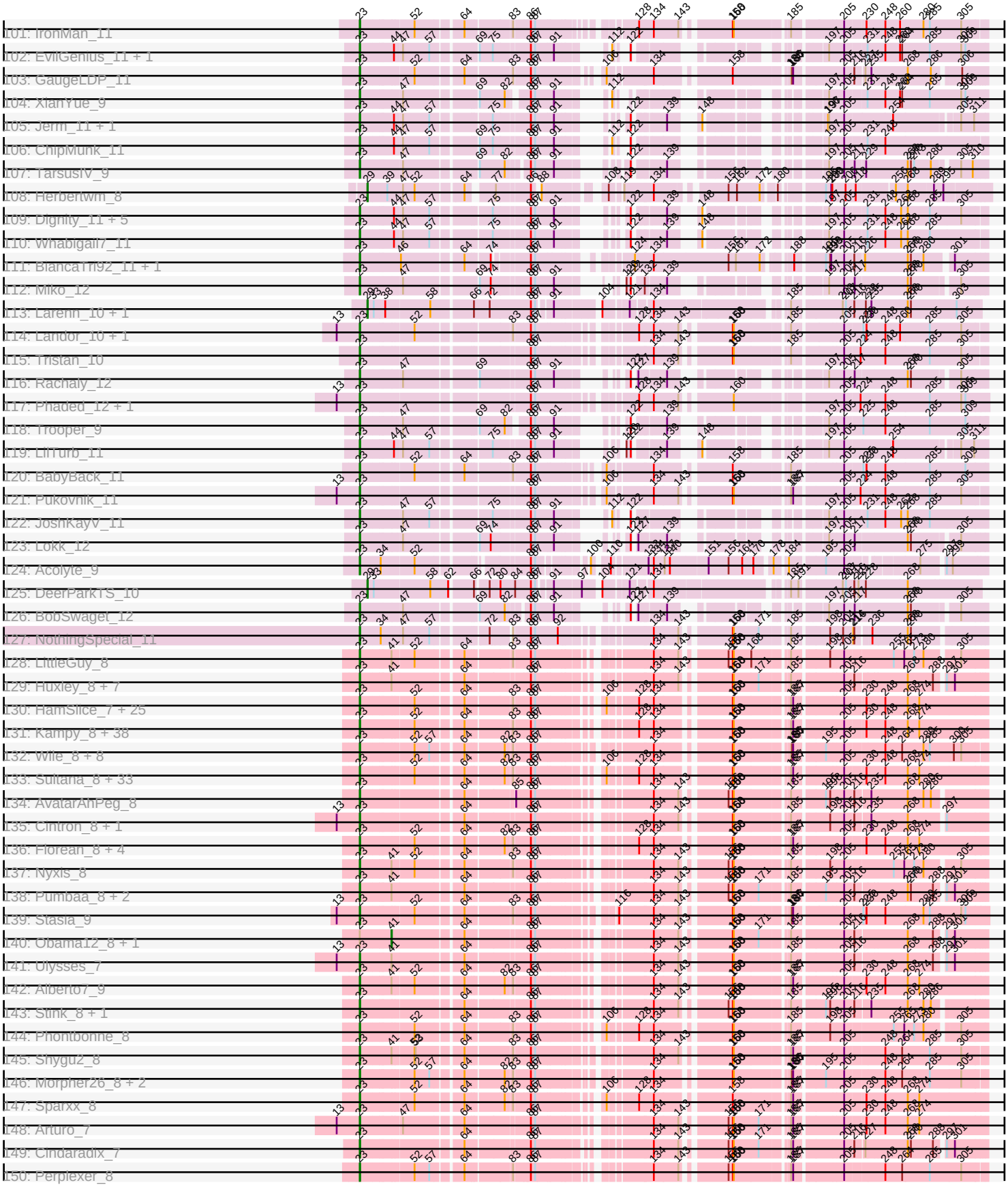
Pham 347062


1: Nerujay_10 + 1
2: Molly_10 + 5
3: Euphoria_9 + 16
4: JackSparrow_9 + 7
5: Hamri_9
6: Kenmech_11 + 3
7: Bigchungi_8 + 3
8: Pepe_10 + 1
9: Papez_10 + 10
10: Blue_9
11: Ajay_9 + 14
12: Bones_9
13: PhineBark_7 + 1
14: Ciao_9 + 2
15: MilleFeuille_8
16: Pita2_11 + 12
17: Acme_10 + 15
18: Barriga_9
19: Atkinbua_9
20: Jasper_10 + 2
21: Paphu_8 + 3
22: Mkhuseli_8 + 14
23: Agaliana_9
24: Michley_9 + 1
25: Naira_9
26: Sanya_9
27: Maroc7_8 + 5
28: MrGordo_9 + 1
29: BigPaolini_10
30: Tasp14_10 + 6
31: Graduation_11
32: Bethlehem_9 + 4
33: Rufus_9
34: Ashballer_7
35: Bruns_7 + 2
36: Bexan_8 + 2
37: GMonster_8
38: Dulcie_8
39: Bob3_8
40: DrFeelGood_8
41: Zeuska_9
42: Monet_10
43: Froghopper_10 + 3
44: Fenn_9
45: PowerRanger_9
46: StewieG_8
47: PherrisBueller_10 + 2
48: Marco3_9 + 1
49: PhrostyMug_8 + 2
50: McSinger_10

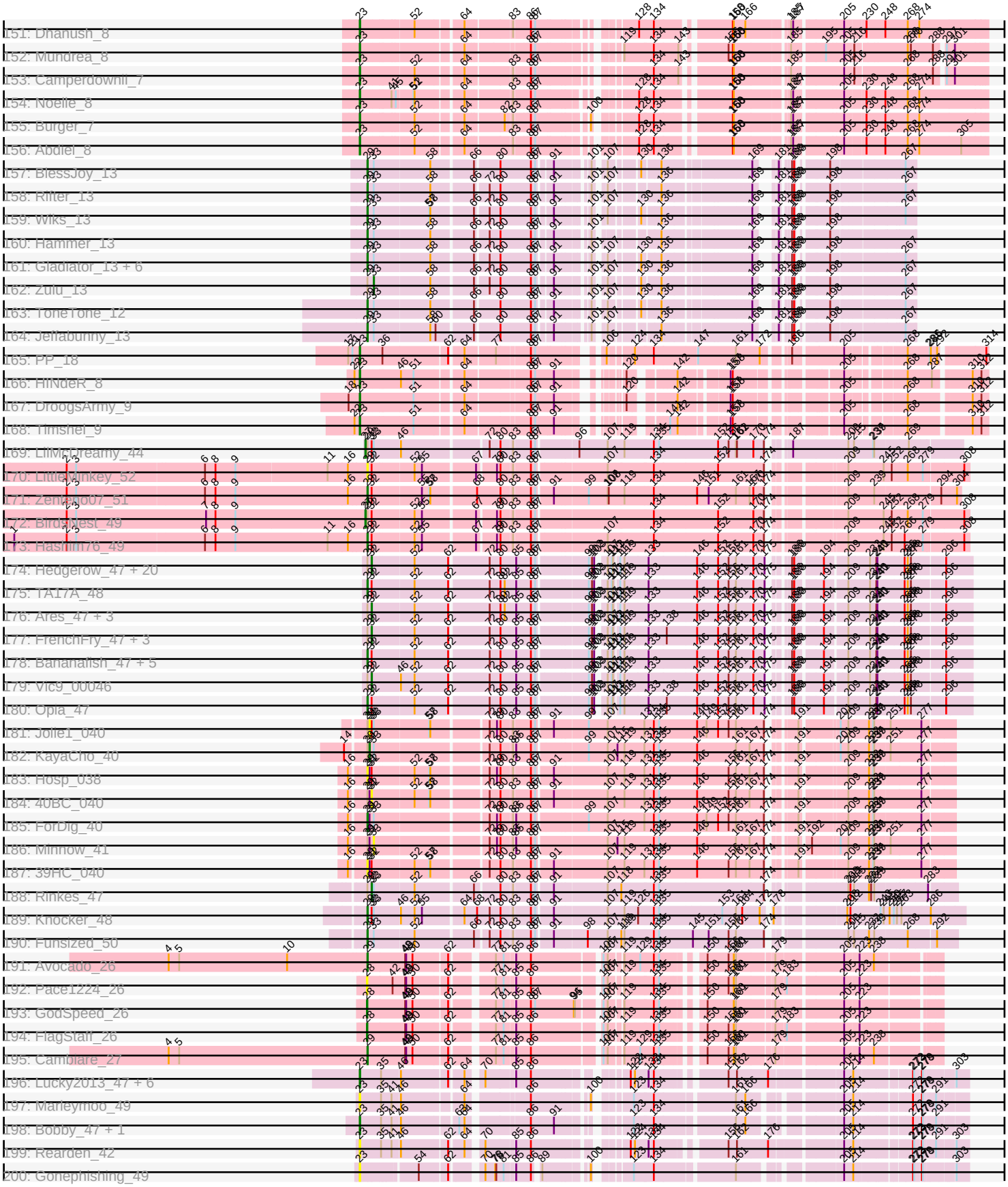
Pham 347062


51: Museum_10 + 4
52: ProMouse_10
53: Marcell_9
54: Nhonho_9
55: Aisiro_13
56: Raid_9
57: TheloniousMonk_10
58: Topgun_9 + 1
59: Marchy_8 + 2
60: DD5_10 + 1
61: GageAP_10 + 1
62: Lockley_9
63: JC27_10
64: Sandaddy_8 + 1
65: Crispicous1_8
66: Doom_9
67: Whitspit_10
68: EnzoK_10
69: BillKnuckles_10 + 1
70: PinkPlastic_7
71: Cueylyss_9
72: Blesser_8
73: Aho_8 + 1
74: HanShotFirst_9
75: Violet_8
76: Makemake_9
77: LunarLander_9
78: Bxb1_8
79: Mryolo_8
80: Pari_10
81: KyMonks1A_11
82: Paraselene_8
83: QTRifleCrisis_9
84: Rubeus_9 + 2
85: Rhynn_9
86: Hope4ever_9 + 1
87: Espresso_9
88: Norz_10
89: Gwendoluna_10
90: Target_10
91: SpikeBT_10
92: BeesKnees_9
93: Severus_8 + 5
94: Steamy_11
95: Pharaoh_10
96: Zimmer_11
97: Refuge_12
98: DarthPhader_11
99: PainterBoy_11 + 1
100: MyraDee_7

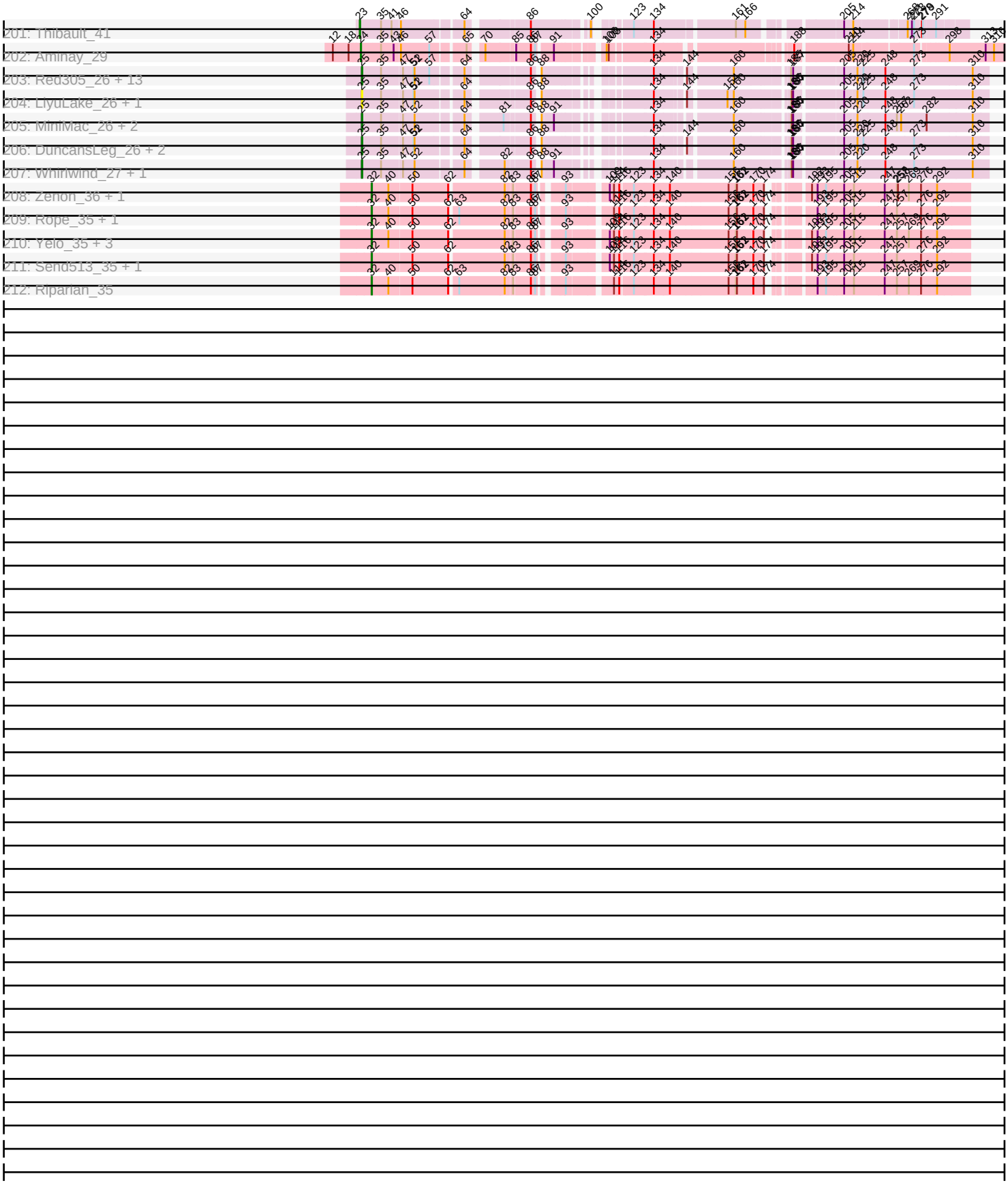
Pham 347062


I01: IronMan_11
I02: EvilGenius_11 + 1
I03: GaugeLDP_11
I04: XianYue_9
I05: Jerm_11 + 1
I06: ChipMunk_11
I07: TarsusIV_9
I08: Herbertwm_8
I09: Dignity_11 + 5
I10: Whabigail7_11
I11: BiancaTh92_11 + 1
I12: Miko_12
I13: Larenn_10 + 1
I14: Landor_10 + 1
I15: Tristan_10
I16: Rachaly_12
I17: Phaded_12 + 1
I18: Trooper_9
I19: LilYurb_11
I20: BabyBack_11
I21: Pukovnik_11
I22: JoshKayV_11
I23: Lokk_12
I24: Acolyte_9
I25: DeerParkTS_10
I26: BobSwaget_12
I27: NothingSpecial_11
I28: LittleGuy_8
I29: Huxley_8 + 7
I30: HamSlice_7 + 25
I31: Kampy_8 + 38
I32: Wile_8 + 8
I33: Sultana_8 + 33
I34: AvatarAnPeg_8
I35: Cintron_8 + 1
I36: Florean_8 + 4
I37: Nyxis_8
I38: Pumbaa_8 + 2
I39: Stasia_9
I40: Obama12_8 + 1
I41: Ulysses_7
I42: Alberto7_9
I43: Stink_8 + 1
I44: Phontbonne_8
I45: Shygu2_8
I46: Morpher26_8 + 2
I47: Sparxx_8
I48: Arturo_7
I49: Cindaradix_7
I50: Perplexer_8

Pham 347062


151: Dhanush_8
152: Mundrea_8
153: Camperdownii_7
154: Noelle_8
155: Burger_7
156: Abdiel_8
157: BlessJoy_13
158: Ritter_13
159: Wiks_13
160: Hammer_13
161: Gladiator_13 + 6
162: Zulu_13
163: ToneTone_12
164: Jerrabunny_13
165: PP_18
166: HiNdeR_8
167: DroogsArmy_9
168: Timshel_9
169: LilMcDreamy_44
170: Littlevinkey_52
171: Zenzabo07_51
172: Birdynest_49
173: Rashim76_49
174: Hedgerow_47 + 20
175: TA17A_48
176: Ares_47 + 3
177: FrenchFry_47 + 3
178: Bananafish_47 + 5
179: Vic9_00046
180: Opia_47
181: Jolie1_040
182: KayaCho_40
183: Hosp_038
184: 40BC_040
185: ForDig_40
186: Minnow_41
187: 39HC_040
188: Rinkes_47
189: Knocker_48
190: Funsized_50
191: Avocado_26
192: Pace1224_26
193: GodSpeed_26
194: FlagStaff_26
195: Camblare_27
196: Lucky2013_47 + 6
197: Marleymoo_49
198: Bobby_47 + 1
199: Rearden_42
200: Gonephishing_49

Pham 347062


201: Thibault_41
202: Aminay_29
203: Red305_26 + 13
204: LlyuLake_26 + 1
205: MiniMac_26 + 2
206: DuncansLeg_26 + 2
207: Whirlwind_27 + 1
208: Zenon_36 + 1
209: Rope_35 + 1
210: Yelo_35 + 3
211: Send513_35 + 1
212: Riparian_35

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 347062 Report

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

Pham number 347062 has 573 members, 38 are drafts.

Phages represented in each track:
• Track 1 : Nerujay_10, KBG_10
• Track 2 : Molly_10, Petp2012_11, Burton_9, PascalRango_8, BPBiebs31_10, KSSJEB_8
• Track 3 : Euphoria_9, Jerm2_9, Zephyr_9, MPlant7149_8, PattyP_10, BigMau_10, BaconJack_10, Niza_10, Rohr_10, HermioneGrange_10, Carlyle_11, Manatee_9, MetalQZJ_9, Lopton_10, Corvo_9, MaryBeth_9, RidgeCB_9
• Track 4 : JackSparrow_9, Moose_8, Trouble_9, Perseus_10, Sunshine924_8, Applejack_9, SwissCheese_9, Forsytheast_8
• Track 5 : Hami1_9
• Track 6 : Kenmech_11, Treddle_10, Edtherson_10, LilBib_9
• Track 7 : Bigchungi_8, ShortQueendom_8, Blackflame_8, Smairt_10
• Track 8 : Pepe_10, Pelly_10
• Track 9 : Papez_10, Aldrich_10, Hermia_11, Gandalf20_10, CatBus_10, DirtDevil_10, GroundGoblin_10, KikiBouba_11, Noxious_11, Buttons_10, CartmannCramer_9
• Track 10 : Blue_9
• Track 11 : Ajay_9, Ringer_8, BarrowTuph_8, ILeeKay_11, Smeagol_10, SkiPole_11, PacerPaul_9, Kugel_10, Ohno789_8, Teodoridan_7, Dussy_10, AFIS_9, Francis47_9, Abbyshoes_10, Peterson_11
• Track 12 : Bones_9
• Track 13 : PhineBark_7, Levia_8
• Track 14 : Ciao_9, Fajezeel_10, Greg_10
• Track 15 : MilleFeuille_8
• Track 16 : Pita2_11, Lesedi_8, Fushigi_9, Inyanga_8, Iqorha_8, Tote_11, Lamina13_9, Swole_11, PSullivan_11, Marge_9, Parliament_8, JuliaChild_11, Dexes_10
• Track 17 : Acme_10, Seanderson_10, Turj99_8, Ruotula_8, Big3_9, Magnar_9, Adahisdi_10, Pippin_10, Scowl_10, Abrogate_100, Phlippers_8, Sagefire_10, Tripl3t_10, Oogway_8, Chanagan_8, Homines_9
• Track 18 : Barriga_9
• Track 19 : Atkinbua_9
• Track 20 : Jasper_10, Marsha_9, Licorice_11
• Track 21 : Paphu_8, Alvin_10, Eyeball_9, Puppet_9
• Track 22 : Mkhuseli_8, Altman_10, ChristmasHams_9, Bircsak_9, Watermelon_11, A6_07, HarryOW_10, Gompeii16_9, GrecoEtereo_10, Anglerfish_9, Traft412_11, BK1_07, Pinto_11, Kanely_10, ConceptII_9
• Track 23 : Agaliana_9

• Track 24 : Michley_9, Zeeculate_8
• Track 25 : Naira_9
• Track 26 : Sanya_9
• Track 27 : Maroc7_8, Fascinus_8, Thor_9, CactusRose_8, Wheeler_9, SarFire_9
• Track 28 : MrGordo_9, Snazzy_7
• Track 29 : BigPaolini_10
• Track 30 : Tasp14_10, Slagathor_9, Magnito_8, Gachnar_9, Rutherferd_10, Kykar_7, TwoPeat_10
• Track 31 : Graduation_11
• Track 32 : Bethlehem_9, U2_8, Ichabod_9, Briton15_10, Switzer_9
• Track 33 : Rufus_9
• Track 34 : Ashballer_7
• Track 35 : Bruns_7, Sumter_8, DreamCatcher_10
• Track 36 : Bexan_8, StrongArm_8, Beatrix_8
• Track 37 : GMonster_8
• Track 38 : Dulcie_8
• Track 39 : Bob3_8
• Track 40 : DrFeelGood_8
• Track 41 : Zeuska_9
• Track 42 : Monet_10
• Track 43 : Froghopper_10, IgnatiusPatJac_8, Petruchio_9, BluSpix_9
• Track 44 : Fenn_9
• Track 45 : PowerRanger_9
• Track 46 : StewieG_8
• Track 47 : PherrisBueller_10, Dreamboat_10, Jorgensen_9
• Track 48 : Marco3_9, STLscum_10
• Track 49 : PhrostyMug_8, Aeneas_10, Mule_8
• Track 50 : McSinger_10
• Track 51 : Museum_10, Seabiscuit_10, McGuire_9, Killigrew_7, Dynamix_9
• Track 52 : ProMouse_10
• Track 53 : Marcell_9
• Track 54 : Nhonho_9
• Track 55 : Alsfro_13
• Track 56 : Raid_9
• Track 57 : TheloniousMonk_10
• Track 58 : Topgun_9, Wilkins_9
• Track 59 : Marchy_8, Payneful_9, Bigfoot_8
• Track 60 : DD5_10, Squee_9
• Track 61 : GageAP_10, Gyzlar_10
• Track 62 : Lockley_9
• Track 63 : JC27_10
• Track 64 : Sandaddy_8, Sorpresa_9
• Track 65 : Crispicous1_8
• Track 66 : Doom_9
• Track 67 : Whitspit_10
• Track 68 : EnzoK_10
• Track 69 : BillKnuckles_10, Solon_9
• Track 70 : PinkPlastic_7
• Track 71 : Cueylyss_9
• Track 72 : Blesser_8
• Track 73 : Arlo_8, NEHalo_9
• Track 74 : HanShotFirst_9
• Track 75 : Violet_8

• Track 76 : Makemake_9
• Track 77 : LunarLander_9
• Track 78 : Bxb1_8
• Track 79 : Mryolo_8
• Track 80 : Pari_10
• Track 81 : KyMonks1A_11
• Track 82 : Paraselene_8
• Track 83 : QTRlifeCrisis_9
• Track 84 : Rubeus_9, Sibs6_10, Rajelicia_8
• Track 85 : Rhynn_9
• Track 86 : Hope4ever_9, Arcanine_9
• Track 87 : Espresso_9
• Track 88 : Norz_10
• Track 89 : Gwendoluna_10
• Track 90 : Target_10
• Track 91 : SpikeBT_10
• Track 92 : BeesKnees_9
• Track 93 : Severus_8, Drake94_8, KittenMittens_8, Poompha_8, PeaceMeal1_8, Trike_7
• Track 94 : Steamy_11
• Track 95 : Pharaoh_10
• Track 96 : Zimmer_11
• Track 97 : Refuge_12
• Track 98 : DarthPhader_11
• Track 99 : PainterBoy_11, Lucyedi_11
• Track 100 : MyraDee_7
• Track 101 : IronMan_11
• Track 102 : EvilGenius_11, KingCyrus_11
• Track 103 : GaugeLDP_11
• Track 104 : XianYue_9
• Track 105 : Jerm_11, Turbido_11
• Track 106 : ChipMunk_11
• Track 107 : TarsusIV_9
• Track 108 : Herbertwm_8
• Track 109 : Dignity_11, AbbyPaige_11, Bugsy_11, Smeagan_11, Leviathan_11, Agape74_11
• Track 110 : Whabigail7_11
• Track 111 : BiancaTri92_11, Leogania_11
• Track 112 : Miko_12
• Track 113 : Larenn_10, Malec_10
• Track 114 : Landor_10, Bactobuster_10
• Track 115 : Tristan_10
• Track 116 : Rachaly_12
• Track 117 : Phaded_12, Jaan_12
• Track 118 : Trooper_9
• Track 119 : LilTurb_11
• Track 120 : BabyBack_11
• Track 121 : Pukovnik_11
• Track 122 : JoshKayV_11
• Track 123 : Lokk_12
• Track 124 : Acolyte_9
• Track 125 : DeerParkTS_10
• Track 126 : BobSwaget_12

• Track 127 : NothingSpecial_11
• Track 128 : LittleGuy_8
• Track 129 : Huxley_8, Iracema64_8, LHTSCC_8, SheldonCooper_8, Rosa24_7, ChampagnePapi_8, BangNhom_7, Cerulean_8
• Track 130 : HamSlice_7, TiroTheta9_8, LeoAvram_8, Koreni_7, OKaNui_8, TroyPia_8, JetBlade_8, Eagle_7, Relief_8, Rocksand_8, Flux_8, Eapen_8, Kingmustik0402_8, Iceman_8, Polymorphads_8, TinaFeyge_8, Spino_8, Northrop_8, NorthStar_8, SenorClean_8, Happiness_8, Romney_8, Nebs_8, Wilbur_8, Deano_8, Eurydice_8
• Track 131 : Kampy_8, Lorenzo_8, Ohfah_8, SteMason_8, Kratark_8, Maxo_8, Mazhar510_8, Phacado_8, Albee_8, Bombshell_8, Maverick_8, Phelipe_8, Avle17_8, Taquarus_8, BellusTerra_8, Commander_8, TygerBlood_8, Buckaroo_7, Gadost_8, Mayonnaise_8, Melvin_8, Palestino_8, DirtyDunning_8, Kyee_8, Cocoaberry_8, Koan_8, Caelakin_8, Bruiser_8, Houdini22_8, Nemo27_8, BubbleTrouble_8, Broseidon_8, NotAPhaseMom_8, Skipitt_8, Shaka_8, Chaph_8, Skadoosh_8, JoongJeon_8, Wander_8
• Track 132 : Wile_8, Badger_8, PetiteSangsue_8, Cici_8, Katalie136_8, Xena_8, Datway_8, Achebe_8, Backyardigan_8
• Track 133 : Sultana_8, Sabertooth_8, CentreCat_8, Clarenza_8, Ruin_8, Holli_8, Connomayer_8, Eros_8, RockieBear_8, Peaches_8, ICleared_8, Wizard007_8, MeeZee_8, Millski_8, Baby16_8, Pipcraft_8, Medusa_8, Citius_8, KekoraPapaka_7, Bartimeaus_8, LappelDuVide_8, Roosevelt_8, Funston_8, KFPoly_8, Lunsford_9, Blackmoor_8, Scamp_8, PeterPeter_8, Jaykayelowell_8, Lemur_8, Eris_8, Druantia_8, Thanksgivukkah_8, Morrow_8
• Track 134 : AvatarAhPeg_8
• Track 135 : Cintron_8, Kremtemulon_8
• Track 136 : Florean_8, LittleB_8, Annyong_8, YoSam321_8, Junimo_7
• Track 137 : Nyxis_8
• Track 138 : Pumbaa_8, Phighter1804_8, LochMonster_8
• Track 139 : Stasia_9
• Track 140 : Obama12_8, Tinybot_7
• Track 141 : Ulysses_7
• Track 142 : Alberto7_9
• Track 143 : Stink_8, Miramae_8
• Track 144 : Phontbonne_8
• Track 145 : Shygu2_8
• Track 146 : Morpher26_8, AbbysRanger_8, Bumblebee11_8
• Track 147 : Sparxx_8
• Track 148 : Arturo_7
• Track 149 : Cindaradix_7
• Track 150 : Perplexer_8
• Track 151 : Dhanush_8
• Track 152 : Mundrea_8
• Track 153 : Camperdownii_7
• Track 154 : Noelle_8
• Track 155 : Burger_7
• Track 156 : Abdiel_8
• Track 157 : BlessJoy_13
• Track 158 : Rifter_13
• Track 159 : Wiks_13
• Track 160 : Hammer_13
• Track 161 : Gladiator_13, Blue7_13, Yokurt_13, Gruunaga_13, WunderPhul_13, Lilbunny_13, Zaka_13

• Track 162 : Zulu_13
• Track 163 : ToneTone_12
• Track 164 : Jeffabunny_13
• Track 165 : PP_18
• Track 166 : HINdeR_8
• Track 167 : DroogsArmy_9
• Track 168 : Timshel_9
• Track 169 : LilMcDreamy_44
• Track 170 : LittleMinkey_52
• Track 171 : Zenteno07_51
• Track 172 : BirdsNest_49
• Track 173 : Hashim76_49
• Track 174 : Hedgerow_47, Rhinoforte_47, LilSmirk_47, Boyle_47, Eaglehorse_47, Lars_47, MasterPo_47, Tres_47, Tinciduntsolum_48, Holeinone_47, Kolhan_47, Allegro_47, Glass_47, Lephleur_47, Kheth_47, Brownie5_47, Calamitous_47, Coffee_47, Godines_47, West99_47, Laurie_46
• Track 175 : TA17A_48
• Track 176 : Ares_47, Phantasmagoria_47, LizLemon_47, Faze9_46
• Track 177 : FrenchFry_47, Sabella_46, ItsyBitsy1_47, Kaleb_47
• Track 178 : Bananafish_47, Blocker23_47, Qyrzula_44, PrinceCharming_47, Arbiter_46, Rosebush_46
• Track 179 : Vic9_00046
• Track 180 : Opia_47
• Track 181 : Jolie1_040
• Track 182 : KayaCho_40
• Track 183 : Hosp_038
• Track 184 : 40BC_040
• Track 185 : ForDig_40
• Track 186 : Minnow_41
• Track 187 : 39HC_040
• Track 188 : Rinkes_47
• Track 189 : Knocker_48
• Track 190 : Funsized_50
• Track 191 : Avocado_26
• Track 192 : Pace1224_26
• Track 193 : GodSpeed_26
• Track 194 : FlagStaff_26
• Track 195 : Cambiare_27
• Track 196 : Lucky2013_47, Courthouse_47, Porcelain_46, Ariel_47, Superphikiman_47, Squint_46, MiaZeal_47
• Track 197 : Marleymoo_49
• Track 198 : Bobby_47, Hidrated_46
• Track 199 : Rearden_42
• Track 200 : Gonephishing_49
• Track 201 : Thibault_41
• Track 202 : Aminay_29
• Track 203 : Red305_26, Jubie_26, Bellis_26, Snenia_26, Finnry_26, Clautastrophe_26, TriFive_26, Nicholas_26, Moostard_26, Lumos_26, Samty_26, Kingsolomon_26, MsGreen_26, Jobypre_26
• Track 204 : LiyuLake_26, Ellson_26
• Track 205 : MiniMac_26, MiniLon_26, Lolly9_26
• Track 206 : DuncansLeg_26, BourbonZero_25, KirDoubleO7_24
• Track 207 : Whirlwind_27, Krypton555_26

• Track 208 : Zenon_36, Nilo_36
• Track 209 : Rope_35, Papyrus_35
• Track 210 : Yelo_35, Weiss13_35, Gimesa_36, MontyDev_35
• Track 211 : Send513_35, Candle_35
• Track 212 : Riparian_35

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

The start number called the most often in the published annotations is 23, it was called in 243 of the 535 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyPaige_11, AbbysRanger_8, Abdiel_8, Achebe_8, Acolyte_9, Agape74_11, Albee_8, Alberto7_9, Aldrich_10, Annyong_8, Ariel_47, Arturo_7, Atkinbua_9, AvatarAhPeg_8, Avle17_8, Baby16_8, BabyBack_11, Backyardigan_8, BaconJack_10, Bactobuster_10, Badger_8, BangNhom_7, Barriga_9, Bartimeaus_8, BellusTerra_8, BiancaTri92_11, BigMau_10, Blackmoor_8, Blesser_8, Blue_9, BobSwaget_12, Bobby_47, Bombshell_8, Broseidon_8, Bruiser_8, Bruns_7, BubbleTrouble_8, Buckaroo_7, Bugsy_11, Bumblebee11_8, Burger_7, Buttons_10, Caelakin_8, Camperdownii_7, Carlyle_11, CartmannCramer_9, CatBus_10, CentreCat_8, Cerulean_8, ChampagnePapi_8, Chaph_8, ChipMunk_11, Ciao_9, Cici_8, Cindaradix_7, Cintron_8, Citius_8, Clarenza_8, Cocoaberry_8, Commander_8, Connomayer_8, Corvo_9, Courthouse_47, Datway_8, Deano_8, Dhanush_8, Dignity_11, DirtDevil_10, DirtyDunning_8, DreamCatcher_10, DroogsArmy_9, Druantia_8, Eagle_7, Eapen_8, Edtherson_10, Eris_8, Eros_8, Euphoria_9, Eurydice_8, EvilGenius_11, Fajezeel_10, Florean_8, Flux_8, Funston_8, Gadost_8, Gandalf20_10, GaugeLDP_11, Gonephishing_49, Greg_10, GroundGoblin_10, HINdeR_8, HamSlice_7, HanShotFirst_9, Happiness_8, Hermia_11, HermioneGrange_10, Hidrated_46, Holli_8, Houdini22_8, Huxley_8, ICleared_8, Iceman_8, Iracema64_8, IronMan_11, Jaan_12, Jasper_10, Jaykayelowell_8, Jerm2_9, Jerm_11, JetBlade_8, JoongJeon_8, JoshKayV_11, Junimo_7, KFPoly_8, Kampy_8, Katalie136_8, KekoraPapaka_7, Kenmech_11, KikiBouba_11, KingCyrus_11, Kingmustik0402_8, Koan_8, Koreni_7, Kratark_8, Kremtemulon_8, Kyee_8, LHTSCC_8, Landor_10, LappelDuVide_8, Lemur_8, LeoAvram_8, Leogania_11, Leviathan_11, Licorice_11, LilBib_9, LilTurb_11, LittleB_8, LittleGuy_8, LochMonster_8, Lockley_9, Lokk_12, Lopton_10, Lorenzo_8, Lucky2013_47, Lunsford_9, MPlant7149_8, Manatee_9, Marleymoo_49, Marsha_9, MaryBeth_9, Maverick_8, Maxo_8, Mayonnaise_8, Mazhar510_8, Medusa_8, MeeZee_8, Melvin_8, MetalQZJ_9, MiaZeal_47, Miko_12, MilleFeuille_8, Millski_8, Miramae_8, Morpher26_8, Morrow_8, Mundrea_8, MyraDee_7, Nebs_8, Nemo27_8, Nhonho_9, Niza_10, Noelle_8, NorthStar_8, Northrop_8, Norz_10, NotAPhaseMom_8, NothingSpecial_11, Noxious_11, Nyxis_8, OKaNui_8, Ohfah_8, PP_18, Palestino_8, Papez_10, Paraselene_8, PattyP_10, Peaches_8, Perplexer_8, PeterPeter_8, PetiteSangsue_8, Phacado_8, Phaded_12, Phelipe_8, Phighter1804_8, Phontbonne_8, Pipcraft_8, Polymorphads_8, Porcelain_46, PowerRanger_9, ProMouse_10, Pukovnik_11, Pumbaa_8, Rachaly_12, Raid_9, Rearden_42, Relief_8, RidgeCB_9, RockieBear_8, Rocksand_8, Rohr_10, Romney_8, Roosevelt_8, Rosa24_7, Ruin_8, Sabertooth_8, Scamp_8, SenorClean_8, Shaka_8, SheldonCooper_8, Shygu2_8, Skadoosh_8, Skipitt_8, Smeagan_11, Sparxx_8, Spino_8, Squint_46, Stasia_9, SteMason_8, Stink_8,

Sultana_8, Sumter_8, Superphikiman_47, Taquarus_8, TarsusIV_9, Thanksgivukkah_8, TheloniousMonk_10, Thibault_41, Timshel_9, TinaFeyge_8, TiroTheta9_8, Treddle_10, Tristan_10, Trooper_9, TroyPia_8, Turbido_11, TygerBlood_8, Ulysses_7, Wander_8, Whabigail7_11, Wilbur_8, Wile_8, Wizard007_8, Xena_8, XianYue_9, YoSam321_8, Zephyr_9,

Genes that have the "Most Annotated" start but do not call it:
• Alsfro_13, Monet_10, Obama12_8, SpikeBT_10, Tinybot_7,

Genes that do not have the "Most Annotated" start:
• 39HC_040, 40BC_040, A6_07, AFIS_9, Abbyshoes_10, Abrogate_100, Acme_10, Adahisdi_10, Aeneas_10, Agaliana_9, Ajay_9, Allegro_47, Altman_10, Alvin_10, Aminay_29, Anglerfish_9, Applejack_9, Arbiter_46, Arcanine_9, Ares_47, Arlo_8, Ashballer_7, Avocado_26, BK1_07, BPBiebs31_10, Bananafish_47, BarrowTuph_8, Beatrix_8, BeesKnees_9, Bellis_26, Bethlehem_9, Bexan_8, Big3_9, BigPaolini_10, Bigchungi_8, Bigfoot_8, BillKnuckles_10, Bircsak_9, BirdsNest_49, Blackflame_8, BlessJoy_13, Blocker23_47, BluSpix_9, Blue7_13, Bob3_8, Bones_9, BourbonZero_25, Boyle_47, Briton15_10, Brownie5_47, Burton_9, Bxb1_8, CactusRose_8, Calamitous_47, Cambiare_27, Candle_35, Chanagan_8, ChristmasHams_9, Clautastrophe_26, Coffee_47, ConceptII_9, Crispicous1_8, Cueylyss_9, DD5_10, DarthPhader_11, DeerParkTS_10, Dexes_10, Doom_9, DrFeelGood_8, Drake94_8, Dreamboat_10, Dulcie_8, DuncansLeg_26, Dussy_10, Dynamix_9, Eaglehorse_47, Ellson_26, EnzoK_10, Espresso_9, Eyeball_9, Fascinus_8, Faze9_46, Fenn_9, Finnry_26, FlagStaff_26, ForDig_40, Forsytheast_8, Francis47_9, FrenchFry_47, Froghopper_10, Funsized_50, Fushigi_9, GMonster_8, Gachnar_9, GageAP_10, Gimesa_36, Gladiator_13, Glass_47, GodSpeed_26, Godines_47, Gompeii16_9, Graduation_11, GrecoEtereo_10, Gruunaga_13, Gwendoluna_10, Gyzlar_10, Hami1_9, Hammer_13, HarryOW_10, Hashim76_49, Hedgerow_47, Herbertwm_8, Holeinone_47, Homines_9, Hope4ever_9, Hosp_038, ILeeKay_11, Ichabod_9, IgnatiusPatJac_8, Inyanga_8, Iqorha_8, ItsyBitsy1_47, JC27_10, JackSparrow_9, Jeffabunny_13, Jobypre_26, Jolie1_040, Jorgensen_9, Jubie_26, JuliaChild_11, KBG_10, KSSJEB_8, Kaleb_47, Kanely_10, KayaCho_40, Kheth_47, Killigrew_7, Kingsolomon_26, KirDoubleO7_24, KittenMittens_8, Knocker_48, Kolhan_47, Krypton555_26, Kugel_10, KyMonks1A_11, Kykar_7, Lamina13_9, Larenn_10, Lars_47, Laurie_46, Lephleur_47, Lesedi_8, Levia_8, LilMcDreamy_44, LilSmirk_47, Lilbunny_13, LittleMinkey_52, LiyuLake_26, LizLemon_47, Lolly9_26, Lucyedi_11, Lumos_26, LunarLander_9, Magnar_9, Magnito_8, Makemake_9, Malec_10, Marcell_9, Marchy_8, Marco3_9, Marge_9, Maroc7_8, MasterPo_47, McGuire_9, McSinger_10, Michley_9, MiniLon_26, MiniMac_26, Minnow_41, Mkhuseli_8, Molly_10, MontyDev_35, Moose_8, Moostard_26, MrGordo_9, Mryolo_8, MsGreen_26, Mule_8, Museum_10, NEHalo_9, Naira_9, Nerujay_10, Nicholas_26, Nilo_36, Ohno789_8, Oogway_8, Opia_47, PSullivan_11, Pace1224_26, PacerPaul_9, PainterBoy_11, Paphu_8, Papyrus_35, Pari_10, Parliament_8, PascalRango_8, Payneful_9, PeaceMeal1_8, Pelly_10, Pepe_10, Perseus_10, Peterson_11, Petp2012_11, Petruchio_9, Phantasmagoria_47, Pharaoh_10, PherrisBueller_10, PhineBark_7, Phlippers_8, PhrostyMug_8, PinkPlastic_7, Pinto_11, Pippin_10, Pita2_11, Poompha_8, PrinceCharming_47, Puppet_9, QTRlifeCrisis_9, Qyrzula_44, Rajelicia_8, Red305_26, Refuge_12, Rhinoforte_47, Rhynn_9, Rifter_13, Ringer_8, Rinkes_47, Riparian_35, Rope_35, Rosebush_46, Rubeus_9, Rufus_9, Ruotula_8, Rutherferd_10, STLscum_10, Sabella_46, Sagefire_10, Samty_26, Sandaddy_8, Sanya_9, SarFire_9, Scowl_10, Seabiscuit_10, Seanderson_10, Send513_35, Severus_8, ShortQueendom_8, Sibs6_10, SkiPole_11, Slagathor_9, Smairt_10,

Smeagol_10, Snazzy_7, Snenia_26, Solon_9, Sorpresa_9, Squee_9, Steamy_11, StewieG_8, StrongArm_8, Sunshine924_8, SwissCheese_9, Switzer_9, Swole_11, TA17A_48, Target_10, Tasp14_10, Teodoridan_7, Thor_9, Tinciduntsolum_48, ToneTone_12, Topgun_9, Tote_11, Traft412_11, Tres_47, TriFive_26, Trike_7, Tripl3t_10, Trouble_9, Turj99_8, TwoPeat_10, U2_8, Vic9_00046, Violet_8, Watermelon_11, Weiss13_35, West99_47, Wheeler_9, Whirlwind_27, Whitspit_10, Wiks_13, Wilkins_9, WunderPhul_13, Yelo_35, Yokurt_13, Zaka_13, Zeeculate_8, Zenon_36, Zenteno07_51, Zeuska_9, Zimmer_11, Zulu_13,

Summary by start number:

Start 19:
• Found in 23 of 573 (4.0%) of genes in pham
• Manual Annotations of this start: 3 of 535
• Called 13.0% of time when present
• Phage (with cluster) where this start called: Alsfro_13 (A1), Monet_10 (A1), SpikeBT_10 (A1),

Start 23:
• Found in 261 of 573 (45.5%) of genes in pham
• Manual Annotations of this start: 243 of 535
• Called 98.1% of time when present
• Phage (with cluster) where this start called: AbbyPaige_11 (A2), AbbysRanger_8 (A4), Abdiel_8 (A4), Achebe_8 (A4), Acolyte_9 (A2), Agape74_11 (A2), Albee_8 (A4), Alberto7_9 (A4), Aldrich_10 (A1), Annyong_8 (A4), Ariel_47 (J), Arturo_7 (A4), Atkinbua_9 (A1), AvatarAhPeg_8 (A4), Avle17_8 (A4), Baby16_8 (A4), BabyBack_11 (A2), Backyardigan_8 (A4), BaconJack_10 (A1), Bactobuster_10 (A2), Badger_8 (A4), BangNhom_7 (A4), Barriga_9 (A1), Bartimeaus_8 (A4), BellusTerra_8 (A4), BiancaTri92_11 (A2), BigMau_10 (A1), Blackmoor_8 (A4), Blesser_8 (A1), Blue_9 (A1), BobSwaget_12 (A2), Bobby_47 (J), Bombshell_8 (A4), Broseidon_8 (A4), Bruiser_8 (A4), Bruns_7 (A1), BubbleTrouble_8 (A4), Buckaroo_7 (A4), Bugsy_11 (A2), Bumblebee11_8 (A4), Burger_7 (A4), Buttons_10 (A1), Caelakin_8 (A4), Camperdownii_7 (A4), Carlyle_11 (A1), CartmannCramer_9 (A1), CatBus_10 (A1), CentreCat_8 (A4), Cerulean_8 (A4), ChampagnePapi_8 (A4), Chaph_8 (A4), ChipMunk_11 (A2), Ciao_9 (A1), Cici_8 (A4), Cindaradix_7 (A4), Cintron_8 (A4), Citius_8 (A4), Clarenza_8 (A4), Cocoaberry_8 (A4), Commander_8 (A4), Connomayer_8 (A4), Corvo_9 (A1), Courthouse_47 (J), Datway_8 (A4), Deano_8 (A4), Dhanush_8 (A4), Dignity_11 (A2), DirtDevil_10 (A1), DirtyDunning_8 (A4), DreamCatcher_10 (A1), DroogsArmy_9 (A7), Druantia_8 (A4), Eagle_7 (A4), Eapen_8 (A4), Edtherson_10 (A1), Eris_8 (A4), Eros_8 (A4), Euphoria_9 (A1), Eurydice_8 (A4), EvilGenius_11 (A2), Fajezeel_10 (A1), Florean_8 (A4), Flux_8 (A4), Funston_8 (A4), Gadost_8 (A4), Gandalf20_10 (A1), GaugeLDP_11 (A2), Gonephishing_49 (J), Greg_10 (A1), GroundGoblin_10 (A1), HINdeR_8 (A7), HamSlice_7 (A4), HanShotFirst_9 (A1), Happiness_8 (A4), Hermia_11 (A1), HermioneGrange_10 (A1), Hidrated_46 (J), Holli_8 (A4), Houdini22_8 (A4), Huxley_8 (A4), ICleared_8 (A4), Iceman_8 (A4), Iracema64_8 (A4), IronMan_11 (A2), Jaan_12 (A2), Jasper_10 (A1), Jaykayelowell_8 (A4), Jerm2_9 (A1), Jerm_11 (A2), JetBlade_8 (A4), JoongJeon_8 (A4), JoshKayV_11 (A2), Junimo_7 (A4), KFPoly_8 (A4), Kampy_8 (A4), Katalie136_8 (A4), KekoraPapaka_7 (A4), Kenmech_11 (A1), KikiBouba_11 (A1), KingCyrus_11 (A2), Kingmustik0402_8 (A4), Koan_8 (A4), Koreni_7 (A4), Kratark_8 (A4), Kremtemulon_8 (A4), Kyee_8 (A4), LHTSCC_8 (A4), Landor_10 (A2), LappelDuVide_8 (A4), Lemur_8 (A4), LeoAvram_8 (A4), Leogania_11 (A2), Leviathan_11 (A2), Licorice_11 (A1), LilBib_9 (A1), LilTurb_11

(A2), LittleB_8 (A4), LittleGuy_8 (A4), LochMonster_8 (A4), Lockley_9 (A1), Lokk_12 (A2), Lopton_10 (A1), Lorenzo_8 (A4), Lucky2013_47 (J), Lunsford_9 (A4), MPlant7149_8 (A1), Manatee_9 (A1), Marleymoo_49 (J), Marsha_9 (A1), MaryBeth_9 (A1), Maverick_8 (A4), Maxo_8 (A4), Mayonnaise_8 (A4), Mazhar510_8 (A4), Medusa_8 (A4), MeeZee_8 (A4), Melvin_8 (A4), MetalQZJ_9 (A1), MiaZeal_47 (J), Miko_12 (A2), MilleFeuille_8 (A1), Millski_8 (A4), Miramae_8 (A4), Morpher26_8 (A4), Morrow_8 (A4), Mundrea_8 (A4), MyraDee_7 (A18), Nebs_8 (A4), Nemo27_8 (A4), Nhonho_9 (A1), Niza_10 (A1), Noelle_8 (A4), NorthStar_8 (A4), Northrop_8 (A4), Norz_10 (A1), NotAPhaseMom_8 (A4), NothingSpecial_11 (A2), Noxious_11 (A1), Nyxis_8 (A4), OKaNui_8 (A4), Ohfah_8 (A4), PP_18 (A7), Palestino_8 (A4), Papez_10 (A1), Paraselene_8 (A1), PattyP_10 (A1), Peaches_8 (A4), Perplexer_8 (A4), PeterPeter_8 (A4), PetiteSangsue_8 (A4), Phacado_8 (A4), Phaded_12 (A2), Phelipe_8 (A4), Phighter1804_8 (A4), Phontbonne_8 (A4), Pipcraft_8 (A4), Polymorphads_8 (A4), Porcelain_46 (J), PowerRanger_9 (A1), ProMouse_10 (A1), Pukovnik_11 (A2), Pumbaa_8 (A4), Rachaly_12 (A2), Raid_9 (A1), Rearden_42 (J), Relief_8 (A4), RidgeCB_9 (A1), RockieBear_8 (A4), Rocksand_8 (A4), Rohr_10 (A1), Romney_8 (A4), Roosevelt_8 (A4), Rosa24_7 (A4), Ruin_8 (A4), Sabertooth_8 (A4), Scamp_8 (A4), SenorClean_8 (A4), Shaka_8 (A4), SheldonCooper_8 (A4), Shygu2_8 (A4), Skadoosh_8 (A4), Skipitt_8 (A4), Smeagan_11 (A2), Sparxx_8 (A4), Spino_8 (A4), Squint_46 (J), Stasia_9 (A4), SteMason_8 (A4), Stink_8 (A4), Sultana_8 (A4), Sumter_8 (A1), Superphikiman_47 (J), Taquarus_8 (A4), TarsusIV_9 (A2), Thanksgivukkah_8 (A4), TheloniousMonk_10 (A1), Thibault_41 (J), Timshel_9 (A7), TinaFeyge_8 (A4), TiroTheta9_8 (A4), Treddle_10 (A1), Tristan_10 (A2), Trooper_9 (A2), TroyPia_8 (A4), Turbido_11 (A2), TygerBlood_8 (A4), Ulysses_7 (A4), Wander_8 (A4), Whabigail7_11 (A2), Wilbur_8 (A4), Wile_8 (A4), Wizard007_8 (A4), Xena_8 (A4), XianYue_9 (A2), YoSam321_8 (A4), Zephyr_9 (A1),

Start 24:
• Found in 1 of 573 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 535
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_29 (K7),

Start 25:
• Found in 200 of 573 (34.9%) of genes in pham
• Manual Annotations of this start: 181 of 535
• Called 98.0% of time when present
• Phage (with cluster) where this start called: A6_07 (A1), AFIS_9 (A1), Abbyshoes_10 (A1), Abrogate_100 (A1), Acme_10 (A1), Adahisdi_10 (A1), Aeneas_10 (A1), Agaliana_9 (A1), Ajay_9 (A1), Altman_10 (A1), Alvin_10 (A1), Anglerfish_9 (A1), Applejack_9 (A1), Arcanine_9 (A1), Ashballer_7 (A1), BK1_07 (A1), BPBiebs31_10 (A1), BarrowTuph_8 (A1), Beatrix_8 (A1), BeesKnees_9 (A1), Bellis_26 (L3), Bethlehem_9 (A1), Bexan_8 (A1), Big3_9 (A1), BigPaolini_10 (A1), Bigchungi_8 (A1), Bigfoot_8 (A1), Bircsak_9 (A1), Blackflame_8 (A1), BluSpix_9 (A1), Bones_9 (A1), BourbonZero_25 (L3), Briton15_10 (A1), Burton_9 (A1), Bxb1_8 (A1), CactusRose_8 (A1), Chanagan_8 (A1), ChristmasHams_9 (A1), Clautastrophe_26 (L3), ConceptII_9 (A1), Crispicous1_8 (A1), Cueylyss_9 (A1), Dexes_10 (A1), Doom_9 (A1), DrFeelGood_8 (A1), Dreamboat_10 (A1), Dulcie_8 (A1), DuncansLeg_26 (L3), Dussy_10 (A1), Dynamix_9 (A1), Ellson_26 (L3), EnzoK_10 (A1), Espresso_9 (A1), Eyeball_9 (A1), Fascinus_8 (A1), Fenn_9 (A1), Finnry_26 (L3), Forsytheast_8 (A1), Francis47_9 (A1), Froghopper_10 (A1), Fushigi_9 (A1), GMonster_8 (A1), Gachnar_9 (A1), GageAP_10 (A1), Gompeii16_9 (A1), GrecoEtereo_10 (A1), Gyzlar_10 (A1), HarryOW_10 (A1), Homines_9 (A1),

Hope4ever_9 (A1), ILeeKay_11 (A1), Ichabod_9 (A1), IgnatiusPatJac_8 (A1), Inyanga_8 (A1), Iqorha_8 (A1), JC27_10 (A1), JackSparrow_9 (A1), Jobypre_26 (L3), Jorgensen_9 (A1), Jubie_26 (L3), JuliaChild_11 (A1), KSSJEB_8 (A1), Kanely_10 (A1), Killigrew_7 (A1), Kingsolomon_26 (L3), KirDoubleO7_24 (L3), Krypton555_26 (L3), Kugel_10 (A1), KyMonks1A_11 (A1), Kykar_7 (A1), Lamina13_9 (A1), Lesedi_8 (A1), Levia_8 (A1), LiyuLake_26 (L3), Lolly9_26 (L3), Lumos_26 (L3), LunarLander_9 (A1), Magnar_9 (A1), Magnito_8 (A1), Makemake_9 (A1), Marcell_9 (A1), Marchy_8 (A1), Marco3_9 (A1), Marge_9 (A1), Maroc7_8 (A1), McGuire_9 (A1), McSinger_10 (A1), Michley_9 (A1), MiniLon_26 (L3), MiniMac_26 (L3), Mkhuseli_8 (A1), Molly_10 (A1), Moose_8 (A1), Moostard_26 (L3), MrGordo_9 (A1), Mryolo_8 (A1), MsGreen_26 (L3), Mule_8 (A1), Museum_10 (A1), Naira_9 (A1), Nicholas_26 (L3), Ohno789_8 (A1), Oogway_8 (A1), PSullivan_11 (A1), PacerPaul_9 (A1), Paphu_8 (A1), Pari_10 (A1), Parliament_8 (A1), PascalRango_8 (A1), Payneful_9 (A1), Pelly_10 (A1), Pepe_10 (A1), Perseus_10 (A1), Peterson_11 (A1), Petp2012_11 (A1), Petruchio_9 (A1), PherrisBueller_10 (A1), PhineBark_7 (A1), Phlippers_8 (A1), PhrostyMug_8 (A1), PinkPlastic_7 (A1), Pinto_11 (A1), Pippin_10 (A1), Pita2_11 (A1), Puppet_9 (A1), Rajelicia_8 (A1), Red305_26 (L3), Rhynn_9 (A1), Ringer_8 (A1), Rubeus_9 (A1), Rufus_9 (A1), Ruotula_8 (A1), Rutherferd_10 (A1), STLscum_10 (A1), Sagefire_10 (A1), Samty_26 (L3), Sandaddy_8 (A1), Sanya_9 (A1), SarFire_9 (A1), Scowl_10 (A1), Seabiscuit_10 (A1), Seanderson_10 (A1), ShortQueendom_8 (A1), Sibs6_10 (A1), SkiPole_11 (A1), Slagathor_9 (A1), Smairt_10 (A1), Smeagol_10 (A1), Snazzy_7 (A1), Snenia_26 (L3), Sorpresa_9 (A1), StewieG_8 (A1), StrongArm_8 (A1), Sunshine924_8 (A1), SwissCheese_9 (A1), Switzer_9 (A1), Swole_11 (A1), Target_10 (A1), Tasp14_10 (A1), Teodoridan_7 (A1), Thor_9 (A1), Topgun_9 (A1), Tote_11 (A1), Traft412_11 (A1), TriFive_26 (L3), Tripl3t_10 (A1), Trouble_9 (A1), Turj99_8 (A1), TwoPeat_10 (A1), U2_8 (A1), Violet_8 (A1), Watermelon_11 (A1), Wheeler_9 (A1), Whirlwind_27 (L3), Wilkins_9 (A1), Zeeculate_8 (A1),

Start 27:
• Found in 2 of 573 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 535
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_49 (B13), LilMcDreamy_44 (B12),

Start 28:
• Found in 3 of 573 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 535
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlagStaff_26 (G2), GodSpeed_26 (G2), Pace1224_26 (G2),

Start 29:
• Found in 86 of 573 (15.0%) of genes in pham
• Manual Annotations of this start: 45 of 535
• Called 55.8% of time when present
• Phage (with cluster) where this start called: 39HC_040 (B6), Arbiter_46 (B2), Avocado_26 (G2), Bananafish_47 (B2), BlessJoy_13 (A6), Blocker23_47 (B2), Blue7_13 (A6), Cambiare_27 (G2), DarthPhader_11 (A12), DeerParkTS_10 (A2), Drake94_8 (A10), ForDig_40 (B6), Funsized_50 (B9), Gladiator_13 (A6), Gruunaga_13 (A6), Hammer_13 (A6), Hashim76_49 (B13), Herbertwm_8 (A2), Hosp_038 (B6), Jeffabunny_13 (A6), KittenMittens_8 (A10), Knocker_48 (B9),

Larenn_10 (A2), Lilbunny_13 (A6), LittleMinkey_52 (B13), Lucyedi_11 (A16), Malec_10 (A2), Opia_47 (B2), PainterBoy_11 (A16), PeaceMeal1_8 (A10), Pharaoh_10 (A12), Poompha_8 (A10), PrinceCharming_47 (B2), Qyrzula_44 (B2), Refuge_12 (A12), Rifter_13 (A6), Rosebush_46 (B2), Severus_8 (A10), Steamy_11 (A12), TA17A_48 (B2), ToneTone_12 (A6), Trike_7 (A10), Wiks_13 (A6), WunderPhul_13 (A6), Yokurt_13 (A6), Zaka_13 (A6), Zenteno07_51 (B13), Zimmer_11 (A12),

Start 30:
• Found in 11 of 573 (1.9%) of genes in pham
• Manual Annotations of this start: 10 of 535
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillKnuckles_10 (A1), DD5_10 (A1), Graduation_11 (A1), Gwendoluna_10 (A1), KBG_10 (A1), Nerujay_10 (A1), QTRlifeCrisis_9 (A1), Solon_9 (A1), Squee_9 (A1), Whitspit_10 (A1), Zeuska_9 (A1),

Start 31:
• Found in 7 of 573 (1.2%) of genes in pham
• Manual Annotations of this start: 1 of 535
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Jolie1_040 (B6), KayaCho_40 (B6),

Start 32:
• Found in 60 of 573 (10.5%) of genes in pham
• Manual Annotations of this start: 40 of 535
• Called 71.7% of time when present
• Phage (with cluster) where this start called: 40BC_040 (B6), Allegro_47 (B2), Ares_47 (B2), Boyle_47 (B2), Brownie5_47 (B2), Calamitous_47 (B2), Candle_35 (R), Coffee_47 (B2), Eaglehorse_47 (B2), Faze9_46 (B2), FrenchFry_47 (B2), Gimesa_36 (R), Glass_47 (B2), Godines_47 (B2), Hedgerow_47 (B2), Holeinone_47 (B2), ItsyBitsy1_47 (B2), Kaleb_47 (B2), Kheth_47 (B2), Kolhan_47 (B2), Lars_47 (B2), Laurie_46 (B2), Lephleur_47 (B2), LilSmirk_47 (B2), LizLemon_47 (B2), MasterPo_47 (B2), MontyDev_35 (R), Nilo_36 (R), Papyrus_35 (R), Phantasmagoria_47 (B2), Rhinoforte_47 (B2), Rinkes_47 (B9), Riparian_35 (R), Rope_35 (R), Sabella_46 (B2), Send513_35 (R), Tinciduntsolum_48 (B2), Tres_47 (B2), Vic9_00046 (B2), Weiss13_35 (R), West99_47 (B2), Yelo_35 (R), Zenon_36 (R),

Start 33:
• Found in 33 of 573 (5.8%) of genes in pham
• Manual Annotations of this start: 1 of 535
• Called 6.1% of time when present
• Phage (with cluster) where this start called: Minnow_41 (B6), Zulu_13 (A6),

Start 35:
• Found in 214 of 573 (37.3%) of genes in pham
• Manual Annotations of this start: 4 of 535
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Arlo_8 (A1), Bob3_8 (A1), Hami1_9 (A1), NEHalo_9 (A1),

Start 41:
• Found in 24 of 573 (4.2%) of genes in pham
• Manual Annotations of this start: 2 of 535

• Called 8.3% of time when present
• Phage (with cluster) where this start called: Obama12_8 (A4), Tinybot_7 (A4),

Summary by clusters:

There are 19 clusters represented in this pham: A7, A16, A10, A12, G2, J, A18, B9, A1, B6, R, B13, A4, B2, A6, B12, K7, A2, L3,

Info for manual annotations of cluster A1:
•Start number 19 was manually annotated 3 times for cluster A1.
•Start number 23 was manually annotated 52 times for cluster A1.
•Start number 25 was manually annotated 162 times for cluster A1.
•Start number 30 was manually annotated 10 times for cluster A1.
•Start number 35 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 29 was manually annotated 6 times for cluster A10.

Info for manual annotations of cluster A12:
•Start number 29 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A16:
•Start number 29 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 23 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:
•Start number 23 was manually annotated 34 times for cluster A2.
•Start number 29 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster A4:
•Start number 23 was manually annotated 142 times for cluster A4.
•Start number 41 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A6:
•Start number 29 was manually annotated 13 times for cluster A6.
•Start number 33 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster A7:
•Start number 23 was manually annotated 4 times for cluster A7.

Info for manual annotations of cluster B12:
•Start number 27 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 27 was manually annotated 1 time for cluster B13.
•Start number 29 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 29 was manually annotated 8 times for cluster B2.
•Start number 32 was manually annotated 29 times for cluster B2.

Info for manual annotations of cluster B6:
•Start number 29 was manually annotated 1 time for cluster B6.
•Start number 31 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:
•Start number 29 was manually annotated 2 times for cluster B9.
•Start number 32 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster G2:
•Start number 28 was manually annotated 2 times for cluster G2.
•Start number 29 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster J:
•Start number 23 was manually annotated 10 times for cluster J.

Info for manual annotations of cluster K7:
•Start number 24 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster L3:
•Start number 25 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster R:
•Start number 32 was manually annotated 10 times for cluster R.

Gene Information:

Gene: 39HC_040 Start: 38368, Stop: 39846, Start Num: 29
Candidate Starts for 39HC_040:
(16, 38329), (Start: 29 @38368 has 45 MA's), (Start: 31 @38374 has 1 MA's), (Start: 32 @38380 has 40 MA's), (52, 38491), (57, 38533), (58, 38536), (72, 38680), (80, 38710), (83, 38740), (86, 38782), (87, 38794), (91, 38836), (107, 38980), (119, 39022), (131, 39079), (134, 39106), (135, 39121), (146, 39226), (156, 39313), (161, 39334), (167, 39373), (174, 39412), (191, 39460), (209, 39571), (232, 39625), (237, 39637), (239, 39640), (277, 39760),

Gene: 40BC_040 Start: 38380, Stop: 39846, Start Num: 32
Candidate Starts for 40BC_040:
(16, 38329), (Start: 29 @38368 has 45 MA's), (Start: 31 @38374 has 1 MA's), (Start: 32 @38380 has 40 MA's), (52, 38491), (57, 38533), (58, 38536), (72, 38680), (80, 38710), (83, 38740), (86, 38782), (87, 38794), (91, 38836), (107, 38980), (119, 39022), (131, 39079), (134, 39106), (135, 39121), (146, 39226), (156, 39313), (161, 39334), (167, 39373), (174, 39412), (191, 39460), (209, 39571), (232, 39625), (237, 39637), (239, 39640), (277, 39760),

Gene: A6_07 Start: 4170, Stop: 5603, Start Num: 25
Candidate Starts for A6_07:
(Start: 25 @4170 has 181 MA's), (Start: 35 @4218 has 4 MA's), (64, 4422), (83, 4524), (85, 4527), (86, 4566), (134, 4821), (154, 4980), (162, 5007), (205, 5238), (220, 5271), (278, 5421), (293, 5463), (306, 5514),

Gene: AFIS_9 Start: 4528, Stop: 5940, Start Num: 25
Candidate Starts for AFIS_9:

(Start: 25 @4528 has 181 MA's), (Start: 35 @4576 has 4 MA's), (64, 4780), (80, 4852), (85, 4885), (86, 4924), (134, 5158), (154, 5317), (162, 5344), (205, 5575), (220, 5608), (278, 5758), (293, 5800), (306, 5851),

Gene: AbbyPaige_11 Start: 5117, Stop: 6439, Start Num: 23
Candidate Starts for AbbyPaige_11:
(Start: 23 @5117 has 243 MA's), (44, 5201), (47, 5219), (57, 5294), (75, 5435), (86, 5528), (87, 5540), (91, 5588), (122, 5684), (139, 5756), (148, 5804), (197, 6023), (205, 6056), (231, 6110), (248, 6161), (262, 6206), (268, 6224), (285, 6287), (305, 6374),

Gene: AbbysRanger_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for AbbysRanger_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (285, 5280), (305, 5367),

Gene: Abbyshoes_10 Start: 4617, Stop: 6029, Start Num: 25
Candidate Starts for Abbyshoes_10:
(Start: 25 @4617 has 181 MA's), (Start: 35 @4665 has 4 MA's), (64, 4869), (80, 4941), (85, 4974), (86, 5013), (134, 5247), (154, 5406), (162, 5433), (205, 5664), (220, 5697), (278, 5847), (293, 5889), (306, 5940),

Gene: Abdiel_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Abdiel_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235), (305, 5352),

Gene: Abrogate_100 Start: 5252, Stop: 6685, Start Num: 25
Candidate Starts for Abrogate_100:
(Start: 25 @5252 has 181 MA's), (Start: 35 @5300 has 4 MA's), (64, 5504), (83, 5606), (85, 5609), (86, 5648), (134, 5903), (154, 6062), (162, 6089), (205, 6320), (220, 6353), (278, 6503), (293, 6545), (306, 6596),

Gene: Achebe_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for Achebe_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (280, 5262), (285, 5280), (300, 5346), (305, 5367),

Gene: Acme_10 Start: 4441, Stop: 5874, Start Num: 25
Candidate Starts for Acme_10:
(Start: 25 @4441 has 181 MA's), (Start: 35 @4489 has 4 MA's), (64, 4693), (83, 4795), (85, 4798), (86, 4837), (134, 5092), (154, 5251), (162, 5278), (205, 5509), (220, 5542), (278, 5692), (293, 5734), (306, 5785),

Gene: Acolyte_9 Start: 4629, Stop: 6059, Start Num: 23
Candidate Starts for Acolyte_9:
(Start: 23 @4629 has 243 MA's), (34, 4680), (52, 4767), (86, 5028), (87, 5040), (100, 5139), (110, 5169), (133, 5253), (134, 5268), (137, 5298), (140, 5313), (151, 5415), (156, 5472), (164, 5511), (170, 5541), (178, 5571), (184, 5592), (195, 5679), (205, 5721), (275, 5895), (297, 5952), (299, 5964),

Gene: Adahisdi_10 Start: 4835, Stop: 6268, Start Num: 25

Candidate Starts for Adahisdi_10:
(Start: 25 @4835 has 181 MA's), (Start: 35 @4883 has 4 MA's), (64, 5087), (83, 5189), (85, 5192), (86, 5231), (134, 5486), (154, 5645), (162, 5672), (205, 5903), (220, 5936), (278, 6086), (293, 6128), (306, 6179),

Gene: Aeneas_10 Start: 4720, Stop: 6147, Start Num: 25
Candidate Starts for Aeneas_10:
(Start: 25 @4720 has 181 MA's), (Start: 35 @4768 has 4 MA's), (64, 4972), (83, 5074), (85, 5077), (86, 5116), (100, 5248), (134, 5371), (154, 5530), (162, 5557), (205, 5788), (220, 5821), (261, 5917), (278, 5971), (293, 6013), (306, 6064),

Gene: Agaliana_9 Start: 4644, Stop: 6077, Start Num: 25
Candidate Starts for Agaliana_9:
(Start: 25 @4644 has 181 MA's), (Start: 35 @4692 has 4 MA's), (64, 4896), (83, 4998), (85, 5001), (86, 5040), (134, 5295), (154, 5454), (162, 5481), (205, 5712), (278, 5895), (293, 5937), (306, 5988),

Gene: Agape74_11 Start: 5117, Stop: 6439, Start Num: 23
Candidate Starts for Agape74_11:
(Start: 23 @5117 has 243 MA's), (44, 5201), (47, 5219), (57, 5294), (75, 5435), (86, 5528), (87, 5540), (91, 5588), (122, 5684), (139, 5756), (148, 5804), (197, 6023), (205, 6056), (231, 6110), (248, 6161), (262, 6206), (268, 6224), (285, 6287), (305, 6374),

Gene: Ajay_9 Start: 4661, Stop: 6073, Start Num: 25
Candidate Starts for Ajay_9:
(Start: 25 @4661 has 181 MA's), (Start: 35 @4709 has 4 MA's), (64, 4913), (80, 4985), (85, 5018), (86, 5057), (134, 5291), (154, 5450), (162, 5477), (205, 5708), (220, 5741), (278, 5891), (293, 5933), (306, 5984),

Gene: Albee_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Albee_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Alberto7_9 Start: 4223, Stop: 5728, Start Num: 23
Candidate Starts for Alberto7_9:
(Start: 23 @4223 has 243 MA's), (Start: 41 @4301 has 2 MA's), (52, 4358), (64, 4475), (82, 4577), (83, 4595), (86, 4634), (87, 4646), (134, 4895), (143, 4964), (158, 5078), (160, 5081), (185, 5213), (187, 5219), (205, 5339), (230, 5393), (248, 5444), (268, 5507), (274, 5540),

Gene: Aldrich_10 Start: 5166, Stop: 6587, Start Num: 23
Candidate Starts for Aldrich_10:
(15, 5130), (Start: 19 @5139 has 3 MA's), (Start: 23 @5166 has 243 MA's), (64, 5445), (73, 5487), (86, 5580), (100, 5682), (134, 5805), (154, 5964), (162, 5991), (205, 6222), (220, 6255), (278, 6405), (293, 6447), (306, 6498),

Gene: Allegro_47 Start: 40811, Stop: 42310, Start Num: 32
Candidate Starts for Allegro_47:
(Start: 29 @40799 has 45 MA's), (Start: 32 @40811 has 40 MA's), (52, 40922), (62, 41018), (72, 41123), (80, 41153), (85, 41198), (86, 41237), (87, 41249), (99, 41375), (102, 41384), (103, 41390), (107, 41408), (111, 41420), (113, 41423), (117, 41435), (119, 41441), (133, 41507), (146, 41639), (152, 41696), (156, 41726), (161, 41747), (170, 41795), (175, 41825), (186, 41855), (188, 41861), (194, 41927), (209, 41984), (233, 42041), (240, 42059), (241, 42062), (266, 42134), (268, 42143),

(270, 42152), (296, 42236),

Gene: Alsfro_13 Start: 5368, Stop: 6816, Start Num: 19
Candidate Starts for Alsfro_13:
(Start: 19 @5368 has 3 MA's), (Start: 23 @5395 has 243 MA's), (64, 5674), (73, 5716), (86, 5809), (100, 5911), (134, 6034), (162, 6220), (205, 6451), (220, 6484), (261, 6580), (278, 6634), (293, 6676), (306, 6727),

Gene: Altman_10 Start: 5178, Stop: 6611, Start Num: 25
Candidate Starts for Altman_10:
(Start: 25 @5178 has 181 MA's), (Start: 35 @5226 has 4 MA's), (64, 5430), (83, 5532), (85, 5535), (86, 5574), (134, 5829), (154, 5988), (162, 6015), (205, 6246), (220, 6279), (278, 6429), (293, 6471), (306, 6522),

Gene: Alvin_10 Start: 4872, Stop: 6284, Start Num: 25
Candidate Starts for Alvin_10:
(Start: 25 @4872 has 181 MA's), (Start: 35 @4920 has 4 MA's), (64, 5124), (80, 5196), (85, 5229), (86, 5268), (134, 5502), (154, 5661), (162, 5688), (205, 5919), (220, 5952), (261, 6048), (278, 6102), (293, 6144), (306, 6195),

Gene: Aminay_29 Start: 25652, Stop: 27349, Start Num: 24
Candidate Starts for Aminay_29:
(12, 25574), (18, 25619), (Start: 24 @25652 has 1 MA's), (Start: 35 @25703 has 4 MA's), (43, 25736), (46, 25751), (57, 25832), (65, 25913), (70, 25940), (85, 26009), (86, 26048), (87, 26060), (91, 26099), (106, 26204), (108, 26210), (134, 26318), (188, 26630), (210, 26762), (214, 26771), (273, 26918), (298, 26990), (313, 27089), (316, 27113),

Gene: Anglerfish_9 Start: 4212, Stop: 5645, Start Num: 25
Candidate Starts for Anglerfish_9:
(Start: 25 @4212 has 181 MA's), (Start: 35 @4260 has 4 MA's), (64, 4464), (83, 4566), (85, 4569), (86, 4608), (134, 4863), (154, 5022), (162, 5049), (205, 5280), (220, 5313), (278, 5463), (293, 5505), (306, 5556),

Gene: Annyong_8 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for Annyong_8:
(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (82, 4276), (83, 4294), (86, 4333), (87, 4345), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Applejack_9 Start: 4578, Stop: 6011, Start Num: 25
Candidate Starts for Applejack_9:
(Start: 25 @4578 has 181 MA's), (Start: 35 @4626 has 4 MA's), (64, 4830), (83, 4932), (85, 4935), (86, 4974), (100, 5106), (134, 5229), (154, 5388), (162, 5415), (205, 5646), (220, 5679), (278, 5829), (293, 5871), (306, 5922),

Gene: Arbiter_46 Start: 40873, Stop: 42384, Start Num: 29
Candidate Starts for Arbiter_46:
(Start: 29 @40873 has 45 MA's), (Start: 32 @40885 has 40 MA's), (52, 40996), (62, 41092), (72, 41197), (80, 41227), (85, 41272), (86, 41311), (87, 41323), (99, 41449), (102, 41458), (103, 41464), (107, 41482), (111, 41494), (113, 41497), (117, 41509), (119, 41515), (133, 41581), (146, 41713), (152, 41770), (156, 41800), (161, 41821), (170, 41869), (175, 41899), (186, 41929), (188, 41935), (194, 42001), (209, 42058), (233, 42115), (240, 42133), (241, 42136), (266, 42208), (268, 42217), (270, 42226), (296, 42310),

Gene: Arcanine_9 Start: 4178, Stop: 5611, Start Num: 25
Candidate Starts for Arcanine_9:
(Start: 25 @4178 has 181 MA's), (Start: 35 @4226 has 4 MA's), (47, 4280), (64, 4430), (83, 4532), (85, 4535), (86, 4574), (134, 4829), (154, 4988), (205, 5246), (220, 5279), (261, 5375), (278, 5429), (293, 5471), (306, 5522),

Gene: Ares_47 Start: 40869, Stop: 42368, Start Num: 32
Candidate Starts for Ares_47:
(Start: 29 @40857 has 45 MA's), (Start: 32 @40869 has 40 MA's), (52, 40980), (62, 41076), (72, 41181), (80, 41211), (82, 41223), (85, 41256), (86, 41295), (87, 41307), (99, 41433), (102, 41442), (103, 41448), (107, 41466), (111, 41478), (113, 41481), (117, 41493), (119, 41499), (133, 41565), (146, 41697), (152, 41754), (156, 41784), (161, 41805), (170, 41853), (175, 41883), (186, 41913), (188, 41919), (194, 41985), (209, 42042), (233, 42099), (240, 42117), (241, 42120), (266, 42192), (268, 42201), (270, 42210), (296, 42294),

Gene: Ariel_47 Start: 37294, Stop: 38682, Start Num: 23
Candidate Starts for Ariel_47:
(Start: 23 @37294 has 243 MA's), (Start: 35 @37345 has 4 MA's), (46, 37393), (62, 37516), (64, 37549), (70, 37582), (85, 37654), (86, 37693), (122, 37891), (124, 37903), (133, 37939), (134, 37954), (156, 38116), (162, 38140), (176, 38227), (205, 38407), (214, 38428), (272, 38560), (273, 38563), (278, 38578), (279, 38581), (303, 38647),

Gene: Arlo_8 Start: 4251, Stop: 5636, Start Num: 35
Candidate Starts for Arlo_8:
(Start: 25 @4203 has 181 MA's), (Start: 35 @4251 has 4 MA's), (47, 4305), (64, 4455), (83, 4557), (85, 4560), (86, 4599), (134, 4854), (154, 5013), (162, 5040), (180, 5127), (205, 5271), (220, 5304), (261, 5400), (278, 5454), (293, 5496), (306, 5547),

Gene: Arturo_7 Start: 4029, Stop: 5534, Start Num: 23
Candidate Starts for Arturo_7:
(13, 3966), (Start: 23 @4029 has 243 MA's), (47, 4131), (64, 4281), (86, 4440), (87, 4452), (134, 4701), (143, 4770), (156, 4872), (158, 4884), (160, 4887), (171, 4956), (185, 5019), (187, 5025), (205, 5145), (230, 5199), (248, 5250), (268, 5313), (274, 5346),

Gene: Ashballer_7 Start: 4081, Stop: 5514, Start Num: 25
Candidate Starts for Ashballer_7:
(Start: 25 @4081 has 181 MA's), (Start: 35 @4129 has 4 MA's), (64, 4333), (85, 4438), (86, 4477), (134, 4732), (154, 4891), (162, 4918), (205, 5149), (220, 5182), (261, 5278), (278, 5332), (293, 5374), (306, 5425),

Gene: Atkinbua_9 Start: 4235, Stop: 5656, Start Num: 23
Candidate Starts for Atkinbua_9:
(Start: 23 @4235 has 243 MA's), (64, 4514), (73, 4556), (86, 4649), (100, 4751), (134, 4874), (154, 5033), (162, 5060), (205, 5291), (220, 5324), (261, 5420), (278, 5474), (293, 5516), (304, 5552), (306, 5567),

Gene: AvatarAhPeg_8 Start: 3924, Stop: 5396, Start Num: 23
Candidate Starts for AvatarAhPeg_8:
(Start: 23 @3924 has 243 MA's), (64, 4176), (85, 4299), (86, 4335), (87, 4347), (134, 4593), (143, 4662), (156, 4764), (158, 4776), (160, 4779), (185, 4911), (195, 4992), (198, 5004), (205, 5034), (216, 5058), (235, 5097), (268, 5196), (280, 5241), (286, 5262),

Gene: Avle17_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Avle17_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Avocado_26 Start: 25496, Stop: 26851, Start Num: 29
Candidate Starts for Avocado_26:
(4, 24929), (5, 24959), (10, 25268), (Start: 29 @25496 has 45 MA's), (48, 25598), (49, 25601), (50, 25619), (62, 25709), (77, 25802), (81, 25820), (85, 25844), (86, 25883), (105, 26060), (107, 26072), (119, 26102), (129, 26147), (134, 26183), (135, 26198), (150, 26285), (156, 26345), (160, 26360), (161, 26366), (179, 26456), (205, 26627), (223, 26666), (238, 26699),

Gene: BK1_07 Start: 4170, Stop: 5603, Start Num: 25
Candidate Starts for BK1_07:
(Start: 25 @4170 has 181 MA's), (Start: 35 @4218 has 4 MA's), (64, 4422), (83, 4524), (85, 4527), (86, 4566), (134, 4821), (154, 4980), (162, 5007), (205, 5238), (220, 5271), (278, 5421), (293, 5463), (306, 5514),

Gene: BPBiebs31_10 Start: 4842, Stop: 6275, Start Num: 25
Candidate Starts for BPBiebs31_10:
(Start: 25 @4842 has 181 MA's), (Start: 35 @4890 has 4 MA's), (47, 4944), (64, 5094), (83, 5196), (85, 5199), (86, 5238), (134, 5493), (154, 5652), (162, 5679), (205, 5910), (220, 5943), (261, 6039), (278, 6093), (293, 6135), (306, 6186),

Gene: Baby16_8 Start: 3930, Stop: 5432, Start Num: 23
Candidate Starts for Baby16_8:
(Start: 23 @3930 has 243 MA's), (52, 4065), (64, 4182), (82, 4284), (83, 4302), (86, 4341), (87, 4353), (106, 4491), (128, 4560), (134, 4599), (158, 4782), (160, 4785), (185, 4917), (187, 4923), (205, 5043), (230, 5097), (248, 5148), (268, 5211), (274, 5244),

Gene: BabyBack_11 Start: 6139, Stop: 7644, Start Num: 23
Candidate Starts for BabyBack_11:
(Start: 23 @6139 has 243 MA's), (52, 6274), (64, 6391), (83, 6511), (86, 6550), (87, 6562), (106, 6697), (134, 6805), (158, 6988), (185, 7123), (205, 7249), (225, 7294), (230, 7303), (248, 7354), (285, 7480), (309, 7582),

Gene: Backyardigan_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for Backyardigan_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (280, 5262), (285, 5280), (300, 5346), (305, 5367),

Gene: BaconJack_10 Start: 4436, Stop: 5854, Start Num: 23
Candidate Starts for BaconJack_10:
(Start: 23 @4436 has 243 MA's), (64, 4715), (73, 4757), (86, 4850), (100, 4952), (134, 5075), (154, 5234), (162, 5261), (205, 5492), (220, 5525), (261, 5621), (278, 5675), (293, 5717), (306, 5768),

Gene: Bactobuster_10 Start: 6206, Stop: 7714, Start Num: 23
Candidate Starts for Bactobuster_10:
(13, 6143), (Start: 23 @6206 has 243 MA's), (52, 6341), (83, 6578), (86, 6617), (87, 6629), (128, 6845), (134, 6884), (143, 6953), (158, 7067), (160, 7070), (185, 7202), (205, 7328), (225, 7373), (230, 7382), (248, 7433), (260, 7475), (285, 7559), (305, 7649),

Gene: Badger_8 Start: 3937, Stop: 5433, Start Num: 23
Candidate Starts for Badger_8:
(Start: 23 @3937 has 243 MA's), (52, 4072), (57, 4114), (64, 4189), (82, 4291), (83, 4309), (86, 4348), (87, 4360), (134, 4609), (158, 4792), (160, 4795), (185, 4927), (186, 4930), (187, 4933), (195, 5008), (205, 5050), (248, 5155), (264, 5203), (280, 5263), (285, 5281), (300, 5347), (305, 5368),

Gene: Bananafish_47 Start: 40793, Stop: 42304, Start Num: 29
Candidate Starts for Bananafish_47:
(Start: 29 @40793 has 45 MA's), (Start: 32 @40805 has 40 MA's), (52, 40916), (62, 41012), (72, 41117), (80, 41147), (85, 41192), (86, 41231), (87, 41243), (99, 41369), (102, 41378), (103, 41384), (107, 41402), (111, 41414), (113, 41417), (117, 41429), (119, 41435), (133, 41501), (146, 41633), (152, 41690), (156, 41720), (161, 41741), (170, 41789), (175, 41819), (186, 41849), (188, 41855), (194, 41921), (209, 41978), (233, 42035), (240, 42053), (241, 42056), (266, 42128), (268, 42137), (270, 42146), (296, 42230),

Gene: BangNhom_7 Start: 3928, Stop: 5409, Start Num: 23
Candidate Starts for BangNhom_7:
(Start: 23 @3928 has 243 MA's), (Start: 41 @4006 has 2 MA's), (64, 4186), (86, 4345), (87, 4357), (134, 4606), (143, 4675), (158, 4789), (160, 4792), (171, 4861), (185, 4924), (205, 5047), (216, 5071), (268, 5209), (288, 5281), (297, 5302), (301, 5320),

Gene: Barriga_9 Start: 4458, Stop: 5879, Start Num: 23
Candidate Starts for Barriga_9:
(Start: 23 @4458 has 243 MA's), (64, 4737), (73, 4779), (86, 4872), (100, 4974), (134, 5097), (154, 5256), (162, 5283), (205, 5514), (220, 5547), (261, 5643), (278, 5697), (293, 5739), (306, 5790),

Gene: BarrowTuph_8 Start: 4514, Stop: 5926, Start Num: 25
Candidate Starts for BarrowTuph_8:
(Start: 25 @4514 has 181 MA's), (Start: 35 @4562 has 4 MA's), (64, 4766), (80, 4838), (85, 4871), (86, 4910), (134, 5144), (154, 5303), (162, 5330), (205, 5561), (220, 5594), (278, 5744), (293, 5786), (306, 5837),

Gene: Bartimeaus_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Bartimeaus_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Beatrix_8 Start: 4263, Stop: 5696, Start Num: 25
Candidate Starts for Beatrix_8:
(Start: 25 @4263 has 181 MA's), (Start: 35 @4311 has 4 MA's), (64, 4515), (80, 4587), (86, 4659), (134, 4914), (154, 5073), (205, 5331), (220, 5364), (261, 5460), (278, 5514), (293, 5556), (304, 5592), (306, 5607),

Gene: BeesKnees_9 Start: 4307, Stop: 5740, Start Num: 25
Candidate Starts for BeesKnees_9:
(Start: 25 @4307 has 181 MA's), (Start: 35 @4355 has 4 MA's), (47, 4409), (64, 4559), (83, 4661), (85, 4664), (86, 4703), (134, 4958), (154, 5117), (162, 5144), (180, 5231), (205, 5375), (220, 5408), (278, 5558), (293, 5600), (306, 5651),

Gene: Bellis_26 Start: 24965, Stop: 26437, Start Num: 25
Candidate Starts for Bellis_26:

(Start: 25 @24965 has 181 MA's), (Start: 35 @25013 has 4 MA's), (47, 25067), (51, 25097), (52, 25100), (57, 25142), (64, 25217), (86, 25361), (88, 25373), (134, 25601), (144, 25670), (160, 25787), (185, 25919), (187, 25925), (205, 26045), (220, 26078), (225, 26090), (248, 26150), (273, 26228), (310, 26393),

Gene: BellusTerra_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for BellusTerra_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Bethlehem_9 Start: 4849, Stop: 6282, Start Num: 25
Candidate Starts for Bethlehem_9:
(Start: 25 @4849 has 181 MA's), (Start: 35 @4897 has 4 MA's), (47, 4951), (64, 5101), (83, 5203), (85, 5206), (86, 5245), (134, 5500), (154, 5659), (162, 5686), (180, 5773), (205, 5917), (220, 5950), (261, 6046), (278, 6100), (293, 6142), (304, 6178), (306, 6193),

Gene: Bexan_8 Start: 4263, Stop: 5696, Start Num: 25
Candidate Starts for Bexan_8:
(Start: 25 @4263 has 181 MA's), (Start: 35 @4311 has 4 MA's), (64, 4515), (80, 4587), (86, 4659), (134, 4914), (154, 5073), (205, 5331), (220, 5364), (261, 5460), (278, 5514), (293, 5556), (304, 5592), (306, 5607),

Gene: BiancaTri92_11 Start: 6268, Stop: 7752, Start Num: 23
Candidate Starts for BiancaTri92_11:
(Start: 23 @6268 has 243 MA's), (46, 6370), (64, 6526), (74, 6586), (86, 6667), (87, 6679), (124, 6871), (134, 6922), (156, 7132), (161, 7153), (172, 7219), (188, 7270), (195, 7342), (198, 7354), (199, 7357), (205, 7390), (216, 7414), (226, 7438), (268, 7552), (270, 7561), (280, 7597), (301, 7663),

Gene: Big3_9 Start: 4206, Stop: 5639, Start Num: 25
Candidate Starts for Big3_9:
(Start: 25 @4206 has 181 MA's), (Start: 35 @4254 has 4 MA's), (64, 4458), (83, 4560), (85, 4563), (86, 4602), (134, 4857), (154, 5016), (162, 5043), (205, 5274), (220, 5307), (278, 5457), (293, 5499), (306, 5550),

Gene: BigMau_10 Start: 4320, Stop: 5741, Start Num: 23
Candidate Starts for BigMau_10:
(Start: 23 @4320 has 243 MA's), (64, 4599), (73, 4641), (86, 4734), (100, 4836), (134, 4959), (154, 5118), (162, 5145), (205, 5376), (220, 5409), (261, 5505), (278, 5559), (293, 5601), (306, 5652),

Gene: BigPaolini_10 Start: 5235, Stop: 6668, Start Num: 25
Candidate Starts for BigPaolini_10:
(Start: 25 @5235 has 181 MA's), (Start: 35 @5283 has 4 MA's), (64, 5487), (83, 5589), (85, 5592), (86, 5631), (134, 5886), (154, 6045), (162, 6072), (180, 6159), (205, 6303), (220, 6336), (261, 6432), (278, 6486), (293, 6528), (306, 6579),

Gene: Bigchungi_8 Start: 4103, Stop: 5530, Start Num: 25
Candidate Starts for Bigchungi_8:
(Start: 25 @4103 has 181 MA's), (Start: 35 @4151 has 4 MA's), (64, 4355), (80, 4427), (86, 4499), (134, 4754), (154, 4913), (162, 4940), (205, 5171), (220, 5204), (261, 5300), (278, 5354), (293, 5396), (306, 5447),

Gene: Bigfoot_8 Start: 4334, Stop: 5767, Start Num: 25

Candidate Starts for Bigfoot_8:
(Start: 25 @4334 has 181 MA's), (Start: 35 @4382 has 4 MA's), (64, 4586), (83, 4688), (85, 4691), (86, 4730), (134, 4985), (154, 5144), (162, 5171), (205, 5402), (220, 5435), (261, 5531), (278, 5585), (293, 5627), (306, 5678),

Gene: BillKnuckles_10 Start: 5290, Stop: 6684, Start Num: 30
Candidate Starts for BillKnuckles_10:
(20, 5248), (Start: 30 @5290 has 10 MA's), (46, 5368), (64, 5524), (85, 5629), (86, 5668), (134, 5902), (154, 6061), (205, 6319), (220, 6352), (261, 6448), (278, 6502), (293, 6544), (306, 6595),

Gene: Bircsak_9 Start: 4795, Stop: 6228, Start Num: 25
Candidate Starts for Bircsak_9:
(Start: 25 @4795 has 181 MA's), (Start: 35 @4843 has 4 MA's), (64, 5047), (83, 5149), (85, 5152), (86, 5191), (134, 5446), (154, 5605), (162, 5632), (205, 5863), (220, 5896), (278, 6046), (293, 6088), (306, 6139),

Gene: BirdsNest_49 Start: 39310, Stop: 40839, Start Num: 27
Candidate Starts for BirdsNest_49:
(2, 38461), (3, 38488), (7, 38860), (8, 38887), (9, 38944), (Start: 27 @39310 has 2 MA's), (Start: 29 @39316 has 45 MA's), (Start: 32 @39328 has 40 MA's), (52, 39439), (55, 39460), (67, 39601), (79, 39649), (80, 39658), (83, 39688), (86, 39730), (87, 39742), (134, 40045), (152, 40225), (170, 40324), (174, 40354), (209, 40516), (245, 40612), (252, 40633), (268, 40678), (279, 40717), (308, 40825),

Gene: Blackflame_8 Start: 4112, Stop: 5539, Start Num: 25
Candidate Starts for Blackflame_8:
(Start: 25 @4112 has 181 MA's), (Start: 35 @4160 has 4 MA's), (64, 4364), (80, 4436), (86, 4508), (134, 4763), (154, 4922), (162, 4949), (205, 5180), (220, 5213), (261, 5309), (278, 5363), (293, 5405), (306, 5456),

Gene: Blackmoor_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Blackmoor_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: BlessJoy_13 Start: 5832, Stop: 7046, Start Num: 29
Candidate Starts for BlessJoy_13:
(Start: 29 @5832 has 45 MA's), (Start: 33 @5850 has 1 MA's), (58, 6000), (66, 6111), (80, 6174), (86, 6258), (87, 6270), (91, 6303), (101, 6375), (107, 6393), (130, 6459), (136, 6507), (169, 6726), (181, 6753), (186, 6765), (188, 6771), (198, 6834), (267, 7017),

Gene: Blesser_8 Start: 4659, Stop: 6116, Start Num: 23
Candidate Starts for Blesser_8:
(Start: 19 @4632 has 3 MA's), (Start: 23 @4659 has 243 MA's), (59, 4857), (64, 4938), (73, 4980), (86, 5079), (90, 5091), (100, 5181), (134, 5304), (162, 5490), (174, 5565), (205, 5757), (220, 5790), (278, 5940), (293, 5982), (306, 6033),

Gene: Blocker23_47 Start: 40911, Stop: 42422, Start Num: 29
Candidate Starts for Blocker23_47:
(Start: 29 @40911 has 45 MA's), (Start: 32 @40923 has 40 MA's), (52, 41034), (62, 41130), (72, 41235), (80, 41265), (85, 41310), (86, 41349), (87, 41361), (99, 41487), (102, 41496), (103, 41502), (107, 41520), (111, 41532), (113, 41535), (117, 41547), (119, 41553), (133, 41619), (146, 41751), (152, 41808), (156, 41838), (161, 41859), (170, 41907), (175, 41937), (186, 41967), (188, 41973),

(194, 42039), (209, 42096), (233, 42153), (240, 42171), (241, 42174), (266, 42246), (268, 42255), (270, 42264), (296, 42348),

Gene: BluSpix_9 Start: 4594, Stop: 6027, Start Num: 25
Candidate Starts for BluSpix_9:
(Start: 25 @4594 has 181 MA's), (Start: 35 @4642 has 4 MA's), (64, 4846), (83, 4948), (85, 4951), (86, 4990), (100, 5122), (134, 5245), (154, 5404), (162, 5431), (205, 5662), (220, 5695), (278, 5845), (293, 5887), (306, 5938),

Gene: Blue_9 Start: 4713, Stop: 6134, Start Num: 23
Candidate Starts for Blue_9:
(Start: 23 @4713 has 243 MA's), (64, 4992), (73, 5034), (86, 5127), (100, 5229), (134, 5352), (154, 5511), (205, 5769), (220, 5802), (278, 5952), (293, 5994), (306, 6045),

Gene: Blue7_13 Start: 5825, Stop: 7039, Start Num: 29
Candidate Starts for Blue7_13:
(Start: 29 @5825 has 45 MA's), (Start: 33 @5843 has 1 MA's), (58, 5993), (66, 6104), (72, 6137), (80, 6167), (86, 6251), (87, 6263), (91, 6296), (101, 6368), (107, 6386), (130, 6452), (136, 6500), (169, 6719), (181, 6746), (186, 6758), (188, 6764), (198, 6827), (267, 7010),

Gene: Bob3_8 Start: 4198, Stop: 5583, Start Num: 35
Candidate Starts for Bob3_8:
(Start: 25 @4150 has 181 MA's), (Start: 35 @4198 has 4 MA's), (47, 4252), (64, 4402), (83, 4504), (85, 4507), (86, 4546), (134, 4801), (154, 4960), (162, 4987), (205, 5218), (220, 5251), (261, 5347), (278, 5401), (293, 5443), (306, 5494),

Gene: BobSwaget_12 Start: 6412, Stop: 7692, Start Num: 23
Candidate Starts for BobSwaget_12:
(Start: 23 @6412 has 243 MA's), (47, 6514), (69, 6697), (82, 6763), (86, 6805), (87, 6817), (91, 6865), (122, 6958), (127, 6964), (139, 7030), (197, 7297), (205, 7330), (217, 7354), (268, 7492), (270, 7501), (305, 7621),

Gene: Bobby_47 Start: 39633, Stop: 41009, Start Num: 23
Candidate Starts for Bobby_47:
(Start: 23 @39633 has 243 MA's), (Start: 35 @39684 has 4 MA's), (Start: 41 @39711 has 2 MA's), (46, 39732), (63, 39873), (64, 39888), (86, 40032), (91, 40095), (123, 40236), (134, 40290), (161, 40500), (166, 40527), (205, 40734), (214, 40755), (272, 40887), (278, 40905), (279, 40908), (291, 40935),

Gene: Bombshell_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Bombshell_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Bones_9 Start: 4345, Stop: 5778, Start Num: 25
Candidate Starts for Bones_9:
(Start: 25 @4345 has 181 MA's), (Start: 35 @4393 has 4 MA's), (64, 4597), (83, 4699), (85, 4702), (86, 4741), (100, 4873), (134, 4996), (154, 5155), (162, 5182), (205, 5413), (220, 5446), (278, 5596), (293, 5638), (304, 5674), (306, 5689),

Gene: BourbonZero_25 Start: 24922, Stop: 26394, Start Num: 25
Candidate Starts for BourbonZero_25:

(Start: 25 @24922 has 181 MA's), (Start: 35 @24970 has 4 MA's), (47, 25024), (51, 25054), (52, 25057), (64, 25174), (86, 25318), (88, 25330), (134, 25558), (144, 25627), (160, 25744), (185, 25876), (186, 25879), (187, 25882), (205, 26002), (220, 26035), (225, 26047), (248, 26107), (273, 26185), (310, 26350),

Gene: Boyle_47 Start: 40924, Stop: 42423, Start Num: 32
Candidate Starts for Boyle_47:
(Start: 29 @40912 has 45 MA's), (Start: 32 @40924 has 40 MA's), (52, 41035), (62, 41131), (72, 41236), (80, 41266), (85, 41311), (86, 41350), (87, 41362), (99, 41488), (102, 41497), (103, 41503), (107, 41521), (111, 41533), (113, 41536), (117, 41548), (119, 41554), (133, 41620), (146, 41752), (152, 41809), (156, 41839), (161, 41860), (170, 41908), (175, 41938), (186, 41968), (188, 41974), (194, 42040), (209, 42097), (233, 42154), (240, 42172), (241, 42175), (266, 42247), (268, 42256), (270, 42265), (296, 42349),

Gene: Briton15_10 Start: 4361, Stop: 5794, Start Num: 25
Candidate Starts for Briton15_10:
(Start: 25 @4361 has 181 MA's), (Start: 35 @4409 has 4 MA's), (47, 4463), (64, 4613), (83, 4715), (85, 4718), (86, 4757), (134, 5012), (154, 5171), (162, 5198), (180, 5285), (205, 5429), (220, 5462), (261, 5558), (278, 5612), (293, 5654), (304, 5690), (306, 5705),

Gene: Broseidon_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Broseidon_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Brownie5_47 Start: 40936, Stop: 42435, Start Num: 32
Candidate Starts for Brownie5_47:
(Start: 29 @40924 has 45 MA's), (Start: 32 @40936 has 40 MA's), (52, 41047), (62, 41143), (72, 41248), (80, 41278), (85, 41323), (86, 41362), (87, 41374), (99, 41500), (102, 41509), (103, 41515), (107, 41533), (111, 41545), (113, 41548), (117, 41560), (119, 41566), (133, 41632), (146, 41764), (152, 41821), (156, 41851), (161, 41872), (170, 41920), (175, 41950), (186, 41980), (188, 41986), (194, 42052), (209, 42109), (233, 42166), (240, 42184), (241, 42187), (266, 42259), (268, 42268), (270, 42277), (296, 42361),

Gene: Bruiser_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Bruiser_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Bruns_7 Start: 4023, Stop: 5444, Start Num: 23
Candidate Starts for Bruns_7:
(Start: 23 @4023 has 243 MA's), (64, 4302), (73, 4344), (86, 4437), (100, 4539), (134, 4662), (154, 4821), (162, 4848), (180, 4935), (205, 5079), (220, 5112), (261, 5208), (278, 5262), (293, 5304), (304, 5340), (306, 5355),

Gene: BubbleTrouble_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for BubbleTrouble_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Buckaroo_7 Start: 3925, Stop: 5427, Start Num: 23
Candidate Starts for Buckaroo_7:
(Start: 23 @3925 has 243 MA's), (52, 4060), (64, 4177), (83, 4297), (86, 4336), (87, 4348), (128, 4555), (134, 4594), (158, 4777), (160, 4780), (185, 4912), (187, 4918), (205, 5038), (230, 5092), (248, 5143), (268, 5206), (274, 5239),

Gene: Bugsy_11 Start: 5116, Stop: 6438, Start Num: 23
Candidate Starts for Bugsy_11:
(Start: 23 @5116 has 243 MA's), (44, 5200), (47, 5218), (57, 5293), (75, 5434), (86, 5527), (87, 5539), (91, 5587), (122, 5683), (139, 5755), (148, 5803), (197, 6022), (205, 6055), (231, 6109), (248, 6160), (262, 6205), (268, 6223), (285, 6286), (305, 6373),

Gene: Bumblebee11_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for Bumblebee11_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (285, 5280), (305, 5367),

Gene: Burger_7 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Burger_7:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (100, 4464), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Burton_9 Start: 4211, Stop: 5644, Start Num: 25
Candidate Starts for Burton_9:
(Start: 25 @4211 has 181 MA's), (Start: 35 @4259 has 4 MA's), (47, 4313), (64, 4463), (83, 4565), (85, 4568), (86, 4607), (134, 4862), (154, 5021), (162, 5048), (205, 5279), (220, 5312), (261, 5408), (278, 5462), (293, 5504), (306, 5555),

Gene: Buttons_10 Start: 4795, Stop: 6216, Start Num: 23
Candidate Starts for Buttons_10:
(15, 4759), (Start: 19 @4768 has 3 MA's), (Start: 23 @4795 has 243 MA's), (64, 5074), (73, 5116), (86, 5209), (100, 5311), (134, 5434), (154, 5593), (162, 5620), (205, 5851), (220, 5884), (278, 6034), (293, 6076), (306, 6127),

Gene: Bxb1_8 Start: 4620, Stop: 6053, Start Num: 25
Candidate Starts for Bxb1_8:
(Start: 25 @4620 has 181 MA's), (Start: 35 @4668 has 4 MA's), (64, 4872), (83, 4974), (85, 4977), (86, 5016), (134, 5271), (154, 5430), (205, 5688), (220, 5721), (278, 5871), (293, 5913), (306, 5964),

Gene: CactusRose_8 Start: 4333, Stop: 5766, Start Num: 25
Candidate Starts for CactusRose_8:
(Start: 25 @4333 has 181 MA's), (Start: 35 @4381 has 4 MA's), (64, 4585), (83, 4687), (85, 4690), (86, 4729), (134, 4984), (154, 5143), (162, 5170), (205, 5401), (220, 5434), (261, 5530), (278, 5584), (293, 5626), (306, 5677),

Gene: Caelakin_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Caelakin_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Calamitous_47 Start: 40810, Stop: 42309, Start Num: 32
Candidate Starts for Calamitous_47:
(Start: 29 @40798 has 45 MA's), (Start: 32 @40810 has 40 MA's), (52, 40921), (62, 41017), (72, 41122), (80, 41152), (85, 41197), (86, 41236), (87, 41248), (99, 41374), (102, 41383), (103, 41389), (107, 41407), (111, 41419), (113, 41422), (117, 41434), (119, 41440), (133, 41506), (146, 41638), (152, 41695), (156, 41725), (161, 41746), (170, 41794), (175, 41824), (186, 41854), (188, 41860), (194, 41926), (209, 41983), (233, 42040), (240, 42058), (241, 42061), (266, 42133), (268, 42142), (270, 42151), (296, 42235),

Gene: Cambiare_27 Start: 25961, Stop: 27316, Start Num: 29
Candidate Starts for Cambiare_27:
(4, 25394), (5, 25424), (Start: 29 @25961 has 45 MA's), (48, 26063), (49, 26066), (50, 26084), (62, 26174), (77, 26267), (81, 26285), (85, 26309), (86, 26348), (105, 26525), (107, 26537), (119, 26567), (129, 26612), (134, 26648), (135, 26663), (150, 26750), (156, 26810), (160, 26825), (161, 26831), (179, 26921), (205, 27092), (223, 27131), (238, 27164),

Gene: Camperdownii_7 Start: 3574, Stop: 5049, Start Num: 23
Candidate Starts for Camperdownii_7:
(Start: 23 @3574 has 243 MA's), (52, 3709), (64, 3826), (83, 3946), (86, 3985), (87, 3997), (134, 4246), (143, 4315), (158, 4429), (160, 4432), (185, 4564), (205, 4687), (216, 4711), (268, 4849), (288, 4921), (297, 4942), (301, 4960),

Gene: Candle_35 Start: 32594, Stop: 34063, Start Num: 32
Candidate Starts for Candle_35:
(Start: 32 @32594 has 40 MA's), (50, 32699), (62, 32801), (82, 32948), (83, 32966), (86, 33008), (87, 33020), (93, 33068), (109, 33164), (114, 33176), (116, 33185), (123, 33218), (134, 33272), (140, 33317), (156, 33476), (161, 33497), (162, 33500), (170, 33545), (174, 33575), (192, 33644), (193, 33659), (195, 33683), (205, 33728), (215, 33752), (247, 33839), (257, 33869), (276, 33932), (292, 33974),

Gene: Carlyle_11 Start: 5193, Stop: 6614, Start Num: 23
Candidate Starts for Carlyle_11:
(Start: 23 @5193 has 243 MA's), (64, 5472), (73, 5514), (86, 5607), (100, 5709), (134, 5832), (154, 5991), (162, 6018), (205, 6249), (220, 6282), (261, 6378), (278, 6432), (293, 6474), (306, 6525),

Gene: CartmannCramer_9 Start: 5123, Stop: 6544, Start Num: 23
Candidate Starts for CartmannCramer_9:
(15, 5087), (Start: 19 @5096 has 3 MA's), (Start: 23 @5123 has 243 MA's), (64, 5402), (73, 5444), (86, 5537), (100, 5639), (134, 5762), (154, 5921), (162, 5948), (205, 6179), (220, 6212), (278, 6362), (293, 6404), (306, 6455),

Gene: CatBus_10 Start: 5358, Stop: 6779, Start Num: 23
Candidate Starts for CatBus_10:
(15, 5322), (Start: 19 @5331 has 3 MA's), (Start: 23 @5358 has 243 MA's), (64, 5637), (73, 5679), (86, 5772), (100, 5874), (134, 5997), (154, 6156), (162, 6183), (205, 6414), (220, 6447), (278, 6597), (293, 6639), (306, 6690),

Gene: CentreCat_8 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for CentreCat_8:
(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (82, 4276), (83, 4294), (86, 4333), (87, 4345), (106, 4483), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Cerulean_8 Start: 3929, Stop: 5410, Start Num: 23
Candidate Starts for Cerulean_8:
(Start: 23 @3929 has 243 MA's), (Start: 41 @4007 has 2 MA's), (64, 4187), (86, 4346), (87, 4358), (134, 4607), (143, 4676), (158, 4790), (160, 4793), (171, 4862), (185, 4925), (205, 5048), (216, 5072), (268, 5210), (288, 5282), (297, 5303), (301, 5321),

Gene: ChampagnePapi_8 Start: 3928, Stop: 5409, Start Num: 23
Candidate Starts for ChampagnePapi_8:
(Start: 23 @3928 has 243 MA's), (Start: 41 @4006 has 2 MA's), (64, 4186), (86, 4345), (87, 4357), (134, 4606), (143, 4675), (158, 4789), (160, 4792), (171, 4861), (185, 4924), (205, 5047), (216, 5071), (268, 5209), (288, 5281), (297, 5302), (301, 5320),

Gene: Chanagan_8 Start: 4177, Stop: 5610, Start Num: 25
Candidate Starts for Chanagan_8:
(Start: 25 @4177 has 181 MA's), (Start: 35 @4225 has 4 MA's), (64, 4429), (83, 4531), (85, 4534), (86, 4573), (134, 4828), (154, 4987), (162, 5014), (205, 5245), (220, 5278), (278, 5428), (293, 5470), (306, 5521),

Gene: Chaph_8 Start: 3930, Stop: 5432, Start Num: 23
Candidate Starts for Chaph_8:
(Start: 23 @3930 has 243 MA's), (52, 4065), (64, 4182), (83, 4302), (86, 4341), (87, 4353), (128, 4560), (134, 4599), (158, 4782), (160, 4785), (185, 4917), (187, 4923), (205, 5043), (230, 5097), (248, 5148), (268, 5211), (274, 5244),

Gene: ChipMunk_11 Start: 5066, Stop: 6376, Start Num: 23
Candidate Starts for ChipMunk_11:
(Start: 23 @5066 has 243 MA's), (44, 5150), (47, 5168), (57, 5243), (69, 5351), (75, 5384), (86, 5477), (87, 5489), (91, 5537), (112, 5609), (122, 5621), (197, 5960), (205, 5993), (231, 6047), (248, 6098),

Gene: ChristmasHams_9 Start: 4644, Stop: 6077, Start Num: 25
Candidate Starts for ChristmasHams_9:
(Start: 25 @4644 has 181 MA's), (Start: 35 @4692 has 4 MA's), (64, 4896), (83, 4998), (85, 5001), (86, 5040), (134, 5295), (154, 5454), (162, 5481), (205, 5712), (220, 5745), (278, 5895), (293, 5937), (306, 5988),

Gene: Ciao_9 Start: 4575, Stop: 5996, Start Num: 23
Candidate Starts for Ciao_9:
(Start: 23 @4575 has 243 MA's), (64, 4854), (73, 4896), (86, 4989), (100, 5091), (134, 5214), (154, 5373), (162, 5400), (205, 5631), (220, 5664), (278, 5814), (293, 5856), (306, 5907),

Gene: Cici_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for Cici_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (280, 5262), (285, 5280), (300, 5346), (305, 5367),

Gene: Cindaradix_7 Start: 3669, Stop: 5138, Start Num: 23
Candidate Starts for Cindaradix_7:
(Start: 23 @3669 has 243 MA's), (64, 3921), (86, 4080), (87, 4092), (134, 4335), (143, 4404), (156, 4506), (158, 4518), (160, 4521), (171, 4590), (185, 4653), (187, 4659), (205, 4776), (216, 4800), (227, 4824), (268, 4938), (270, 4947), (288, 5010), (297, 5031), (301, 5049),

Gene: Cintron_8 Start: 4029, Stop: 5504, Start Num: 23

Candidate Starts for Cintron_8:
(13, 3966), (Start: 23 @4029 has 243 MA's), (64, 4281), (86, 4440), (87, 4452), (134, 4701), (143, 4770), (158, 4884), (160, 4887), (185, 5019), (198, 5112), (205, 5142), (216, 5166), (235, 5205), (268, 5304), (297, 5397),

Gene: Citius_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Citius_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Clarenza_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Clarenza_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Clautastrophe_26 Start: 24962, Stop: 26434, Start Num: 25
Candidate Starts for Clautastrophe_26:
(Start: 25 @24962 has 181 MA's), (Start: 35 @25010 has 4 MA's), (47, 25064), (51, 25094), (52, 25097), (57, 25139), (64, 25214), (86, 25358), (88, 25370), (134, 25598), (144, 25667), (160, 25784), (185, 25916), (187, 25922), (205, 26042), (220, 26075), (225, 26087), (248, 26147), (273, 26225), (310, 26390),

Gene: Cocoaberry_8 Start: 3925, Stop: 5427, Start Num: 23
Candidate Starts for Cocoaberry_8:
(Start: 23 @3925 has 243 MA's), (52, 4060), (64, 4177), (83, 4297), (86, 4336), (87, 4348), (128, 4555), (134, 4594), (158, 4777), (160, 4780), (185, 4912), (187, 4918), (205, 5038), (230, 5092), (248, 5143), (268, 5206), (274, 5239),

Gene: Coffee_47 Start: 40913, Stop: 42412, Start Num: 32
Candidate Starts for Coffee_47:
(Start: 29 @40901 has 45 MA's), (Start: 32 @40913 has 40 MA's), (52, 41024), (62, 41120), (72, 41225), (80, 41255), (85, 41300), (86, 41339), (87, 41351), (99, 41477), (102, 41486), (103, 41492), (107, 41510), (111, 41522), (113, 41525), (117, 41537), (119, 41543), (133, 41609), (146, 41741), (152, 41798), (156, 41828), (161, 41849), (170, 41897), (175, 41927), (186, 41957), (188, 41963), (194, 42029), (209, 42086), (233, 42143), (240, 42161), (241, 42164), (266, 42236), (268, 42245), (270, 42254), (296, 42338),

Gene: Commander_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Commander_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: ConceptII_9 Start: 4814, Stop: 6247, Start Num: 25
Candidate Starts for ConceptII_9:
(Start: 25 @4814 has 181 MA's), (Start: 35 @4862 has 4 MA's), (64, 5066), (83, 5168), (85, 5171), (86, 5210), (134, 5465), (154, 5624), (162, 5651), (205, 5882), (220, 5915), (278, 6065), (293, 6107), (306, 6158),

Gene: Connomayer_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Connomayer_8:

(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Corvo_9 Start: 4770, Stop: 6191, Start Num: 23
Candidate Starts for Corvo_9:
(Start: 23 @4770 has 243 MA's), (64, 5049), (73, 5091), (86, 5184), (100, 5286), (134, 5409), (154, 5568), (162, 5595), (205, 5826), (220, 5859), (261, 5955), (278, 6009), (293, 6051), (306, 6102),

Gene: Courthouse_47 Start: 37698, Stop: 39086, Start Num: 23
Candidate Starts for Courthouse_47:
(Start: 23 @37698 has 243 MA's), (Start: 35 @37749 has 4 MA's), (46, 37797), (62, 37920), (64, 37953), (70, 37986), (85, 38058), (86, 38097), (122, 38295), (124, 38307), (133, 38343), (134, 38358), (156, 38520), (162, 38544), (176, 38631), (205, 38811), (214, 38832), (272, 38964), (273, 38967), (278, 38982), (279, 38985), (303, 39051),

Gene: Crispicous1_8 Start: 4042, Stop: 5475, Start Num: 25
Candidate Starts for Crispicous1_8:
(Start: 25 @4042 has 181 MA's), (Start: 35 @4090 has 4 MA's), (64, 4294), (80, 4366), (86, 4438), (134, 4693), (154, 4852), (162, 4879), (205, 5110), (220, 5143), (278, 5293), (293, 5335), (304, 5371), (306, 5386),

Gene: Cueylyss_9 Start: 4711, Stop: 6144, Start Num: 25
Candidate Starts for Cueylyss_9:
(Start: 25 @4711 has 181 MA's), (Start: 35 @4759 has 4 MA's), (64, 4963), (85, 5068), (86, 5107), (134, 5362), (154, 5521), (162, 5548), (205, 5779), (220, 5812), (278, 5962), (293, 6004), (306, 6055),

Gene: DD5_10 Start: 5332, Stop: 6726, Start Num: 30
Candidate Starts for DD5_10:
(20, 5290), (Start: 30 @5332 has 10 MA's), (46, 5410), (64, 5566), (85, 5671), (86, 5710), (134, 5944), (154, 6103), (162, 6130), (180, 6217), (205, 6361), (220, 6394), (278, 6544), (293, 6586), (304, 6622), (306, 6637),

Gene: DarthPhader_11 Start: 6529, Stop: 7929, Start Num: 29
Candidate Starts for DarthPhader_11:
(Start: 29 @6529 has 45 MA's), (39, 6583), (46, 6619), (47, 6625), (52, 6658), (64, 6775), (77, 6835), (86, 6916), (88, 6928), (108, 7054), (134, 7162), (137, 7192), (156, 7324), (188, 7462), (195, 7534), (197, 7543), (206, 7582), (211, 7591), (222, 7615), (253, 7678), (261, 7699), (272, 7735), (290, 7792),

Gene: Datway_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for Datway_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (280, 5262), (285, 5280), (300, 5346), (305, 5367),

Gene: Deano_8 Start: 3927, Stop: 5429, Start Num: 23
Candidate Starts for Deano_8:
(Start: 23 @3927 has 243 MA's), (52, 4062), (64, 4179), (83, 4299), (86, 4338), (87, 4350), (106, 4488), (128, 4557), (134, 4596), (158, 4779), (160, 4782), (185, 4914), (187, 4920), (205, 5040), (230, 5094), (248, 5145), (268, 5208), (274, 5241),

Gene: DeerParkTS_10 Start: 4540, Stop: 6042, Start Num: 29
Candidate Starts for DeerParkTS_10:

(Start: 29 @4540 has 45 MA's), (Start: 33 @4558 has 1 MA's), (58, 4708), (62, 4759), (66, 4819), (72, 4852), (80, 4882), (84, 4924), (86, 4966), (87, 4978), (91, 5011), (97, 5080), (104, 5113), (121, 5170), (134, 5221), (185, 5539), (191, 5560), (203, 5662), (207, 5671), (216, 5695), (221, 5707), (228, 5728), (268, 5842),

Gene: Dexes_10 Start: 5198, Stop: 6631, Start Num: 25
Candidate Starts for Dexes_10:
(Start: 25 @5198 has 181 MA's), (Start: 35 @5246 has 4 MA's), (64, 5450), (83, 5552), (85, 5555), (86, 5594), (134, 5849), (154, 6008), (162, 6035), (205, 6266), (220, 6299), (261, 6395), (278, 6449), (293, 6491), (306, 6542),

Gene: Dhanush_8 Start: 3924, Stop: 5426, Start Num: 23
Candidate Starts for Dhanush_8:
(Start: 23 @3924 has 243 MA's), (52, 4059), (64, 4176), (83, 4296), (86, 4335), (87, 4347), (128, 4554), (134, 4593), (158, 4776), (160, 4779), (166, 4812), (185, 4911), (187, 4917), (205, 5037), (230, 5091), (248, 5142), (268, 5205), (274, 5238),

Gene: Dignity_11 Start: 5061, Stop: 6383, Start Num: 23
Candidate Starts for Dignity_11:
(Start: 23 @5061 has 243 MA's), (44, 5145), (47, 5163), (57, 5238), (75, 5379), (86, 5472), (87, 5484), (91, 5532), (122, 5628), (139, 5700), (148, 5748), (197, 5967), (205, 6000), (231, 6054), (248, 6105), (262, 6150), (268, 6168), (285, 6231), (305, 6318),

Gene: DirtDevil_10 Start: 5166, Stop: 6587, Start Num: 23
Candidate Starts for DirtDevil_10:
(15, 5130), (Start: 19 @5139 has 3 MA's), (Start: 23 @5166 has 243 MA's), (64, 5445), (73, 5487), (86, 5580), (100, 5682), (134, 5805), (154, 5964), (162, 5991), (205, 6222), (220, 6255), (278, 6405), (293, 6447), (306, 6498),

Gene: DirtyDunning_8 Start: 3926, Stop: 5428, Start Num: 23
Candidate Starts for DirtyDunning_8:
(Start: 23 @3926 has 243 MA's), (52, 4061), (64, 4178), (83, 4298), (86, 4337), (87, 4349), (128, 4556), (134, 4595), (158, 4778), (160, 4781), (185, 4913), (187, 4919), (205, 5039), (230, 5093), (248, 5144), (268, 5207), (274, 5240),

Gene: Doom_9 Start: 4836, Stop: 6269, Start Num: 25
Candidate Starts for Doom_9:
(Start: 25 @4836 has 181 MA's), (Start: 35 @4884 has 4 MA's), (64, 5088), (83, 5190), (85, 5193), (86, 5232), (100, 5364), (134, 5487), (154, 5646), (162, 5673), (180, 5760), (205, 5904), (220, 5937), (261, 6033), (278, 6087), (293, 6129), (306, 6180),

Gene: DrFeelGood_8 Start: 4360, Stop: 5793, Start Num: 25
Candidate Starts for DrFeelGood_8:
(Start: 25 @4360 has 181 MA's), (Start: 35 @4408 has 4 MA's), (64, 4612), (83, 4714), (85, 4717), (86, 4756), (134, 5011), (154, 5170), (162, 5197), (205, 5428), (220, 5461), (278, 5611), (293, 5653), (306, 5704),

Gene: Drake94_8 Start: 2277, Stop: 3773, Start Num: 29
Candidate Starts for Drake94_8:
(Start: 29 @2277 has 45 MA's), (Start: 33 @2295 has 1 MA's), (58, 2445), (66, 2556), (72, 2589), (79, 2610), (86, 2703), (87, 2715), (91, 2748), (134, 2955), (155, 3147), (159, 3162), (165, 3189), (185, 3273), (187, 3279), (203, 3399), (213, 3423), (219, 3435), (230, 3462), (259, 3552), (266, 3567), (281, 3624), (302, 3705),

Gene: DreamCatcher_10 Start: 4964, Stop: 6385, Start Num: 23
Candidate Starts for DreamCatcher_10:
(Start: 23 @4964 has 243 MA's), (64, 5243), (73, 5285), (86, 5378), (100, 5480), (134, 5603), (154, 5762), (162, 5789), (180, 5876), (205, 6020), (220, 6053), (261, 6149), (278, 6203), (293, 6245), (304, 6281), (306, 6296),

Gene: Dreamboat_10 Start: 4452, Stop: 5921, Start Num: 25
Candidate Starts for Dreamboat_10:
(Start: 25 @4452 has 181 MA's), (Start: 35 @4500 has 4 MA's), (64, 4704), (83, 4806), (85, 4809), (86, 4848), (100, 4980), (134, 5103), (154, 5262), (162, 5289), (176, 5364), (177, 5373), (205, 5556), (220, 5589), (278, 5739), (293, 5781), (306, 5832),

Gene: DroogsArmy_9 Start: 5305, Stop: 6657, Start Num: 23
Candidate Starts for DroogsArmy_9:
(18, 5275), (Start: 23 @5305 has 243 MA's), (51, 5443), (64, 5563), (86, 5725), (87, 5737), (91, 5785), (120, 5890), (142, 5983), (157, 6097), (158, 6103), (205, 6316), (268, 6457), (310, 6619), (312, 6640),

Gene: Druantia_8 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for Druantia_8:
(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (82, 4276), (83, 4294), (86, 4333), (87, 4345), (106, 4483), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Dulcie_8 Start: 4256, Stop: 5668, Start Num: 25
Candidate Starts for Dulcie_8:
(Start: 25 @4256 has 181 MA's), (Start: 35 @4304 has 4 MA's), (64, 4508), (80, 4580), (85, 4613), (86, 4652), (134, 4886), (154, 5045), (205, 5303), (220, 5336), (278, 5486), (293, 5528), (306, 5579),

Gene: DuncansLeg_26 Start: 24945, Stop: 26417, Start Num: 25
Candidate Starts for DuncansLeg_26:
(Start: 25 @24945 has 181 MA's), (Start: 35 @24993 has 4 MA's), (47, 25047), (51, 25077), (52, 25080), (64, 25197), (86, 25341), (88, 25353), (134, 25581), (144, 25650), (160, 25767), (185, 25899), (186, 25902), (187, 25905), (205, 26025), (220, 26058), (225, 26070), (248, 26130), (273, 26208), (310, 26373),

Gene: Dussy_10 Start: 4617, Stop: 6029, Start Num: 25
Candidate Starts for Dussy_10:
(Start: 25 @4617 has 181 MA's), (Start: 35 @4665 has 4 MA's), (64, 4869), (80, 4941), (85, 4974), (86, 5013), (134, 5247), (154, 5406), (162, 5433), (205, 5664), (220, 5697), (278, 5847), (293, 5889), (306, 5940),

Gene: Dynamix_9 Start: 4309, Stop: 5742, Start Num: 25
Candidate Starts for Dynamix_9:
(Start: 25 @4309 has 181 MA's), (Start: 35 @4357 has 4 MA's), (47, 4411), (64, 4561), (83, 4663), (85, 4666), (86, 4705), (134, 4960), (154, 5119), (162, 5146), (180, 5233), (205, 5377), (220, 5410), (261, 5506), (278, 5560), (293, 5602), (306, 5653),

Gene: Eagle_7 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Eagle_7:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Eaglehorse_47 Start: 40837, Stop: 42336, Start Num: 32
Candidate Starts for Eaglehorse_47:
(Start: 29 @40825 has 45 MA's), (Start: 32 @40837 has 40 MA's), (52, 40948), (62, 41044), (72, 41149), (80, 41179), (85, 41224), (86, 41263), (87, 41275), (99, 41401), (102, 41410), (103, 41416), (107, 41434), (111, 41446), (113, 41449), (117, 41461), (119, 41467), (133, 41533), (146, 41665), (152, 41722), (156, 41752), (161, 41773), (170, 41821), (175, 41851), (186, 41881), (188, 41887), (194, 41953), (209, 42010), (233, 42067), (240, 42085), (241, 42088), (266, 42160), (268, 42169), (270, 42178), (296, 42262),

Gene: Eapen_8 Start: 3923, Stop: 5425, Start Num: 23
Candidate Starts for Eapen_8:
(Start: 23 @3923 has 243 MA's), (52, 4058), (64, 4175), (83, 4295), (86, 4334), (87, 4346), (106, 4484), (128, 4553), (134, 4592), (158, 4775), (160, 4778), (185, 4910), (187, 4916), (205, 5036), (230, 5090), (248, 5141), (268, 5204), (274, 5237),

Gene: Edtherson_10 Start: 5105, Stop: 6526, Start Num: 23
Candidate Starts for Edtherson_10:
(15, 5069), (Start: 19 @5078 has 3 MA's), (Start: 23 @5105 has 243 MA's), (64, 5384), (73, 5426), (86, 5519), (100, 5621), (134, 5744), (154, 5903), (162, 5930), (205, 6161), (220, 6194), (261, 6290), (278, 6344), (293, 6386), (306, 6437),

Gene: Ellson_26 Start: 24932, Stop: 26404, Start Num: 25
Candidate Starts for Ellson_26:
(Start: 25 @24932 has 181 MA's), (Start: 35 @24980 has 4 MA's), (47, 25034), (51, 25064), (52, 25067), (64, 25184), (86, 25328), (88, 25340), (134, 25568), (144, 25637), (154, 25736), (160, 25754), (185, 25886), (186, 25889), (187, 25892), (205, 26012), (220, 26045), (225, 26057), (248, 26117), (273, 26195), (310, 26360),

Gene: EnzoK_10 Start: 4827, Stop: 6260, Start Num: 25
Candidate Starts for EnzoK_10:
(Start: 25 @4827 has 181 MA's), (Start: 35 @4875 has 4 MA's), (64, 5079), (83, 5181), (85, 5184), (86, 5223), (100, 5355), (134, 5478), (154, 5637), (162, 5664), (205, 5895), (220, 5928), (261, 6024), (278, 6078), (293, 6120), (306, 6171),

Gene: Eris_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Eris_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Eros_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Eros_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Espresso_9 Start: 4689, Stop: 6122, Start Num: 25
Candidate Starts for Espresso_9:
(Start: 25 @4689 has 181 MA's), (Start: 35 @4737 has 4 MA's), (47, 4791), (64, 4941), (83, 5043), (85, 5046), (86, 5085), (134, 5340), (154, 5499), (205, 5757), (220, 5790), (278, 5940), (293, 5982), (306, 6033),

Gene: Euphoria_9 Start: 4597, Stop: 6018, Start Num: 23
Candidate Starts for Euphoria_9:
(Start: 23 @4597 has 243 MA's), (64, 4876), (73, 4918), (86, 5011), (100, 5113), (134, 5236), (154, 5395), (162, 5422), (205, 5653), (220, 5686), (261, 5782), (278, 5836), (293, 5878), (306, 5929),

Gene: Eurydice_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Eurydice_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: EvilGenius_11 Start: 5065, Stop: 6387, Start Num: 23
Candidate Starts for EvilGenius_11:
(Start: 23 @5065 has 243 MA's), (44, 5149), (47, 5167), (57, 5242), (69, 5350), (75, 5383), (86, 5476), (87, 5488), (91, 5536), (112, 5608), (122, 5620), (197, 5959), (205, 5992), (231, 6046), (248, 6097), (260, 6139), (264, 6145), (285, 6223), (305, 6313), (309, 6325),

Gene: Eyeball_9 Start: 4353, Stop: 5765, Start Num: 25
Candidate Starts for Eyeball_9:
(Start: 25 @4353 has 181 MA's), (Start: 35 @4401 has 4 MA's), (64, 4605), (80, 4677), (85, 4710), (86, 4749), (134, 4983), (154, 5142), (162, 5169), (205, 5400), (220, 5433), (261, 5529), (278, 5583), (293, 5625), (306, 5676),

Gene: Fajezeel_10 Start: 4419, Stop: 5840, Start Num: 23
Candidate Starts for Fajezeel_10:
(Start: 23 @4419 has 243 MA's), (64, 4698), (73, 4740), (86, 4833), (100, 4935), (134, 5058), (154, 5217), (162, 5244), (205, 5475), (220, 5508), (278, 5658), (293, 5700), (306, 5751),

Gene: Fascinus_8 Start: 4335, Stop: 5768, Start Num: 25
Candidate Starts for Fascinus_8:
(Start: 25 @4335 has 181 MA's), (Start: 35 @4383 has 4 MA's), (64, 4587), (83, 4689), (85, 4692), (86, 4731), (134, 4986), (154, 5145), (162, 5172), (205, 5403), (220, 5436), (261, 5532), (278, 5586), (293, 5628), (306, 5679),

Gene: Faze9_46 Start: 40933, Stop: 42432, Start Num: 32
Candidate Starts for Faze9_46:
(Start: 29 @40921 has 45 MA's), (Start: 32 @40933 has 40 MA's), (52, 41044), (62, 41140), (72, 41245), (80, 41275), (82, 41287), (85, 41320), (86, 41359), (87, 41371), (99, 41497), (102, 41506), (103, 41512), (107, 41530), (111, 41542), (113, 41545), (117, 41557), (119, 41563), (133, 41629), (146, 41761), (152, 41818), (156, 41848), (161, 41869), (170, 41917), (175, 41947), (186, 41977), (188, 41983), (194, 42049), (209, 42106), (233, 42163), (240, 42181), (241, 42184), (266, 42256), (268, 42265), (270, 42274), (296, 42358),

Gene: Fenn_9 Start: 4539, Stop: 5972, Start Num: 25
Candidate Starts for Fenn_9:
(Start: 25 @4539 has 181 MA's), (Start: 35 @4587 has 4 MA's), (47, 4641), (64, 4791), (83, 4893), (85, 4896), (86, 4935), (134, 5190), (154, 5349), (162, 5376), (180, 5463), (205, 5607), (220, 5640), (278, 5790), (293, 5832), (304, 5868), (306, 5883),

Gene: Finnry_26 Start: 24966, Stop: 26438, Start Num: 25
Candidate Starts for Finnry_26:
(Start: 25 @24966 has 181 MA's), (Start: 35 @25014 has 4 MA's), (47, 25068), (51, 25098), (52, 25101), (57, 25143), (64, 25218), (86, 25362), (88, 25374), (134, 25602), (144, 25671), (160, 25788),

(185, 25920), (187, 25926), (205, 26046), (220, 26079), (225, 26091), (248, 26151), (273, 26229), (310, 26394),

Gene: FlagStaff_26 Start: 25277, Stop: 26638, Start Num: 28
Candidate Starts for FlagStaff_26:
(Start: 28 @25277 has 2 MA's), (48, 25379), (49, 25382), (50, 25400), (62, 25490), (77, 25583), (81, 25601), (85, 25625), (86, 25664), (105, 25841), (107, 25853), (119, 25883), (134, 25964), (135, 25979), (150, 26066), (156, 26126), (160, 26141), (161, 26147), (179, 26237), (183, 26264), (205, 26408), (223, 26447),

Gene: Florean_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Florean_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Flux_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Flux_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: ForDig_40 Start: 38353, Stop: 39828, Start Num: 29
Candidate Starts for ForDig_40:
(16, 38314), (Start: 29 @38353 has 45 MA's), (Start: 31 @38359 has 1 MA's), (Start: 33 @38371 has 1 MA's), (72, 38665), (79, 38686), (80, 38695), (83, 38725), (85, 38728), (86, 38767), (87, 38779), (99, 38908), (107, 38962), (131, 39061), (134, 39088), (135, 39103), (146, 39208), (149, 39232), (152, 39265), (156, 39295), (161, 39316), (174, 39394), (191, 39442), (209, 39553), (232, 39607), (237, 39619), (239, 39622), (277, 39742),

Gene: Forsytheast_8 Start: 4599, Stop: 6032, Start Num: 25
Candidate Starts for Forsytheast_8:
(Start: 25 @4599 has 181 MA's), (Start: 35 @4647 has 4 MA's), (64, 4851), (83, 4953), (85, 4956), (86, 4995), (100, 5127), (134, 5250), (154, 5409), (162, 5436), (205, 5667), (220, 5700), (278, 5850), (293, 5892), (306, 5943),

Gene: Francis47_9 Start: 4857, Stop: 6269, Start Num: 25
Candidate Starts for Francis47_9:
(Start: 25 @4857 has 181 MA's), (Start: 35 @4905 has 4 MA's), (64, 5109), (80, 5181), (85, 5214), (86, 5253), (134, 5487), (154, 5646), (162, 5673), (205, 5904), (220, 5937), (278, 6087), (293, 6129), (306, 6180),

Gene: FrenchFry_47 Start: 40927, Stop: 42426, Start Num: 32
Candidate Starts for FrenchFry_47:
(Start: 29 @40915 has 45 MA's), (Start: 32 @40927 has 40 MA's), (52, 41038), (62, 41134), (72, 41239), (80, 41269), (85, 41314), (86, 41353), (87, 41365), (99, 41491), (102, 41500), (103, 41506), (107, 41524), (111, 41536), (113, 41539), (117, 41551), (119, 41557), (133, 41623), (138, 41674), (146, 41755), (152, 41812), (156, 41842), (161, 41863), (170, 41911), (175, 41941), (186, 41971), (188, 41977), (194, 42043), (209, 42100), (233, 42157), (240, 42175), (241, 42178), (266, 42250), (268, 42259), (270, 42268), (296, 42352),

Gene: Froghopper_10 Start: 4278, Stop: 5711, Start Num: 25
Candidate Starts for Froghopper_10:

(Start: 25 @4278 has 181 MA's), (Start: 35 @4326 has 4 MA's), (64, 4530), (83, 4632), (85, 4635), (86, 4674), (100, 4806), (134, 4929), (154, 5088), (162, 5115), (205, 5346), (220, 5379), (278, 5529), (293, 5571), (306, 5622),

Gene: Funsized_50 Start: 43311, Stop: 44798, Start Num: 29
Candidate Starts for Funsized_50:
(Start: 29 @43311 has 45 MA's), (Start: 33 @43326 has 1 MA's), (52, 43431), (66, 43587), (72, 43620), (80, 43650), (83, 43680), (86, 43722), (87, 43734), (91, 43776), (98, 43863), (107, 43920), (118, 43953), (119, 43959), (134, 44040), (135, 44055), (145, 44148), (151, 44193), (156, 44250), (161, 44271), (174, 44349), (209, 44517), (215, 44529), (232, 44571), (239, 44586), (268, 44673), (292, 44742),

Gene: Funston_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Funston_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Fushigi_9 Start: 4498, Stop: 5931, Start Num: 25
Candidate Starts for Fushigi_9:
(Start: 25 @4498 has 181 MA's), (Start: 35 @4546 has 4 MA's), (64, 4750), (83, 4852), (85, 4855), (86, 4894), (134, 5149), (154, 5308), (162, 5335), (205, 5566), (220, 5599), (261, 5695), (278, 5749), (293, 5791), (306, 5842),

Gene: GMonster_8 Start: 4204, Stop: 5637, Start Num: 25
Candidate Starts for GMonster_8:
(Start: 25 @4204 has 181 MA's), (Start: 35 @4252 has 4 MA's), (47, 4306), (64, 4456), (83, 4558), (85, 4561), (86, 4600), (134, 4855), (154, 5014), (162, 5041), (205, 5272), (220, 5305), (261, 5401), (278, 5455), (293, 5497), (306, 5548),

Gene: Gachnar_9 Start: 4619, Stop: 6052, Start Num: 25
Candidate Starts for Gachnar_9:
(Start: 25 @4619 has 181 MA's), (Start: 35 @4667 has 4 MA's), (64, 4871), (83, 4973), (85, 4976), (86, 5015), (134, 5270), (154, 5429), (162, 5456), (205, 5687), (220, 5720), (278, 5870), (293, 5912), (306, 5963),

Gene: Gadost_8 Start: 3925, Stop: 5427, Start Num: 23
Candidate Starts for Gadost_8:
(Start: 23 @3925 has 243 MA's), (52, 4060), (64, 4177), (83, 4297), (86, 4336), (87, 4348), (128, 4555), (134, 4594), (158, 4777), (160, 4780), (185, 4912), (187, 4918), (205, 5038), (230, 5092), (248, 5143), (268, 5206), (274, 5239),

Gene: GageAP_10 Start: 4823, Stop: 6256, Start Num: 25
Candidate Starts for GageAP_10:
(Start: 25 @4823 has 181 MA's), (Start: 35 @4871 has 4 MA's), (64, 5075), (83, 5177), (85, 5180), (86, 5219), (134, 5474), (154, 5633), (205, 5891), (220, 5924), (278, 6074), (293, 6116), (306, 6167),

Gene: Gandalf20_10 Start: 5405, Stop: 6826, Start Num: 23
Candidate Starts for Gandalf20_10:
(15, 5369), (Start: 19 @5378 has 3 MA's), (Start: 23 @5405 has 243 MA's), (64, 5684), (73, 5726), (86, 5819), (100, 5921), (134, 6044), (154, 6203), (162, 6230), (205, 6461), (220, 6494), (278, 6644), (293, 6686), (306, 6737),

Gene: GaugeLDP_11 Start: 5849, Stop: 7321, Start Num: 23
Candidate Starts for GaugeLDP_11:
(Start: 23 @5849 has 243 MA's), (52, 5984), (64, 6101), (83, 6221), (86, 6260), (87, 6272), (106, 6407), (134, 6515), (158, 6698), (185, 6833), (186, 6836), (187, 6839), (205, 6959), (216, 6983), (227, 7007), (235, 7022), (268, 7121), (286, 7187), (306, 7253),

Gene: Gimesa_36 Start: 32393, Stop: 33862, Start Num: 32
Candidate Starts for Gimesa_36:
(Start: 32 @32393 has 40 MA's), (40, 32435), (50, 32498), (62, 32600), (82, 32747), (83, 32765), (86, 32807), (87, 32819), (93, 32867), (109, 32963), (114, 32975), (116, 32984), (123, 33017), (134, 33071), (140, 33116), (156, 33275), (161, 33296), (162, 33299), (170, 33344), (174, 33374), (192, 33443), (193, 33458), (195, 33482), (205, 33527), (215, 33551), (247, 33638), (257, 33668), (269, 33701), (276, 33731), (292, 33773),

Gene: Gladiator_13 Start: 5825, Stop: 7039, Start Num: 29
Candidate Starts for Gladiator_13:
(Start: 29 @5825 has 45 MA's), (Start: 33 @5843 has 1 MA's), (58, 5993), (66, 6104), (72, 6137), (80, 6167), (86, 6251), (87, 6263), (91, 6296), (101, 6368), (107, 6386), (130, 6452), (136, 6500), (169, 6719), (181, 6746), (186, 6758), (188, 6764), (198, 6827), (267, 7010),

Gene: Glass_47 Start: 40927, Stop: 42426, Start Num: 32
Candidate Starts for Glass_47:
(Start: 29 @40915 has 45 MA's), (Start: 32 @40927 has 40 MA's), (52, 41038), (62, 41134), (72, 41239), (80, 41269), (85, 41314), (86, 41353), (87, 41365), (99, 41491), (102, 41500), (103, 41506), (107, 41524), (111, 41536), (113, 41539), (117, 41551), (119, 41557), (133, 41623), (146, 41755), (152, 41812), (156, 41842), (161, 41863), (170, 41911), (175, 41941), (186, 41971), (188, 41977), (194, 42043), (209, 42100), (233, 42157), (240, 42175), (241, 42178), (266, 42250), (268, 42259), (270, 42268), (296, 42352),

Gene: GodSpeed_26 Start: 25314, Stop: 26666, Start Num: 28
Candidate Starts for GodSpeed_26:
(Start: 28 @25314 has 2 MA's), (48, 25416), (49, 25419), (50, 25437), (62, 25527), (77, 25620), (81, 25638), (85, 25662), (86, 25701), (87, 25713), (94, 25824), (95, 25827), (105, 25878), (107, 25890), (119, 25920), (134, 26001), (135, 26016), (150, 26103), (160, 26178), (161, 26184), (179, 26274), (205, 26445), (223, 26484),

Gene: Godines_47 Start: 40869, Stop: 42368, Start Num: 32
Candidate Starts for Godines_47:
(Start: 29 @40857 has 45 MA's), (Start: 32 @40869 has 40 MA's), (52, 40980), (62, 41076), (72, 41181), (80, 41211), (85, 41256), (86, 41295), (87, 41307), (99, 41433), (102, 41442), (103, 41448), (107, 41466), (111, 41478), (113, 41481), (117, 41493), (119, 41499), (133, 41565), (146, 41697), (152, 41754), (156, 41784), (161, 41805), (170, 41853), (175, 41883), (186, 41913), (188, 41919), (194, 41985), (209, 42042), (233, 42099), (240, 42117), (241, 42120), (266, 42192), (268, 42201), (270, 42210), (296, 42294),

Gene: Gompeii16_9 Start: 4796, Stop: 6229, Start Num: 25
Candidate Starts for Gompeii16_9:
(Start: 25 @4796 has 181 MA's), (Start: 35 @4844 has 4 MA's), (64, 5048), (83, 5150), (85, 5153), (86, 5192), (134, 5447), (154, 5606), (162, 5633), (205, 5864), (220, 5897), (278, 6047), (293, 6089), (306, 6140),

Gene: Gonephishing_49 Start: 39030, Stop: 40364, Start Num: 23
Candidate Starts for Gonephishing_49:

(Start: 23 @39030 has 243 MA's), (54, 39162), (62, 39234), (70, 39300), (76, 39327), (78, 39330), (81, 39345), (85, 39369), (86, 39408), (89, 39420), (100, 39522), (123, 39591), (134, 39645), (161, 39855), (205, 40089), (214, 40110), (272, 40242), (273, 40245), (278, 40260), (279, 40263), (303, 40329),

Gene: Graduation_11 Start: 5397, Stop: 6791, Start Num: 30
Candidate Starts for Graduation_11:
(20, 5355), (Start: 30 @5397 has 10 MA's), (46, 5475), (64, 5631), (71, 5667), (85, 5736), (86, 5775), (134, 6009), (154, 6168), (162, 6195), (205, 6426), (220, 6459), (261, 6555), (278, 6609), (293, 6651), (306, 6702),

Gene: GrecoEtereo_10 Start: 4902, Stop: 6335, Start Num: 25
Candidate Starts for GrecoEtereo_10:
(Start: 25 @4902 has 181 MA's), (Start: 35 @4950 has 4 MA's), (64, 5154), (83, 5256), (85, 5259), (86, 5298), (134, 5553), (154, 5712), (162, 5739), (205, 5970), (220, 6003), (278, 6153), (293, 6195), (306, 6246),

Gene: Greg_10 Start: 4419, Stop: 5840, Start Num: 23
Candidate Starts for Greg_10:
(Start: 23 @4419 has 243 MA's), (64, 4698), (73, 4740), (86, 4833), (100, 4935), (134, 5058), (154, 5217), (162, 5244), (205, 5475), (220, 5508), (278, 5658), (293, 5700), (306, 5751),

Gene: GroundGoblin_10 Start: 5166, Stop: 6587, Start Num: 23
Candidate Starts for GroundGoblin_10:
(15, 5130), (Start: 19 @5139 has 3 MA's), (Start: 23 @5166 has 243 MA's), (64, 5445), (73, 5487), (86, 5580), (100, 5682), (134, 5805), (154, 5964), (162, 5991), (205, 6222), (220, 6255), (278, 6405), (293, 6447), (306, 6498),

Gene: Gruunaga_13 Start: 5825, Stop: 7039, Start Num: 29
Candidate Starts for Gruunaga_13:
(Start: 29 @5825 has 45 MA's), (Start: 33 @5843 has 1 MA's), (58, 5993), (66, 6104), (72, 6137), (80, 6167), (86, 6251), (87, 6263), (91, 6296), (101, 6368), (107, 6386), (130, 6452), (136, 6500), (169, 6719), (181, 6746), (186, 6758), (188, 6764), (198, 6827), (267, 7010),

Gene: Gwendoluna_10 Start: 5281, Stop: 6711, Start Num: 30
Candidate Starts for Gwendoluna_10:
(20, 5239), (Start: 30 @5281 has 10 MA's), (46, 5359), (64, 5515), (85, 5620), (86, 5659), (134, 5893), (154, 6052), (162, 6079), (174, 6154), (205, 6346), (220, 6379), (261, 6475), (278, 6529), (293, 6571), (306, 6622),

Gene: Gyzlar_10 Start: 5037, Stop: 6470, Start Num: 25
Candidate Starts for Gyzlar_10:
(Start: 25 @5037 has 181 MA's), (Start: 35 @5085 has 4 MA's), (64, 5289), (83, 5391), (85, 5394), (86, 5433), (134, 5688), (154, 5847), (205, 6105), (220, 6138), (278, 6288), (293, 6330), (306, 6381),

Gene: HINdeR_8 Start: 5403, Stop: 6755, Start Num: 23
Candidate Starts for HINdeR_8:
(22, 5388), (Start: 23 @5403 has 243 MA's), (46, 5505), (51, 5541), (64, 5661), (86, 5823), (87, 5835), (91, 5883), (120, 5988), (142, 6081), (157, 6195), (158, 6201), (205, 6414), (268, 6555), (287, 6624), (310, 6717), (312, 6738),

Gene: HamSlice_7 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for HamSlice_7:

(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (83, 4294), (86, 4333), (87, 4345), (106, 4483), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Hami1_9 Start: 4645, Stop: 6024, Start Num: 35
Candidate Starts for Hami1_9:
(Start: 25 @4597 has 181 MA's), (Start: 35 @4645 has 4 MA's), (64, 4849), (83, 4951), (85, 4954), (86, 4993), (134, 5248), (154, 5407), (162, 5434), (205, 5665), (220, 5698), (261, 5794), (278, 5848), (293, 5890), (306, 5941),

Gene: Hammer_13 Start: 5825, Stop: 7039, Start Num: 29
Candidate Starts for Hammer_13:
(Start: 29 @5825 has 45 MA's), (Start: 33 @5843 has 1 MA's), (58, 5993), (66, 6104), (72, 6137), (80, 6167), (86, 6251), (87, 6263), (91, 6296), (101, 6368), (136, 6500), (169, 6719), (181, 6746), (186, 6758), (188, 6764), (198, 6827),

Gene: HanShotFirst_9 Start: 4212, Stop: 5633, Start Num: 23
Candidate Starts for HanShotFirst_9:
(Start: 23 @4212 has 243 MA's), (64, 4491), (73, 4533), (86, 4626), (100, 4728), (111, 4752), (134, 4851), (154, 5010), (162, 5037), (205, 5268), (220, 5301), (278, 5451), (293, 5493), (306, 5544),

Gene: Happiness_8 Start: 3926, Stop: 5428, Start Num: 23
Candidate Starts for Happiness_8:
(Start: 23 @3926 has 243 MA's), (52, 4061), (64, 4178), (83, 4298), (86, 4337), (87, 4349), (106, 4487), (128, 4556), (134, 4595), (158, 4778), (160, 4781), (185, 4913), (187, 4919), (205, 5039), (230, 5093), (248, 5144), (268, 5207), (274, 5240),

Gene: HarryOW_10 Start: 4902, Stop: 6335, Start Num: 25
Candidate Starts for HarryOW_10:
(Start: 25 @4902 has 181 MA's), (Start: 35 @4950 has 4 MA's), (64, 5154), (83, 5256), (85, 5259), (86, 5298), (134, 5553), (154, 5712), (162, 5739), (205, 5970), (220, 6003), (278, 6153), (293, 6195), (306, 6246),

Gene: Hashim76_49 Start: 39785, Stop: 41302, Start Num: 29
Candidate Starts for Hashim76_49:
(1, 38789), (2, 38939), (3, 38966), (6, 39326), (8, 39356), (9, 39413), (11, 39674), (16, 39731), (Start: 29 @39785 has 45 MA's), (Start: 32 @39797 has 40 MA's), (52, 39908), (55, 39929), (67, 40070), (79, 40118), (80, 40127), (83, 40157), (86, 40199), (87, 40211), (107, 40394), (134, 40514), (152, 40694), (170, 40793), (174, 40823), (209, 40979), (245, 41075), (252, 41096), (266, 41132), (279, 41180), (308, 41288),

Gene: Hedgerow_47 Start: 40909, Stop: 42408, Start Num: 32
Candidate Starts for Hedgerow_47:
(Start: 29 @40897 has 45 MA's), (Start: 32 @40909 has 40 MA's), (52, 41020), (62, 41116), (72, 41221), (80, 41251), (85, 41296), (86, 41335), (87, 41347), (99, 41473), (102, 41482), (103, 41488), (107, 41506), (111, 41518), (113, 41521), (117, 41533), (119, 41539), (133, 41605), (146, 41737), (152, 41794), (156, 41824), (161, 41845), (170, 41893), (175, 41923), (186, 41953), (188, 41959), (194, 42025), (209, 42082), (233, 42139), (240, 42157), (241, 42160), (266, 42232), (268, 42241), (270, 42250), (296, 42334),

Gene: Herbertwm_8 Start: 4486, Stop: 5889, Start Num: 29
Candidate Starts for Herbertwm_8:

(Start: 29 @4486 has 45 MA's), (39, 4540), (47, 4582), (52, 4615), (64, 4732), (77, 4792), (86, 4873), (88, 4885), (108, 5011), (119, 5038), (134, 5119), (156, 5281), (162, 5305), (172, 5368), (180, 5392), (195, 5491), (199, 5506), (200, 5509), (206, 5539), (218, 5563), (256, 5647), (268, 5680), (289, 5746), (295, 5770),

Gene: Hermia_11 Start: 5358, Stop: 6779, Start Num: 23
Candidate Starts for Hermia_11:
(15, 5322), (Start: 19 @5331 has 3 MA's), (Start: 23 @5358 has 243 MA's), (64, 5637), (73, 5679), (86, 5772), (100, 5874), (134, 5997), (154, 6156), (162, 6183), (205, 6414), (220, 6447), (278, 6597), (293, 6639), (306, 6690),

Gene: HermioneGrange_10 Start: 4321, Stop: 5742, Start Num: 23
Candidate Starts for HermioneGrange_10:
(Start: 23 @4321 has 243 MA's), (64, 4600), (73, 4642), (86, 4735), (100, 4837), (134, 4960), (154, 5119), (162, 5146), (205, 5377), (220, 5410), (261, 5506), (278, 5560), (293, 5602), (306, 5653),

Gene: Hidrated_46 Start: 40825, Stop: 42201, Start Num: 23
Candidate Starts for Hidrated_46:
(Start: 23 @40825 has 243 MA's), (Start: 35 @40876 has 4 MA's), (Start: 41 @40903 has 2 MA's), (46, 40924), (63, 41065), (64, 41080), (86, 41224), (91, 41287), (123, 41428), (134, 41482), (161, 41692), (166, 41719), (205, 41926), (214, 41947), (272, 42079), (278, 42097), (279, 42100), (291, 42127),

Gene: Holeinone_47 Start: 40789, Stop: 42288, Start Num: 32
Candidate Starts for Holeinone_47:
(Start: 29 @40777 has 45 MA's), (Start: 32 @40789 has 40 MA's), (52, 40900), (62, 40996), (72, 41101), (80, 41131), (85, 41176), (86, 41215), (87, 41227), (99, 41353), (102, 41362), (103, 41368), (107, 41386), (111, 41398), (113, 41401), (117, 41413), (119, 41419), (133, 41485), (146, 41617), (152, 41674), (156, 41704), (161, 41725), (170, 41773), (175, 41803), (186, 41833), (188, 41839), (194, 41905), (209, 41962), (233, 42019), (240, 42037), (241, 42040), (266, 42112), (268, 42121), (270, 42130), (296, 42214),

Gene: Holli_8 Start: 3714, Stop: 5216, Start Num: 23
Candidate Starts for Holli_8:
(Start: 23 @3714 has 243 MA's), (52, 3849), (64, 3966), (82, 4068), (83, 4086), (86, 4125), (87, 4137), (106, 4275), (128, 4344), (134, 4383), (158, 4566), (160, 4569), (185, 4701), (187, 4707), (205, 4827), (230, 4881), (248, 4932), (268, 4995), (274, 5028),

Gene: Homines_9 Start: 4615, Stop: 6048, Start Num: 25
Candidate Starts for Homines_9:
(Start: 25 @4615 has 181 MA's), (Start: 35 @4663 has 4 MA's), (64, 4867), (83, 4969), (85, 4972), (86, 5011), (134, 5266), (154, 5425), (162, 5452), (205, 5683), (220, 5716), (278, 5866), (293, 5908), (306, 5959),

Gene: Hope4ever_9 Start: 4717, Stop: 6150, Start Num: 25
Candidate Starts for Hope4ever_9:
(Start: 25 @4717 has 181 MA's), (Start: 35 @4765 has 4 MA's), (47, 4819), (64, 4969), (83, 5071), (85, 5074), (86, 5113), (134, 5368), (154, 5527), (205, 5785), (220, 5818), (261, 5914), (278, 5968), (293, 6010), (306, 6061),

Gene: Hosp_038 Start: 36560, Stop: 38038, Start Num: 29
Candidate Starts for Hosp_038:
(16, 36521), (Start: 29 @36560 has 45 MA's), (Start: 31 @36566 has 1 MA's), (Start: 32 @36572 has 40 MA's), (52, 36683), (57, 36725), (58, 36728), (72, 36872), (79, 36893), (80, 36902), (83, 36932),

(86, 36974), (87, 36986), (91, 37028), (107, 37172), (119, 37214), (131, 37271), (134, 37298), (135, 37313), (146, 37418), (156, 37505), (161, 37526), (167, 37565), (174, 37604), (191, 37652), (209, 37763), (232, 37817), (237, 37829), (239, 37832), (277, 37952),

Gene: Houdini22_8 Start: 3925, Stop: 5427, Start Num: 23
Candidate Starts for Houdini22_8:
(Start: 23 @3925 has 243 MA's), (52, 4060), (64, 4177), (83, 4297), (86, 4336), (87, 4348), (128, 4555), (134, 4594), (158, 4777), (160, 4780), (185, 4912), (187, 4918), (205, 5038), (230, 5092), (248, 5143), (268, 5206), (274, 5239),

Gene: Huxley_8 Start: 4015, Stop: 5496, Start Num: 23
Candidate Starts for Huxley_8:
(Start: 23 @4015 has 243 MA's), (Start: 41 @4093 has 2 MA's), (64, 4273), (86, 4432), (87, 4444), (134, 4693), (143, 4762), (158, 4876), (160, 4879), (171, 4948), (185, 5011), (205, 5134), (216, 5158), (268, 5296), (288, 5368), (297, 5389), (301, 5407),

Gene: ICleared_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for ICleared_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: ILeeKay_11 Start: 4790, Stop: 6202, Start Num: 25
Candidate Starts for ILeeKay_11:
(Start: 25 @4790 has 181 MA's), (Start: 35 @4838 has 4 MA's), (64, 5042), (80, 5114), (85, 5147), (86, 5186), (134, 5420), (154, 5579), (162, 5606), (205, 5837), (220, 5870), (278, 6020), (293, 6062), (306, 6113),

Gene: Iceman_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Iceman_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Ichabod_9 Start: 4326, Stop: 5759, Start Num: 25
Candidate Starts for Ichabod_9:
(Start: 25 @4326 has 181 MA's), (Start: 35 @4374 has 4 MA's), (47, 4428), (64, 4578), (83, 4680), (85, 4683), (86, 4722), (134, 4977), (154, 5136), (162, 5163), (180, 5250), (205, 5394), (220, 5427), (261, 5523), (278, 5577), (293, 5619), (304, 5655), (306, 5670),

Gene: IgnatiusPatJac_8 Start: 4595, Stop: 6028, Start Num: 25
Candidate Starts for IgnatiusPatJac_8:
(Start: 25 @4595 has 181 MA's), (Start: 35 @4643 has 4 MA's), (64, 4847), (83, 4949), (85, 4952), (86, 4991), (100, 5123), (134, 5246), (154, 5405), (162, 5432), (205, 5663), (220, 5696), (278, 5846), (293, 5888), (306, 5939),

Gene: Inyanga_8 Start: 4384, Stop: 5817, Start Num: 25
Candidate Starts for Inyanga_8:
(Start: 25 @4384 has 181 MA's), (Start: 35 @4432 has 4 MA's), (64, 4636), (83, 4738), (85, 4741), (86, 4780), (134, 5035), (154, 5194), (162, 5221), (205, 5452), (220, 5485), (261, 5581), (278, 5635), (293, 5677), (306, 5728),

Gene: Iqorha_8 Start: 4384, Stop: 5817, Start Num: 25

Candidate Starts for Iqorha_8:
(Start: 25 @4384 has 181 MA's), (Start: 35 @4432 has 4 MA's), (64, 4636), (83, 4738), (85, 4741), (86, 4780), (134, 5035), (154, 5194), (162, 5221), (205, 5452), (220, 5485), (261, 5581), (278, 5635), (293, 5677), (306, 5728),

Gene: Iracema64_8 Start: 3928, Stop: 5409, Start Num: 23
Candidate Starts for Iracema64_8:
(Start: 23 @3928 has 243 MA's), (Start: 41 @4006 has 2 MA's), (64, 4186), (86, 4345), (87, 4357), (134, 4606), (143, 4675), (158, 4789), (160, 4792), (171, 4861), (185, 4924), (205, 5047), (216, 5071), (268, 5209), (288, 5281), (297, 5302), (301, 5320),

Gene: IronMan_11 Start: 6173, Stop: 7669, Start Num: 23
Candidate Starts for IronMan_11:
(Start: 23 @6173 has 243 MA's), (52, 6308), (64, 6425), (83, 6545), (86, 6584), (87, 6596), (128, 6803), (134, 6842), (143, 6911), (158, 7025), (160, 7028), (185, 7160), (205, 7283), (230, 7337), (248, 7388), (260, 7430), (280, 7496), (285, 7514), (305, 7604),

Gene: ItsyBitsy1_47 Start: 40791, Stop: 42290, Start Num: 32
Candidate Starts for ItsyBitsy1_47:
(Start: 29 @40779 has 45 MA's), (Start: 32 @40791 has 40 MA's), (52, 40902), (62, 40998), (72, 41103), (80, 41133), (85, 41178), (86, 41217), (87, 41229), (99, 41355), (102, 41364), (103, 41370), (107, 41388), (111, 41400), (113, 41403), (117, 41415), (119, 41421), (133, 41487), (138, 41538), (146, 41619), (152, 41676), (156, 41706), (161, 41727), (170, 41775), (175, 41805), (186, 41835), (188, 41841), (194, 41907), (209, 41964), (233, 42021), (240, 42039), (241, 42042), (266, 42114), (268, 42123), (270, 42132), (296, 42216),

Gene: JC27_10 Start: 5024, Stop: 6454, Start Num: 25
Candidate Starts for JC27_10:
(Start: 25 @5024 has 181 MA's), (Start: 35 @5072 has 4 MA's), (64, 5276), (83, 5378), (85, 5381), (86, 5420), (100, 5552), (134, 5675), (154, 5834), (162, 5861), (205, 6092), (220, 6125), (278, 6275), (293, 6317), (306, 6368),

Gene: Jaan_12 Start: 6539, Stop: 8053, Start Num: 23
Candidate Starts for Jaan_12:
(13, 6476), (Start: 23 @6539 has 243 MA's), (86, 6950), (87, 6962), (128, 7178), (134, 7217), (143, 7286), (160, 7403), (205, 7658), (224, 7700), (248, 7763), (285, 7889), (305, 7979), (309, 7991),

Gene: JackSparrow_9 Start: 4591, Stop: 6024, Start Num: 25
Candidate Starts for JackSparrow_9:
(Start: 25 @4591 has 181 MA's), (Start: 35 @4639 has 4 MA's), (64, 4843), (83, 4945), (85, 4948), (86, 4987), (100, 5119), (134, 5242), (154, 5401), (162, 5428), (205, 5659), (220, 5692), (278, 5842), (293, 5884), (306, 5935),

Gene: Jasper_10 Start: 4444, Stop: 5865, Start Num: 23
Candidate Starts for Jasper_10:
(Start: 23 @4444 has 243 MA's), (64, 4723), (73, 4765), (86, 4858), (100, 4960), (134, 5083), (154, 5242), (162, 5269), (180, 5356), (205, 5500), (220, 5533), (261, 5629), (278, 5683), (293, 5725), (306, 5776),

Gene: Jaykayelowell_8 Start: 3920, Stop: 5422, Start Num: 23
Candidate Starts for Jaykayelowell_8:
(Start: 23 @3920 has 243 MA's), (52, 4055), (64, 4172), (82, 4274), (83, 4292), (86, 4331), (87, 4343), (106, 4481), (128, 4550), (134, 4589), (158, 4772), (160, 4775), (185, 4907), (187, 4913), (205, 5033),

(230, 5087), (248, 5138), (268, 5201), (274, 5234),

Gene: Jeffabunny_13 Start: 5854, Stop: 7068, Start Num: 29
Candidate Starts for Jeffabunny_13:
(Start: 29 @5854 has 45 MA's), (Start: 33 @5872 has 1 MA's), (58, 6022), (60, 6037), (66, 6133), (80, 6196), (86, 6280), (87, 6292), (91, 6325), (101, 6397), (107, 6415), (136, 6529), (169, 6748), (181, 6775), (186, 6787), (188, 6793), (198, 6856), (267, 7039),

Gene: Jerm_11 Start: 5062, Stop: 6375, Start Num: 23
Candidate Starts for Jerm_11:
(Start: 23 @5062 has 243 MA's), (44, 5146), (47, 5164), (57, 5239), (75, 5380), (86, 5473), (87, 5485), (91, 5533), (122, 5629), (139, 5701), (148, 5749), (196, 5965), (197, 5968), (205, 6001), (254, 6133), (305, 6301), (311, 6337),

Gene: Jerm2_9 Start: 4320, Stop: 5741, Start Num: 23
Candidate Starts for Jerm2_9:
(Start: 23 @4320 has 243 MA's), (64, 4599), (73, 4641), (86, 4734), (100, 4836), (134, 4959), (154, 5118), (162, 5145), (205, 5376), (220, 5409), (261, 5505), (278, 5559), (293, 5601), (306, 5652),

Gene: JetBlade_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for JetBlade_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Jobypre_26 Start: 24962, Stop: 26434, Start Num: 25
Candidate Starts for Jobypre_26:
(Start: 25 @24962 has 181 MA's), (Start: 35 @25010 has 4 MA's), (47, 25064), (51, 25094), (52, 25097), (57, 25139), (64, 25214), (86, 25358), (88, 25370), (134, 25598), (144, 25667), (160, 25784), (185, 25916), (187, 25922), (205, 26042), (220, 26075), (225, 26087), (248, 26147), (273, 26225), (310, 26390),

Gene: Jolie1_040 Start: 38349, Stop: 39818, Start Num: 31
Candidate Starts for Jolie1_040:
(Start: 29 @38343 has 45 MA's), (Start: 31 @38349 has 1 MA's), (Start: 32 @38355 has 40 MA's), (Start: 33 @38361 has 1 MA's), (57, 38508), (58, 38511), (72, 38655), (79, 38676), (80, 38685), (83, 38715), (86, 38757), (87, 38769), (91, 38808), (99, 38898), (107, 38952), (131, 39051), (134, 39078), (135, 39093), (146, 39198), (149, 39222), (152, 39255), (156, 39285), (161, 39306), (174, 39384), (191, 39432), (201, 39522), (209, 39543), (232, 39597), (237, 39609), (239, 39612), (251, 39654), (277, 39732),

Gene: JoongJeon_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for JoongJeon_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Jorgensen_9 Start: 4357, Stop: 5826, Start Num: 25
Candidate Starts for Jorgensen_9:
(Start: 25 @4357 has 181 MA's), (Start: 35 @4405 has 4 MA's), (64, 4609), (83, 4711), (85, 4714), (86, 4753), (100, 4885), (134, 5008), (154, 5167), (162, 5194), (176, 5269), (177, 5278), (205, 5461), (220, 5494), (278, 5644), (293, 5686), (306, 5737),

Gene: JoshKayV_11 Start: 5075, Stop: 6388, Start Num: 23
Candidate Starts for JoshKayV_11:
(Start: 23 @5075 has 243 MA's), (47, 5177), (57, 5252), (75, 5393), (86, 5486), (87, 5498), (91, 5546), (112, 5618), (122, 5630), (197, 5969), (205, 6002), (231, 6056), (248, 6107), (262, 6152), (268, 6170), (285, 6233),

Gene: Jubie_26 Start: 24963, Stop: 26435, Start Num: 25
Candidate Starts for Jubie_26:
(Start: 25 @24963 has 181 MA's), (Start: 35 @25011 has 4 MA's), (47, 25065), (51, 25095), (52, 25098), (57, 25140), (64, 25215), (86, 25359), (88, 25371), (134, 25599), (144, 25668), (160, 25785), (185, 25917), (187, 25923), (205, 26043), (220, 26076), (225, 26088), (248, 26148), (273, 26226), (310, 26391),

Gene: JuliaChild_11 Start: 5068, Stop: 6501, Start Num: 25
Candidate Starts for JuliaChild_11:
(Start: 25 @5068 has 181 MA's), (Start: 35 @5116 has 4 MA's), (64, 5320), (83, 5422), (85, 5425), (86, 5464), (134, 5719), (154, 5878), (162, 5905), (205, 6136), (220, 6169), (261, 6265), (278, 6319), (293, 6361), (306, 6412),

Gene: Junimo_7 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Junimo_7:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: KBG_10 Start: 5540, Stop: 6934, Start Num: 30
Candidate Starts for KBG_10:
(20, 5498), (Start: 30 @5540 has 10 MA's), (46, 5618), (64, 5774), (85, 5879), (86, 5918), (134, 6152), (154, 6311), (162, 6338), (205, 6569), (220, 6602), (278, 6752), (293, 6794), (306, 6845),

Gene: KFPoly_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for KFPoly_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: KSSJEB_8 Start: 4068, Stop: 5501, Start Num: 25
Candidate Starts for KSSJEB_8:
(Start: 25 @4068 has 181 MA's), (Start: 35 @4116 has 4 MA's), (47, 4170), (64, 4320), (83, 4422), (85, 4425), (86, 4464), (134, 4719), (154, 4878), (162, 4905), (205, 5136), (220, 5169), (261, 5265), (278, 5319), (293, 5361), (306, 5412),

Gene: Kaleb_47 Start: 40924, Stop: 42423, Start Num: 32
Candidate Starts for Kaleb_47:
(Start: 29 @40912 has 45 MA's), (Start: 32 @40924 has 40 MA's), (52, 41035), (62, 41131), (72, 41236), (80, 41266), (85, 41311), (86, 41350), (87, 41362), (99, 41488), (102, 41497), (103, 41503), (107, 41521), (111, 41533), (113, 41536), (117, 41548), (119, 41554), (133, 41620), (138, 41671), (146, 41752), (152, 41809), (156, 41839), (161, 41860), (170, 41908), (175, 41938), (186, 41968), (188, 41974), (194, 42040), (209, 42097), (233, 42154), (240, 42172), (241, 42175), (266, 42247), (268, 42256), (270, 42265), (296, 42349),

Gene: Kampy_8 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for Kampy_8:

(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (83, 4294), (86, 4333), (87, 4345), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Kanely_10 Start: 5178, Stop: 6611, Start Num: 25
Candidate Starts for Kanely_10:
(Start: 25 @5178 has 181 MA's), (Start: 35 @5226 has 4 MA's), (64, 5430), (83, 5532), (85, 5535), (86, 5574), (134, 5829), (154, 5988), (162, 6015), (205, 6246), (220, 6279), (278, 6429), (293, 6471), (306, 6522),

Gene: Katalie136_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for Katalie136_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (280, 5262), (285, 5280), (300, 5346), (305, 5367),

Gene: KayaCho_40 Start: 38353, Stop: 39822, Start Num: 31
Candidate Starts for KayaCho_40:
(14, 38296), (Start: 29 @38347 has 45 MA's), (Start: 31 @38353 has 1 MA's), (Start: 33 @38365 has 1 MA's), (72, 38659), (80, 38689), (83, 38719), (85, 38722), (86, 38761), (87, 38773), (99, 38902), (107, 38956), (115, 38980), (119, 38998), (131, 39055), (134, 39082), (135, 39097), (146, 39202), (161, 39310), (167, 39349), (174, 39388), (191, 39436), (201, 39526), (209, 39547), (232, 39601), (237, 39613), (239, 39616), (251, 39658), (277, 39736),

Gene: KekoraPapaka_7 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for KekoraPapaka_7:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Kenmech_11 Start: 5192, Stop: 6613, Start Num: 23
Candidate Starts for Kenmech_11:
(15, 5156), (Start: 19 @5165 has 3 MA's), (Start: 23 @5192 has 243 MA's), (64, 5471), (73, 5513), (86, 5606), (100, 5708), (134, 5831), (154, 5990), (162, 6017), (205, 6248), (220, 6281), (261, 6377), (278, 6431), (293, 6473), (306, 6524),

Gene: Kheth_47 Start: 40842, Stop: 42341, Start Num: 32
Candidate Starts for Kheth_47:
(Start: 29 @40830 has 45 MA's), (Start: 32 @40842 has 40 MA's), (52, 40953), (62, 41049), (72, 41154), (80, 41184), (85, 41229), (86, 41268), (87, 41280), (99, 41406), (102, 41415), (103, 41421), (107, 41439), (111, 41451), (113, 41454), (117, 41466), (119, 41472), (133, 41538), (146, 41670), (152, 41727), (156, 41757), (161, 41778), (170, 41826), (175, 41856), (186, 41886), (188, 41892), (194, 41958), (209, 42015), (233, 42072), (240, 42090), (241, 42093), (266, 42165), (268, 42174), (270, 42183), (296, 42267),

Gene: KikiBouba_11 Start: 5167, Stop: 6588, Start Num: 23
Candidate Starts for KikiBouba_11:
(15, 5131), (Start: 19 @5140 has 3 MA's), (Start: 23 @5167 has 243 MA's), (64, 5446), (73, 5488), (86, 5581), (100, 5683), (134, 5806), (154, 5965), (162, 5992), (205, 6223), (220, 6256), (278, 6406), (293, 6448), (306, 6499),

Gene: Killigrew_7 Start: 4043, Stop: 5476, Start Num: 25
Candidate Starts for Killigrew_7:

(Start: 25 @4043 has 181 MA's), (Start: 35 @4091 has 4 MA's), (47, 4145), (64, 4295), (83, 4397), (85, 4400), (86, 4439), (134, 4694), (154, 4853), (162, 4880), (180, 4967), (205, 5111), (220, 5144), (261, 5240), (278, 5294), (293, 5336), (306, 5387),

Gene: KingCyrus_11 Start: 5054, Stop: 6376, Start Num: 23
Candidate Starts for KingCyrus_11:
(Start: 23 @5054 has 243 MA's), (44, 5138), (47, 5156), (57, 5231), (69, 5339), (75, 5372), (86, 5465), (87, 5477), (91, 5525), (112, 5597), (122, 5609), (197, 5948), (205, 5981), (231, 6035), (248, 6086), (260, 6128), (264, 6134), (285, 6212), (305, 6302), (309, 6314),

Gene: Kingmustik0402_8 Start: 3913, Stop: 5415, Start Num: 23
Candidate Starts for Kingmustik0402_8:
(Start: 23 @3913 has 243 MA's), (52, 4048), (64, 4165), (83, 4285), (86, 4324), (87, 4336), (106, 4474), (128, 4543), (134, 4582), (158, 4765), (160, 4768), (185, 4900), (187, 4906), (205, 5026), (230, 5080), (248, 5131), (268, 5194), (274, 5227),

Gene: Kingsolomon_26 Start: 24962, Stop: 26434, Start Num: 25
Candidate Starts for Kingsolomon_26:
(Start: 25 @24962 has 181 MA's), (Start: 35 @25010 has 4 MA's), (47, 25064), (51, 25094), (52, 25097), (57, 25139), (64, 25214), (86, 25358), (88, 25370), (134, 25598), (144, 25667), (160, 25784), (185, 25916), (187, 25922), (205, 26042), (220, 26075), (225, 26087), (248, 26147), (273, 26225), (310, 26390),

Gene: KirDoubleO7_24 Start: 24954, Stop: 26426, Start Num: 25
Candidate Starts for KirDoubleO7_24:
(Start: 25 @24954 has 181 MA's), (Start: 35 @25002 has 4 MA's), (47, 25056), (51, 25086), (52, 25089), (64, 25206), (86, 25350), (88, 25362), (134, 25590), (144, 25659), (160, 25776), (185, 25908), (186, 25911), (187, 25914), (205, 26034), (220, 26067), (225, 26079), (248, 26139), (273, 26217), (310, 26382),

Gene: KittenMittens_8 Start: 2285, Stop: 3781, Start Num: 29
Candidate Starts for KittenMittens_8:
(Start: 29 @2285 has 45 MA's), (Start: 33 @2303 has 1 MA's), (58, 2453), (66, 2564), (72, 2597), (79, 2618), (86, 2711), (87, 2723), (91, 2756), (134, 2963), (155, 3155), (159, 3170), (165, 3197), (185, 3281), (187, 3287), (203, 3407), (213, 3431), (219, 3443), (230, 3470), (259, 3560), (266, 3575), (281, 3632), (302, 3713),

Gene: Knocker_48 Start: 42235, Stop: 43773, Start Num: 29
Candidate Starts for Knocker_48:
(Start: 29 @42235 has 45 MA's), (Start: 32 @42247 has 40 MA's), (Start: 33 @42253 has 1 MA's), (46, 42319), (52, 42358), (55, 42379), (64, 42487), (68, 42523), (72, 42559), (80, 42589), (83, 42619), (86, 42661), (87, 42673), (91, 42715), (107, 42859), (119, 42907), (126, 42946), (134, 42988), (135, 43003), (153, 43174), (161, 43213), (164, 43231), (172, 43279), (178, 43297), (208, 43456), (212, 43465), (243, 43546), (245, 43555), (250, 43570), (255, 43579), (257, 43588), (263, 43600), (286, 43678),

Gene: Koan_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Koan_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Kolhan_47 Start: 40797, Stop: 42296, Start Num: 32

Candidate Starts for Kolhan_47:
(Start: 29 @40785 has 45 MA's), (Start: 32 @40797 has 40 MA's), (52, 40908), (62, 41004), (72, 41109), (80, 41139), (85, 41184), (86, 41223), (87, 41235), (99, 41361), (102, 41370), (103, 41376), (107, 41394), (111, 41406), (113, 41409), (117, 41421), (119, 41427), (133, 41493), (146, 41625), (152, 41682), (156, 41712), (161, 41733), (170, 41781), (175, 41811), (186, 41841), (188, 41847), (194, 41913), (209, 41970), (233, 42027), (240, 42045), (241, 42048), (266, 42120), (268, 42129), (270, 42138), (296, 42222),

Gene: Koreni_7 Start: 3570, Stop: 5072, Start Num: 23
Candidate Starts for Koreni_7:
(Start: 23 @3570 has 243 MA's), (52, 3705), (64, 3822), (83, 3942), (86, 3981), (87, 3993), (106, 4131), (128, 4200), (134, 4239), (158, 4422), (160, 4425), (185, 4557), (187, 4563), (205, 4683), (230, 4737), (248, 4788), (268, 4851), (274, 4884),

Gene: Kratark_8 Start: 3925, Stop: 5427, Start Num: 23
Candidate Starts for Kratark_8:
(Start: 23 @3925 has 243 MA's), (52, 4060), (64, 4177), (83, 4297), (86, 4336), (87, 4348), (128, 4555), (134, 4594), (158, 4777), (160, 4780), (185, 4912), (187, 4918), (205, 5038), (230, 5092), (248, 5143), (268, 5206), (274, 5239),

Gene: Kremtemulon_8 Start: 4029, Stop: 5504, Start Num: 23
Candidate Starts for Kremtemulon_8:
(13, 3966), (Start: 23 @4029 has 243 MA's), (64, 4281), (86, 4440), (87, 4452), (134, 4701), (143, 4770), (158, 4884), (160, 4887), (185, 5019), (198, 5112), (205, 5142), (216, 5166), (235, 5205), (268, 5304), (297, 5397),

Gene: Krypton555_26 Start: 24866, Stop: 26338, Start Num: 25
Candidate Starts for Krypton555_26:
(Start: 25 @24866 has 181 MA's), (Start: 35 @24914 has 4 MA's), (47, 24968), (52, 25001), (64, 25118), (82, 25202), (86, 25262), (88, 25274), (91, 25304), (134, 25502), (160, 25688), (185, 25820), (186, 25823), (187, 25826), (205, 25946), (220, 25979), (248, 26051), (273, 26129), (310, 26294),

Gene: Kugel_10 Start: 4656, Stop: 6068, Start Num: 25
Candidate Starts for Kugel_10:
(Start: 25 @4656 has 181 MA's), (Start: 35 @4704 has 4 MA's), (64, 4908), (80, 4980), (85, 5013), (86, 5052), (134, 5286), (154, 5445), (162, 5472), (205, 5703), (220, 5736), (278, 5886), (293, 5928), (306, 5979),

Gene: KyMonks1A_11 Start: 4912, Stop: 6345, Start Num: 25
Candidate Starts for KyMonks1A_11:
(Start: 25 @4912 has 181 MA's), (Start: 35 @4960 has 4 MA's), (64, 5164), (80, 5236), (86, 5308), (134, 5563), (154, 5722), (162, 5749), (205, 5980), (220, 6013), (261, 6109), (278, 6163), (293, 6205), (306, 6256),

Gene: Kyee_8 Start: 3925, Stop: 5424, Start Num: 23
Candidate Starts for Kyee_8:
(Start: 23 @3925 has 243 MA's), (52, 4060), (64, 4177), (83, 4297), (86, 4336), (87, 4348), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Kykar_7 Start: 4132, Stop: 5565, Start Num: 25
Candidate Starts for Kykar_7:

(Start: 25 @4132 has 181 MA's), (Start: 35 @4180 has 4 MA's), (64, 4384), (83, 4486), (85, 4489), (86, 4528), (134, 4783), (154, 4942), (162, 4969), (205, 5200), (220, 5233), (278, 5383), (293, 5425), (306, 5476),

Gene: LHTSCC_8 Start: 3928, Stop: 5409, Start Num: 23
Candidate Starts for LHTSCC_8:
(Start: 23 @3928 has 243 MA's), (Start: 41 @4006 has 2 MA's), (64, 4186), (86, 4345), (87, 4357), (134, 4606), (143, 4675), (158, 4789), (160, 4792), (171, 4861), (185, 4924), (205, 5047), (216, 5071), (268, 5209), (288, 5281), (297, 5302), (301, 5320),

Gene: Lamina13_9 Start: 4188, Stop: 5621, Start Num: 25
Candidate Starts for Lamina13_9:
(Start: 25 @4188 has 181 MA's), (Start: 35 @4236 has 4 MA's), (64, 4440), (83, 4542), (85, 4545), (86, 4584), (134, 4839), (154, 4998), (162, 5025), (205, 5256), (220, 5289), (261, 5385), (278, 5439), (293, 5481), (306, 5532),

Gene: Landor_10 Start: 6212, Stop: 7720, Start Num: 23
Candidate Starts for Landor_10:
(13, 6149), (Start: 23 @6212 has 243 MA's), (52, 6347), (83, 6584), (86, 6623), (87, 6635), (128, 6851), (134, 6890), (143, 6959), (158, 7073), (160, 7076), (185, 7208), (205, 7334), (225, 7379), (230, 7388), (248, 7439), (260, 7481), (285, 7565), (305, 7655),

Gene: LappelDuVide_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for LappelDuVide_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Larenn_10 Start: 4779, Stop: 6293, Start Num: 29
Candidate Starts for Larenn_10:
(Start: 29 @4779 has 45 MA's), (Start: 33 @4797 has 1 MA's), (38, 4824), (58, 4947), (66, 5058), (72, 5103), (86, 5217), (87, 5229), (91, 5262), (104, 5361), (121, 5418), (134, 5469), (185, 5787), (203, 5913), (207, 5922), (216, 5946), (228, 5979), (235, 5994), (268, 6093), (270, 6102), (303, 6222),

Gene: Lars_47 Start: 40914, Stop: 42413, Start Num: 32
Candidate Starts for Lars_47:
(Start: 29 @40902 has 45 MA's), (Start: 32 @40914 has 40 MA's), (52, 41025), (62, 41121), (72, 41226), (80, 41256), (85, 41301), (86, 41340), (87, 41352), (99, 41478), (102, 41487), (103, 41493), (107, 41511), (111, 41523), (113, 41526), (117, 41538), (119, 41544), (133, 41610), (146, 41742), (152, 41799), (156, 41829), (161, 41850), (170, 41898), (175, 41928), (186, 41958), (188, 41964), (194, 42030), (209, 42087), (233, 42144), (240, 42162), (241, 42165), (266, 42237), (268, 42246), (270, 42255), (296, 42339),

Gene: Laurie_46 Start: 40313, Stop: 41812, Start Num: 32
Candidate Starts for Laurie_46:
(Start: 29 @40301 has 45 MA's), (Start: 32 @40313 has 40 MA's), (52, 40424), (62, 40520), (72, 40625), (80, 40655), (85, 40700), (86, 40739), (87, 40751), (99, 40877), (102, 40886), (103, 40892), (107, 40910), (111, 40922), (113, 40925), (117, 40937), (119, 40943), (133, 41009), (146, 41141), (152, 41198), (156, 41228), (161, 41249), (170, 41297), (175, 41327), (186, 41357), (188, 41363), (194, 41429), (209, 41486), (233, 41543), (240, 41561), (241, 41564), (266, 41636), (268, 41645), (270, 41654), (296, 41738),

Gene: Lemur_8 Start: 3921, Stop: 5423, Start Num: 23

Candidate Starts for Lemur_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: LeoAvram_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for LeoAvram_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Leogania_11 Start: 6625, Stop: 8109, Start Num: 23
Candidate Starts for Leogania_11:
(Start: 23 @6625 has 243 MA's), (46, 6727), (64, 6883), (74, 6943), (86, 7024), (87, 7036), (124, 7228), (134, 7279), (156, 7489), (161, 7510), (172, 7576), (188, 7627), (195, 7699), (198, 7711), (199, 7714), (205, 7747), (216, 7771), (226, 7795), (268, 7909), (270, 7918), (280, 7954), (301, 8020),

Gene: Lephleur_47 Start: 40807, Stop: 42306, Start Num: 32
Candidate Starts for Lephleur_47:
(Start: 29 @40795 has 45 MA's), (Start: 32 @40807 has 40 MA's), (52, 40918), (62, 41014), (72, 41119), (80, 41149), (85, 41194), (86, 41233), (87, 41245), (99, 41371), (102, 41380), (103, 41386), (107, 41404), (111, 41416), (113, 41419), (117, 41431), (119, 41437), (133, 41503), (146, 41635), (152, 41692), (156, 41722), (161, 41743), (170, 41791), (175, 41821), (186, 41851), (188, 41857), (194, 41923), (209, 41980), (233, 42037), (240, 42055), (241, 42058), (266, 42130), (268, 42139), (270, 42148), (296, 42232),

Gene: Lesedi_8 Start: 4347, Stop: 5780, Start Num: 25
Candidate Starts for Lesedi_8:
(Start: 25 @4347 has 181 MA's), (Start: 35 @4395 has 4 MA's), (64, 4599), (83, 4701), (85, 4704), (86, 4743), (134, 4998), (154, 5157), (162, 5184), (205, 5415), (220, 5448), (261, 5544), (278, 5598), (293, 5640), (306, 5691),

Gene: Levia_8 Start: 4066, Stop: 5499, Start Num: 25
Candidate Starts for Levia_8:
(Start: 25 @4066 has 181 MA's), (Start: 35 @4114 has 4 MA's), (64, 4318), (85, 4423), (86, 4462), (134, 4717), (154, 4876), (162, 4903), (205, 5134), (220, 5167), (278, 5317), (293, 5359), (306, 5410),

Gene: Leviathan_11 Start: 5109, Stop: 6431, Start Num: 23
Candidate Starts for Leviathan_11:
(Start: 23 @5109 has 243 MA's), (44, 5193), (47, 5211), (57, 5286), (75, 5427), (86, 5520), (87, 5532), (91, 5580), (122, 5676), (139, 5748), (148, 5796), (197, 6015), (205, 6048), (231, 6102), (248, 6153), (262, 6198), (268, 6216), (285, 6279), (305, 6366),

Gene: Licorice_11 Start: 5216, Stop: 6637, Start Num: 23
Candidate Starts for Licorice_11:
(Start: 23 @5216 has 243 MA's), (64, 5495), (73, 5537), (86, 5630), (100, 5732), (134, 5855), (154, 6014), (162, 6041), (180, 6128), (205, 6272), (220, 6305), (261, 6401), (278, 6455), (293, 6497), (306, 6548),

Gene: LilBib_9 Start: 4956, Stop: 6371, Start Num: 23
Candidate Starts for LilBib_9:
(15, 4920), (Start: 19 @4929 has 3 MA's), (Start: 23 @4956 has 243 MA's), (64, 5235), (73, 5277), (86, 5370), (100, 5472), (134, 5595), (154, 5754), (162, 5781), (205, 6012), (220, 6045), (261, 6141), (278,

6195), (293, 6237), (306, 6288),

Gene: LilMcDreamy_44 Start: 40112, Stop: 41641, Start Num: 27
Candidate Starts for LilMcDreamy_44:
(Start: 27 @40112 has 2 MA's), (Start: 29 @40118 has 45 MA's), (Start: 32 @40130 has 40 MA's), (Start: 33 @40136 has 1 MA's), (46, 40202), (72, 40430), (80, 40460), (83, 40490), (86, 40532), (87, 40544), (96, 40649), (107, 40730), (119, 40769), (134, 40850), (135, 40865), (152, 41030), (156, 41060), (161, 41081), (162, 41084), (170, 41129), (174, 41159), (187, 41192), (209, 41345), (215, 41357), (237, 41411), (239, 41414), (269, 41507),

Gene: LilSmirk_47 Start: 40801, Stop: 42300, Start Num: 32
Candidate Starts for LilSmirk_47:
(Start: 29 @40789 has 45 MA's), (Start: 32 @40801 has 40 MA's), (52, 40912), (62, 41008), (72, 41113), (80, 41143), (85, 41188), (86, 41227), (87, 41239), (99, 41365), (102, 41374), (103, 41380), (107, 41398), (111, 41410), (113, 41413), (117, 41425), (119, 41431), (133, 41497), (146, 41629), (152, 41686), (156, 41716), (161, 41737), (170, 41785), (175, 41815), (186, 41845), (188, 41851), (194, 41917), (209, 41974), (233, 42031), (240, 42049), (241, 42052), (266, 42124), (268, 42133), (270, 42142), (296, 42226),

Gene: LilTurb_11 Start: 5121, Stop: 6434, Start Num: 23
Candidate Starts for LilTurb_11:
(Start: 23 @5121 has 243 MA's), (44, 5205), (47, 5223), (57, 5298), (75, 5439), (86, 5532), (87, 5544), (91, 5592), (120, 5676), (122, 5688), (139, 5760), (148, 5808), (197, 6027), (205, 6060), (254, 6192), (305, 6360), (311, 6396),

Gene: Lilbunny_13 Start: 5832, Stop: 7046, Start Num: 29
Candidate Starts for Lilbunny_13:
(Start: 29 @5832 has 45 MA's), (Start: 33 @5850 has 1 MA's), (58, 6000), (66, 6111), (72, 6144), (80, 6174), (86, 6258), (87, 6270), (91, 6303), (101, 6375), (107, 6393), (130, 6459), (136, 6507), (169, 6726), (181, 6753), (186, 6765), (188, 6771), (198, 6834), (267, 7017),

Gene: LittleB_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for LittleB_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: LittleGuy_8 Start: 3918, Stop: 5402, Start Num: 23
Candidate Starts for LittleGuy_8:
(Start: 23 @3918 has 243 MA's), (Start: 41 @3996 has 2 MA's), (52, 4053), (64, 4170), (83, 4290), (86, 4329), (87, 4341), (134, 4584), (143, 4653), (156, 4755), (158, 4767), (160, 4770), (168, 4818), (185, 4902), (198, 4995), (205, 5028), (255, 5160), (265, 5190), (273, 5217), (280, 5244), (305, 5328),

Gene: LittleMinkey_52 Start: 39870, Stop: 41387, Start Num: 29
Candidate Starts for LittleMinkey_52:
(2, 39030), (3, 39057), (6, 39414), (8, 39444), (9, 39501), (11, 39759), (16, 39816), (Start: 29 @39870 has 45 MA's), (Start: 32 @39882 has 40 MA's), (52, 39993), (55, 40014), (67, 40155), (79, 40203), (80, 40212), (83, 40242), (86, 40284), (87, 40296), (107, 40479), (134, 40599), (152, 40779), (174, 40908), (209, 41064), (245, 41160), (252, 41181), (268, 41226), (279, 41265), (308, 41373),

Gene: LiyuLake_26 Start: 24924, Stop: 26396, Start Num: 25
Candidate Starts for LiyuLake_26:

(Start: 25 @24924 has 181 MA's), (Start: 35 @24972 has 4 MA's), (47, 25026), (51, 25056), (52, 25059), (64, 25176), (86, 25320), (88, 25332), (134, 25560), (144, 25629), (154, 25728), (160, 25746), (185, 25878), (186, 25881), (187, 25884), (205, 26004), (220, 26037), (225, 26049), (248, 26109), (273, 26187), (310, 26352),

Gene: LizLemon_47 Start: 40923, Stop: 42422, Start Num: 32
Candidate Starts for LizLemon_47:
(Start: 29 @40911 has 45 MA's), (Start: 32 @40923 has 40 MA's), (52, 41034), (62, 41130), (72, 41235), (80, 41265), (82, 41277), (85, 41310), (86, 41349), (87, 41361), (99, 41487), (102, 41496), (103, 41502), (107, 41520), (111, 41532), (113, 41535), (117, 41547), (119, 41553), (133, 41619), (146, 41751), (152, 41808), (156, 41838), (161, 41859), (170, 41907), (175, 41937), (186, 41967), (188, 41973), (194, 42039), (209, 42096), (233, 42153), (240, 42171), (241, 42174), (266, 42246), (268, 42255), (270, 42264), (296, 42348),

Gene: LochMonster_8 Start: 3926, Stop: 5407, Start Num: 23
Candidate Starts for LochMonster_8:
(Start: 23 @3926 has 243 MA's), (Start: 41 @4004 has 2 MA's), (64, 4184), (86, 4343), (87, 4355), (134, 4604), (143, 4673), (156, 4775), (158, 4787), (160, 4790), (171, 4859), (185, 4922), (195, 5003), (205, 5045), (216, 5069), (268, 5207), (270, 5216), (288, 5279), (297, 5300), (301, 5318),

Gene: Lockley_9 Start: 4538, Stop: 5959, Start Num: 23
Candidate Starts for Lockley_9:
(Start: 23 @4538 has 243 MA's), (64, 4817), (73, 4859), (86, 4952), (100, 5054), (134, 5177), (154, 5336), (162, 5363), (180, 5450), (205, 5594), (220, 5627), (278, 5777), (293, 5819), (306, 5870),

Gene: Lokk_12 Start: 6417, Stop: 7715, Start Num: 23
Candidate Starts for Lokk_12:
(Start: 23 @6417 has 243 MA's), (47, 6519), (69, 6702), (74, 6729), (86, 6828), (87, 6840), (91, 6888), (122, 6981), (127, 6987), (139, 7053), (197, 7320), (205, 7353), (217, 7377), (268, 7515), (270, 7524), (305, 7644),

Gene: Lolly9_26 Start: 24741, Stop: 26216, Start Num: 25
Candidate Starts for Lolly9_26:
(Start: 25 @24741 has 181 MA's), (Start: 35 @24789 has 4 MA's), (47, 24843), (52, 24876), (64, 24993), (81, 25074), (86, 25137), (88, 25149), (91, 25179), (134, 25377), (160, 25563), (185, 25695), (186, 25698), (187, 25701), (205, 25821), (220, 25854), (248, 25926), (257, 25959), (262, 25971), (282, 26043), (310, 26172),

Gene: Lopton_10 Start: 4943, Stop: 6364, Start Num: 23
Candidate Starts for Lopton_10:
(Start: 23 @4943 has 243 MA's), (64, 5222), (73, 5264), (86, 5357), (100, 5459), (134, 5582), (154, 5741), (162, 5768), (205, 5999), (220, 6032), (261, 6128), (278, 6182), (293, 6224), (306, 6275),

Gene: Lorenzo_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Lorenzo_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Lucky2013_47 Start: 37834, Stop: 39222, Start Num: 23
Candidate Starts for Lucky2013_47:
(Start: 23 @37834 has 243 MA's), (Start: 35 @37885 has 4 MA's), (46, 37933), (62, 38056), (64, 38089), (70, 38122), (85, 38194), (86, 38233), (122, 38431), (124, 38443), (133, 38479), (134, 38494),

(156, 38656), (162, 38680), (176, 38767), (205, 38947), (214, 38968), (272, 39100), (273, 39103), (278, 39118), (279, 39121), (303, 39187),

Gene: Lucyedi_11 Start: 5814, Stop: 7079, Start Num: 29
Candidate Starts for Lucyedi_11:
(Start: 29 @5814 has 45 MA's), (Start: 33 @5832 has 1 MA's), (56, 5970), (58, 5982), (66, 6093), (72, 6126), (86, 6240), (87, 6252), (91, 6285), (104, 6369), (105, 6372), (107, 6378), (110, 6387), (130, 6444), (136, 6492), (169, 6711), (173, 6738), (182, 6762), (190, 6786), (202, 6879), (233, 6945), (246, 6984), (249, 6990),

Gene: Lumos_26 Start: 24959, Stop: 26431, Start Num: 25
Candidate Starts for Lumos_26:
(Start: 25 @24959 has 181 MA's), (Start: 35 @25007 has 4 MA's), (47, 25061), (51, 25091), (52, 25094), (57, 25136), (64, 25211), (86, 25355), (88, 25367), (134, 25595), (144, 25664), (160, 25781), (185, 25913), (187, 25919), (205, 26039), (220, 26072), (225, 26084), (248, 26144), (273, 26222), (310, 26387),

Gene: LunarLander_9 Start: 4335, Stop: 5747, Start Num: 25
Candidate Starts for LunarLander_9:
(Start: 25 @4335 has 181 MA's), (Start: 35 @4383 has 4 MA's), (64, 4587), (80, 4659), (85, 4692), (86, 4731), (134, 4965), (154, 5124), (162, 5151), (180, 5238), (205, 5382), (220, 5415), (261, 5511), (278, 5565), (293, 5607), (306, 5658),

Gene: Lunsford_9 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Lunsford_9:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: MPlant7149_8 Start: 4176, Stop: 5597, Start Num: 23
Candidate Starts for MPlant7149_8:
(Start: 23 @4176 has 243 MA's), (64, 4455), (73, 4497), (86, 4590), (100, 4692), (134, 4815), (154, 4974), (162, 5001), (205, 5232), (220, 5265), (261, 5361), (278, 5415), (293, 5457), (306, 5508),

Gene: Magnar_9 Start: 4318, Stop: 5751, Start Num: 25
Candidate Starts for Magnar_9:
(Start: 25 @4318 has 181 MA's), (Start: 35 @4366 has 4 MA's), (64, 4570), (83, 4672), (85, 4675), (86, 4714), (134, 4969), (154, 5128), (162, 5155), (205, 5386), (220, 5419), (278, 5569), (293, 5611), (306, 5662),

Gene: Magnito_8 Start: 4063, Stop: 5496, Start Num: 25
Candidate Starts for Magnito_8:
(Start: 25 @4063 has 181 MA's), (Start: 35 @4111 has 4 MA's), (64, 4315), (83, 4417), (85, 4420), (86, 4459), (134, 4714), (154, 4873), (162, 4900), (205, 5131), (220, 5164), (278, 5314), (293, 5356), (306, 5407),

Gene: Makemake_9 Start: 4773, Stop: 6206, Start Num: 25
Candidate Starts for Makemake_9:
(Start: 25 @4773 has 181 MA's), (Start: 35 @4821 has 4 MA's), (64, 5025), (83, 5127), (85, 5130), (86, 5169), (134, 5424), (154, 5583), (162, 5610), (180, 5697), (205, 5841), (220, 5874), (278, 6024), (293, 6066), (306, 6117),

Gene: Malec_10 Start: 4784, Stop: 6298, Start Num: 29

Candidate Starts for Malec_10:
(Start: 29 @4784 has 45 MA's), (Start: 33 @4802 has 1 MA's), (38, 4829), (58, 4952), (66, 5063), (72, 5108), (86, 5222), (87, 5234), (91, 5267), (104, 5366), (121, 5423), (134, 5474), (185, 5792), (203, 5918), (207, 5927), (216, 5951), (228, 5984), (235, 5999), (268, 6098), (270, 6107), (303, 6227),

Gene: Manatee_9 Start: 4272, Stop: 5693, Start Num: 23
Candidate Starts for Manatee_9:
(Start: 23 @4272 has 243 MA's), (64, 4551), (73, 4593), (86, 4686), (100, 4788), (134, 4911), (154, 5070), (162, 5097), (205, 5328), (220, 5361), (261, 5457), (278, 5511), (293, 5553), (306, 5604),

Gene: Marcell_9 Start: 4523, Stop: 5956, Start Num: 25
Candidate Starts for Marcell_9:
(Start: 25 @4523 has 181 MA's), (Start: 35 @4571 has 4 MA's), (64, 4775), (83, 4877), (85, 4880), (86, 4919), (134, 5174), (154, 5333), (162, 5360), (205, 5591), (220, 5624), (278, 5774), (293, 5816), (304, 5852), (306, 5867),

Gene: Marchy_8 Start: 4150, Stop: 5583, Start Num: 25
Candidate Starts for Marchy_8:
(Start: 25 @4150 has 181 MA's), (Start: 35 @4198 has 4 MA's), (64, 4402), (83, 4504), (85, 4507), (86, 4546), (134, 4801), (154, 4960), (162, 4987), (205, 5218), (220, 5251), (261, 5347), (278, 5401), (293, 5443), (306, 5494),

Gene: Marco3_9 Start: 4816, Stop: 6228, Start Num: 25
Candidate Starts for Marco3_9:
(Start: 25 @4816 has 181 MA's), (Start: 35 @4864 has 4 MA's), (64, 5068), (80, 5140), (85, 5173), (86, 5212), (134, 5446), (154, 5605), (162, 5632), (205, 5863), (220, 5896), (261, 5992), (278, 6046), (293, 6088), (304, 6124), (306, 6139),

Gene: Marge_9 Start: 4544, Stop: 5977, Start Num: 25
Candidate Starts for Marge_9:
(Start: 25 @4544 has 181 MA's), (Start: 35 @4592 has 4 MA's), (64, 4796), (83, 4898), (85, 4901), (86, 4940), (134, 5195), (154, 5354), (162, 5381), (205, 5612), (220, 5645), (261, 5741), (278, 5795), (293, 5837), (306, 5888),

Gene: Marleymoo_49 Start: 40723, Stop: 42099, Start Num: 23
Candidate Starts for Marleymoo_49:
(Start: 23 @40723 has 243 MA's), (Start: 35 @40774 has 4 MA's), (Start: 41 @40801 has 2 MA's), (46, 40822), (64, 40978), (86, 41122), (100, 41257), (123, 41326), (134, 41380), (161, 41590), (166, 41617), (205, 41824), (214, 41845), (272, 41977), (278, 41995), (279, 41998), (291, 42025),

Gene: Maroc7_8 Start: 4336, Stop: 5769, Start Num: 25
Candidate Starts for Maroc7_8:
(Start: 25 @4336 has 181 MA's), (Start: 35 @4384 has 4 MA's), (64, 4588), (83, 4690), (85, 4693), (86, 4732), (134, 4987), (154, 5146), (162, 5173), (205, 5404), (220, 5437), (261, 5533), (278, 5587), (293, 5629), (306, 5680),

Gene: Marsha_9 Start: 4792, Stop: 6213, Start Num: 23
Candidate Starts for Marsha_9:
(Start: 23 @4792 has 243 MA's), (64, 5071), (73, 5113), (86, 5206), (100, 5308), (134, 5431), (154, 5590), (162, 5617), (180, 5704), (205, 5848), (220, 5881), (261, 5977), (278, 6031), (293, 6073), (306, 6124),

Gene: MaryBeth_9 Start: 4770, Stop: 6191, Start Num: 23

Candidate Starts for MaryBeth_9:
(Start: 23 @4770 has 243 MA's), (64, 5049), (73, 5091), (86, 5184), (100, 5286), (134, 5409), (154, 5568), (162, 5595), (205, 5826), (220, 5859), (261, 5955), (278, 6009), (293, 6051), (306, 6102),

Gene: MasterPo_47 Start: 40810, Stop: 42309, Start Num: 32
Candidate Starts for MasterPo_47:
(Start: 29 @40798 has 45 MA's), (Start: 32 @40810 has 40 MA's), (52, 40921), (62, 41017), (72, 41122), (80, 41152), (85, 41197), (86, 41236), (87, 41248), (99, 41374), (102, 41383), (103, 41389), (107, 41407), (111, 41419), (113, 41422), (117, 41434), (119, 41440), (133, 41506), (146, 41638), (152, 41695), (156, 41725), (161, 41746), (170, 41794), (175, 41824), (186, 41854), (188, 41860), (194, 41926), (209, 41983), (233, 42040), (240, 42058), (241, 42061), (266, 42133), (268, 42142), (270, 42151), (296, 42235),

Gene: Maverick_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Maverick_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Maxo_8 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for Maxo_8:
(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (83, 4294), (86, 4333), (87, 4345), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Mayonnaise_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Mayonnaise_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Mazhar510_8 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for Mazhar510_8:
(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (83, 4294), (86, 4333), (87, 4345), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: McGuire_9 Start: 4305, Stop: 5738, Start Num: 25
Candidate Starts for McGuire_9:
(Start: 25 @4305 has 181 MA's), (Start: 35 @4353 has 4 MA's), (47, 4407), (64, 4557), (83, 4659), (85, 4662), (86, 4701), (134, 4956), (154, 5115), (162, 5142), (180, 5229), (205, 5373), (220, 5406), (261, 5502), (278, 5556), (293, 5598), (306, 5649),

Gene: McSinger_10 Start: 4721, Stop: 6154, Start Num: 25
Candidate Starts for McSinger_10:
(Start: 25 @4721 has 181 MA's), (Start: 35 @4769 has 4 MA's), (64, 4973), (83, 5075), (85, 5078), (86, 5117), (134, 5372), (154, 5531), (162, 5558), (180, 5645), (205, 5789), (220, 5822), (261, 5918), (278, 5972), (293, 6014), (304, 6050), (306, 6065),

Gene: Medusa_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Medusa_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034),

(230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: MeeZee_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for MeeZee_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Melvin_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Melvin_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: MetalQZJ_9 Start: 4770, Stop: 6191, Start Num: 23
Candidate Starts for MetalQZJ_9:
(Start: 23 @4770 has 243 MA's), (64, 5049), (73, 5091), (86, 5184), (100, 5286), (134, 5409), (154, 5568), (162, 5595), (205, 5826), (220, 5859), (261, 5955), (278, 6009), (293, 6051), (306, 6102),

Gene: MiaZeal_47 Start: 37509, Stop: 38897, Start Num: 23
Candidate Starts for MiaZeal_47:
(Start: 23 @37509 has 243 MA's), (Start: 35 @37560 has 4 MA's), (46, 37608), (62, 37731), (64, 37764), (70, 37797), (85, 37869), (86, 37908), (122, 38106), (124, 38118), (133, 38154), (134, 38169), (156, 38331), (162, 38355), (176, 38442), (205, 38622), (214, 38643), (272, 38775), (273, 38778), (278, 38793), (279, 38796), (303, 38862),

Gene: Michley_9 Start: 4506, Stop: 5939, Start Num: 25
Candidate Starts for Michley_9:
(Start: 25 @4506 has 181 MA's), (Start: 35 @4554 has 4 MA's), (64, 4758), (83, 4860), (85, 4863), (86, 4902), (134, 5157), (154, 5316), (162, 5343), (205, 5574), (220, 5607), (261, 5703), (278, 5757), (293, 5799), (304, 5835), (306, 5850),

Gene: Miko_12 Start: 6395, Stop: 7684, Start Num: 23
Candidate Starts for Miko_12:
(Start: 23 @6395 has 243 MA's), (47, 6497), (69, 6680), (74, 6707), (86, 6806), (87, 6818), (91, 6866), (120, 6938), (122, 6950), (132, 6971), (139, 7022), (197, 7289), (205, 7322), (217, 7346), (268, 7484), (270, 7493), (305, 7613),

Gene: MilleFeuille_8 Start: 4086, Stop: 5507, Start Num: 23
Candidate Starts for MilleFeuille_8:
(Start: 23 @4086 has 243 MA's), (64, 4365), (73, 4407), (86, 4500), (100, 4602), (134, 4725), (154, 4884), (162, 4911), (205, 5142), (220, 5175), (278, 5325), (293, 5367), (304, 5403), (306, 5418),

Gene: Millski_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Millski_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: MiniLon_26 Start: 24741, Stop: 26216, Start Num: 25
Candidate Starts for MiniLon_26:
(Start: 25 @24741 has 181 MA's), (Start: 35 @24789 has 4 MA's), (47, 24843), (52, 24876), (64, 24993), (81, 25074), (86, 25137), (88, 25149), (91, 25179), (134, 25377), (160, 25563), (185, 25695),

(186, 25698), (187, 25701), (205, 25821), (220, 25854), (248, 25926), (257, 25959), (262, 25971), (282, 26043), (310, 26172),

Gene: MiniMac_26 Start: 24742, Stop: 26217, Start Num: 25
Candidate Starts for MiniMac_26:
(Start: 25 @24742 has 181 MA's), (Start: 35 @24790 has 4 MA's), (47, 24844), (52, 24877), (64, 24994), (81, 25075), (86, 25138), (88, 25150), (91, 25180), (134, 25378), (160, 25564), (185, 25696), (186, 25699), (187, 25702), (205, 25822), (220, 25855), (248, 25927), (257, 25960), (262, 25972), (282, 26044), (310, 26173),

Gene: Minnow_41 Start: 38351, Stop: 39808, Start Num: 33
Candidate Starts for Minnow_41:
(16, 38294), (Start: 29 @38333 has 45 MA's), (Start: 31 @38339 has 1 MA's), (Start: 33 @38351 has 1 MA's), (72, 38645), (79, 38666), (80, 38675), (83, 38705), (85, 38708), (86, 38747), (87, 38759), (107, 38942), (115, 38966), (119, 38984), (134, 39068), (135, 39083), (146, 39188), (161, 39296), (167, 39335), (174, 39374), (191, 39422), (192, 39443), (201, 39512), (209, 39533), (232, 39587), (237, 39599), (239, 39602), (251, 39644), (277, 39722),

Gene: Miramae_8 Start: 3924, Stop: 5396, Start Num: 23
Candidate Starts for Miramae_8:
(Start: 23 @3924 has 243 MA's), (64, 4176), (86, 4335), (87, 4347), (134, 4593), (143, 4662), (156, 4764), (158, 4776), (160, 4779), (185, 4911), (195, 4992), (198, 5004), (205, 5034), (216, 5058), (235, 5097), (268, 5196), (280, 5241), (286, 5262),

Gene: Mkhuseli_8 Start: 4165, Stop: 5598, Start Num: 25
Candidate Starts for Mkhuseli_8:
(Start: 25 @4165 has 181 MA's), (Start: 35 @4213 has 4 MA's), (64, 4417), (83, 4519), (85, 4522), (86, 4561), (134, 4816), (154, 4975), (162, 5002), (205, 5233), (220, 5266), (278, 5416), (293, 5458), (306, 5509),

Gene: Molly_10 Start: 4366, Stop: 5799, Start Num: 25
Candidate Starts for Molly_10:
(Start: 25 @4366 has 181 MA's), (Start: 35 @4414 has 4 MA's), (47, 4468), (64, 4618), (83, 4720), (85, 4723), (86, 4762), (134, 5017), (154, 5176), (162, 5203), (205, 5434), (220, 5467), (261, 5563), (278, 5617), (293, 5659), (306, 5710),

Gene: Monet_10 Start: 5046, Stop: 6494, Start Num: 19
Candidate Starts for Monet_10:
(15, 5037), (Start: 19 @5046 has 3 MA's), (Start: 23 @5073 has 243 MA's), (64, 5352), (73, 5394), (86, 5487), (100, 5589), (134, 5712), (154, 5871), (162, 5898), (205, 6129), (220, 6162), (261, 6258), (278, 6312), (293, 6354), (306, 6405),

Gene: MontyDev_35 Start: 32241, Stop: 33710, Start Num: 32
Candidate Starts for MontyDev_35:
(Start: 32 @32241 has 40 MA's), (40, 32283), (50, 32346), (62, 32448), (82, 32595), (83, 32613), (86, 32655), (87, 32667), (93, 32715), (109, 32811), (114, 32823), (116, 32832), (123, 32865), (134, 32919), (140, 32964), (156, 33123), (161, 33144), (162, 33147), (170, 33192), (174, 33222), (192, 33291), (193, 33306), (195, 33330), (205, 33375), (215, 33399), (247, 33486), (257, 33516), (269, 33549), (276, 33579), (292, 33621),

Gene: Moose_8 Start: 4599, Stop: 6032, Start Num: 25
Candidate Starts for Moose_8:

(Start: 25 @4599 has 181 MA's), (Start: 35 @4647 has 4 MA's), (64, 4851), (83, 4953), (85, 4956), (86, 4995), (100, 5127), (134, 5250), (154, 5409), (162, 5436), (205, 5667), (220, 5700), (278, 5850), (293, 5892), (306, 5943),

Gene: Moostard_26 Start: 24965, Stop: 26437, Start Num: 25
Candidate Starts for Moostard_26:
(Start: 25 @24965 has 181 MA's), (Start: 35 @25013 has 4 MA's), (47, 25067), (51, 25097), (52, 25100), (57, 25142), (64, 25217), (86, 25361), (88, 25373), (134, 25601), (144, 25670), (160, 25787), (185, 25919), (187, 25925), (205, 26045), (220, 26078), (225, 26090), (248, 26150), (273, 26228), (310, 26393),

Gene: Morpher26_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for Morpher26_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (285, 5280), (305, 5367),

Gene: Morrow_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Morrow_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: MrGordo_9 Start: 4339, Stop: 5751, Start Num: 25
Candidate Starts for MrGordo_9:
(Start: 25 @4339 has 181 MA's), (Start: 35 @4387 has 4 MA's), (64, 4591), (80, 4663), (85, 4696), (86, 4735), (134, 4969), (154, 5128), (162, 5155), (205, 5386), (220, 5419), (261, 5515), (278, 5569), (293, 5611), (306, 5662),

Gene: Mryolo_8 Start: 4348, Stop: 5781, Start Num: 25
Candidate Starts for Mryolo_8:
(Start: 25 @4348 has 181 MA's), (Start: 35 @4396 has 4 MA's), (64, 4600), (83, 4702), (85, 4705), (86, 4744), (134, 4999), (154, 5158), (162, 5185), (180, 5272), (205, 5416), (220, 5449), (261, 5545), (278, 5599), (293, 5641), (306, 5692),

Gene: MsGreen_26 Start: 24962, Stop: 26434, Start Num: 25
Candidate Starts for MsGreen_26:
(Start: 25 @24962 has 181 MA's), (Start: 35 @25010 has 4 MA's), (47, 25064), (51, 25094), (52, 25097), (57, 25139), (64, 25214), (86, 25358), (88, 25370), (134, 25598), (144, 25667), (160, 25784), (185, 25916), (187, 25922), (205, 26042), (220, 26075), (225, 26087), (248, 26147), (273, 26225), (310, 26390),

Gene: Mule_8 Start: 4424, Stop: 5851, Start Num: 25
Candidate Starts for Mule_8:
(Start: 25 @4424 has 181 MA's), (Start: 35 @4472 has 4 MA's), (64, 4676), (83, 4778), (85, 4781), (86, 4820), (100, 4952), (134, 5075), (154, 5234), (162, 5261), (205, 5492), (220, 5525), (261, 5621), (278, 5675), (293, 5717), (306, 5768),

Gene: Mundrea_8 Start: 3919, Stop: 5394, Start Num: 23
Candidate Starts for Mundrea_8:
(Start: 23 @3919 has 243 MA's), (64, 4171), (86, 4330), (87, 4342), (119, 4510), (134, 4591), (143, 4660), (156, 4762), (158, 4774), (160, 4777), (185, 4909), (195, 4990), (205, 5032), (216, 5056), (268, 5194), (270, 5203), (288, 5266), (297, 5287), (301, 5305),

Gene: Museum_10 Start: 4150, Stop: 5583, Start Num: 25
Candidate Starts for Museum_10:
(Start: 25 @4150 has 181 MA's), (Start: 35 @4198 has 4 MA's), (47, 4252), (64, 4402), (83, 4504), (85, 4507), (86, 4546), (134, 4801), (154, 4960), (162, 4987), (180, 5074), (205, 5218), (220, 5251), (261, 5347), (278, 5401), (293, 5443), (306, 5494),

Gene: MyraDee_7 Start: 3258, Stop: 4625, Start Num: 23
Candidate Starts for MyraDee_7:
(Start: 23 @3258 has 243 MA's), (Start: 35 @3309 has 4 MA's), (64, 3513), (85, 3636), (86, 3672), (88, 3684), (101, 3789), (106, 3801), (125, 3861), (129, 3873), (134, 3909), (154, 4068), (156, 4071), (188, 4209), (223, 4344), (242, 4377), (251, 4395), (268, 4440), (291, 4503), (307, 4572),

Gene: NEHalo_9 Start: 4208, Stop: 5593, Start Num: 35
Candidate Starts for NEHalo_9:
(Start: 25 @4160 has 181 MA's), (Start: 35 @4208 has 4 MA's), (47, 4262), (64, 4412), (83, 4514), (85, 4517), (86, 4556), (134, 4811), (154, 4970), (162, 4997), (180, 5084), (205, 5228), (220, 5261), (261, 5357), (278, 5411), (293, 5453), (306, 5504),

Gene: Naira_9 Start: 4539, Stop: 5972, Start Num: 25
Candidate Starts for Naira_9:
(Start: 25 @4539 has 181 MA's), (Start: 35 @4587 has 4 MA's), (47, 4641), (64, 4791), (83, 4893), (85, 4896), (86, 4935), (134, 5190), (154, 5349), (162, 5376), (205, 5607), (220, 5640), (278, 5790), (293, 5832), (304, 5868), (306, 5883),

Gene: Nebs_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Nebs_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Nemo27_8 Start: 3920, Stop: 5422, Start Num: 23
Candidate Starts for Nemo27_8:
(Start: 23 @3920 has 243 MA's), (52, 4055), (64, 4172), (83, 4292), (86, 4331), (87, 4343), (128, 4550), (134, 4589), (158, 4772), (160, 4775), (185, 4907), (187, 4913), (205, 5033), (230, 5087), (248, 5138), (268, 5201), (274, 5234),

Gene: Nerujay_10 Start: 5034, Stop: 6428, Start Num: 30
Candidate Starts for Nerujay_10:
(20, 4992), (Start: 30 @5034 has 10 MA's), (46, 5112), (64, 5268), (85, 5373), (86, 5412), (134, 5646), (154, 5805), (162, 5832), (205, 6063), (220, 6096), (278, 6246), (293, 6288), (306, 6339),

Gene: Nhonho_9 Start: 4456, Stop: 5877, Start Num: 23
Candidate Starts for Nhonho_9:
(Start: 23 @4456 has 243 MA's), (61, 4681), (73, 4777), (86, 4870), (100, 4972), (134, 5095), (154, 5254), (162, 5281), (205, 5512), (220, 5545), (278, 5695), (293, 5737), (306, 5788),

Gene: Nicholas_26 Start: 24962, Stop: 26434, Start Num: 25
Candidate Starts for Nicholas_26:
(Start: 25 @24962 has 181 MA's), (Start: 35 @25010 has 4 MA's), (47, 25064), (51, 25094), (52, 25097), (57, 25139), (64, 25214), (86, 25358), (88, 25370), (134, 25598), (144, 25667), (160, 25784), (185, 25916), (187, 25922), (205, 26042), (220, 26075), (225, 26087), (248, 26147), (273, 26225), (310, 26390),

Gene: Nilo_36 Start: 32597, Stop: 34066, Start Num: 32
Candidate Starts for Nilo_36:
(Start: 32 @32597 has 40 MA's), (40, 32639), (50, 32702), (62, 32804), (82, 32951), (83, 32969), (86, 33011), (87, 33023), (93, 33071), (109, 33167), (114, 33179), (116, 33188), (123, 33221), (134, 33275), (140, 33320), (156, 33479), (161, 33500), (162, 33503), (170, 33548), (174, 33578), (192, 33647), (193, 33662), (195, 33686), (205, 33731), (215, 33755), (247, 33842), (257, 33872), (258, 33875), (269, 33905), (276, 33935), (292, 33977),

Gene: Niza_10 Start: 5182, Stop: 6603, Start Num: 23
Candidate Starts for Niza_10:
(Start: 23 @5182 has 243 MA's), (64, 5461), (73, 5503), (86, 5596), (100, 5698), (134, 5821), (154, 5980), (162, 6007), (205, 6238), (220, 6271), (261, 6367), (278, 6421), (293, 6463), (306, 6514),

Gene: Noelle_8 Start: 3990, Stop: 5489, Start Num: 23
Candidate Starts for Noelle_8:
(Start: 23 @3990 has 243 MA's), (Start: 41 @4068 has 2 MA's), (45, 4077), (51, 4122), (52, 4125), (64, 4242), (83, 4362), (86, 4401), (87, 4413), (128, 4617), (134, 4656), (158, 4839), (160, 4842), (185, 4974), (187, 4980), (205, 5100), (230, 5154), (248, 5205), (268, 5268), (274, 5301),

Gene: NorthStar_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for NorthStar_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Northrop_8 Start: 3920, Stop: 5422, Start Num: 23
Candidate Starts for Northrop_8:
(Start: 23 @3920 has 243 MA's), (52, 4055), (64, 4172), (83, 4292), (86, 4331), (87, 4343), (106, 4481), (128, 4550), (134, 4589), (158, 4772), (160, 4775), (185, 4907), (187, 4913), (205, 5033), (230, 5087), (248, 5138), (268, 5201), (274, 5234),

Gene: Norz_10 Start: 5109, Stop: 6524, Start Num: 23
Candidate Starts for Norz_10:
(15, 5073), (Start: 19 @5082 has 3 MA's), (Start: 23 @5109 has 243 MA's), (64, 5388), (73, 5430), (86, 5523), (100, 5625), (134, 5748), (154, 5907), (162, 5934), (180, 6021), (205, 6165), (220, 6198), (278, 6348), (293, 6390), (306, 6441),

Gene: NotAPhaseMom_8 Start: 3925, Stop: 5427, Start Num: 23
Candidate Starts for NotAPhaseMom_8:
(Start: 23 @3925 has 243 MA's), (52, 4060), (64, 4177), (83, 4297), (86, 4336), (87, 4348), (128, 4555), (134, 4594), (158, 4777), (160, 4780), (185, 4912), (187, 4918), (205, 5038), (230, 5092), (248, 5143), (268, 5206), (274, 5239),

Gene: NothingSpecial_11 Start: 6508, Stop: 7986, Start Num: 23
Candidate Starts for NothingSpecial_11:
(Start: 23 @6508 has 243 MA's), (34, 6559), (47, 6613), (57, 6688), (72, 6823), (83, 6874), (86, 6916), (87, 6928), (92, 6988), (134, 7183), (143, 7252), (158, 7366), (160, 7369), (171, 7438), (185, 7501), (198, 7594), (204, 7624), (214, 7648), (216, 7651), (236, 7687), (268, 7786), (270, 7795),

Gene: Noxious_11 Start: 5358, Stop: 6779, Start Num: 23
Candidate Starts for Noxious_11:

(15, 5322), (Start: 19 @5331 has 3 MA's), (Start: 23 @5358 has 243 MA's), (64, 5637), (73, 5679), (86, 5772), (100, 5874), (134, 5997), (154, 6156), (162, 6183), (205, 6414), (220, 6447), (278, 6597), (293, 6639), (306, 6690),

Gene: Nyxis_8 Start: 3921, Stop: 5405, Start Num: 23
Candidate Starts for Nyxis_8:
(Start: 23 @3921 has 243 MA's), (Start: 41 @3999 has 2 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (134, 4587), (143, 4656), (156, 4758), (158, 4770), (160, 4773), (185, 4905), (198, 4998), (205, 5031), (255, 5163), (265, 5193), (273, 5220), (280, 5247), (305, 5331),

Gene: OKaNui_8 Start: 3686, Stop: 5188, Start Num: 23
Candidate Starts for OKaNui_8:
(Start: 23 @3686 has 243 MA's), (52, 3821), (64, 3938), (83, 4058), (86, 4097), (87, 4109), (106, 4247), (128, 4316), (134, 4355), (158, 4538), (160, 4541), (185, 4673), (187, 4679), (205, 4799), (230, 4853), (248, 4904), (268, 4967), (274, 5000),

Gene: Obama12_8 Start: 4008, Stop: 5411, Start Num: 41
Candidate Starts for Obama12_8:
(Start: 23 @3930 has 243 MA's), (Start: 41 @4008 has 2 MA's), (64, 4188), (86, 4347), (87, 4359), (134, 4608), (143, 4677), (158, 4791), (160, 4794), (171, 4863), (185, 4926), (205, 5049), (216, 5073), (268, 5211), (288, 5283), (297, 5304), (301, 5322),

Gene: Ohfah_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Ohfah_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Ohno789_8 Start: 4009, Stop: 5421, Start Num: 25
Candidate Starts for Ohno789_8:
(Start: 25 @4009 has 181 MA's), (Start: 35 @4057 has 4 MA's), (64, 4261), (80, 4333), (85, 4366), (86, 4405), (134, 4639), (154, 4798), (162, 4825), (205, 5056), (220, 5089), (278, 5239), (293, 5281), (306, 5332),

Gene: Oogway_8 Start: 4580, Stop: 6013, Start Num: 25
Candidate Starts for Oogway_8:
(Start: 25 @4580 has 181 MA's), (Start: 35 @4628 has 4 MA's), (64, 4832), (83, 4934), (85, 4937), (86, 4976), (134, 5231), (154, 5390), (162, 5417), (205, 5648), (220, 5681), (278, 5831), (293, 5873), (306, 5924),

Gene: Opia_47 Start: 40784, Stop: 42295, Start Num: 29
Candidate Starts for Opia_47:
(Start: 29 @40784 has 45 MA's), (Start: 32 @40796 has 40 MA's), (52, 40907), (62, 41003), (72, 41108), (80, 41138), (85, 41183), (86, 41222), (87, 41234), (99, 41360), (102, 41369), (103, 41375), (107, 41393), (111, 41405), (113, 41408), (117, 41420), (119, 41426), (133, 41492), (138, 41543), (146, 41624), (152, 41681), (156, 41711), (161, 41732), (170, 41780), (175, 41810), (186, 41840), (188, 41846), (194, 41912), (209, 41969), (233, 42026), (240, 42044), (241, 42047), (266, 42119), (268, 42128), (270, 42137), (296, 42221),

Gene: PP_18 Start: 9773, Stop: 11242, Start Num: 23
Candidate Starts for PP_18:
(17, 9740), (21, 9752), (Start: 23 @9773 has 243 MA's), (36, 9827), (62, 9998), (64, 10031), (77, 10109), (86, 10190), (87, 10202), (106, 10337), (124, 10394), (134, 10445), (147, 10562), (161,

10670), (172, 10736), (186, 10787), (205, 10901), (268, 11042), (285, 11105), (286, 11108), (292, 11126), (314, 11237),

Gene: PSullivan_11 Start: 5068, Stop: 6501, Start Num: 25
Candidate Starts for PSullivan_11:
(Start: 25 @5068 has 181 MA's), (Start: 35 @5116 has 4 MA's), (64, 5320), (83, 5422), (85, 5425), (86, 5464), (134, 5719), (154, 5878), (162, 5905), (205, 6136), (220, 6169), (261, 6265), (278, 6319), (293, 6361), (306, 6412),

Gene: Pace1224_26 Start: 25277, Stop: 26638, Start Num: 28
Candidate Starts for Pace1224_26:
(Start: 28 @25277 has 2 MA's), (42, 25343), (48, 25379), (49, 25382), (50, 25400), (62, 25490), (77, 25583), (81, 25601), (85, 25625), (86, 25664), (105, 25841), (107, 25853), (119, 25883), (134, 25964), (135, 25979), (150, 26066), (156, 26126), (160, 26141), (161, 26147), (179, 26237), (183, 26264), (205, 26408), (223, 26447),

Gene: PacerPaul_9 Start: 4857, Stop: 6269, Start Num: 25
Candidate Starts for PacerPaul_9:
(Start: 25 @4857 has 181 MA's), (Start: 35 @4905 has 4 MA's), (64, 5109), (80, 5181), (85, 5214), (86, 5253), (134, 5487), (154, 5646), (162, 5673), (205, 5904), (220, 5937), (278, 6087), (293, 6129), (306, 6180),

Gene: PainterBoy_11 Start: 5814, Stop: 7079, Start Num: 29
Candidate Starts for PainterBoy_11:
(Start: 29 @5814 has 45 MA's), (Start: 33 @5832 has 1 MA's), (56, 5970), (58, 5982), (66, 6093), (72, 6126), (86, 6240), (87, 6252), (91, 6285), (104, 6369), (105, 6372), (107, 6378), (110, 6387), (130, 6444), (136, 6492), (169, 6711), (173, 6738), (182, 6762), (190, 6786), (202, 6879), (233, 6945), (246, 6984), (249, 6990),

Gene: Palestino_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Palestino_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Papez_10 Start: 5846, Stop: 7264, Start Num: 23
Candidate Starts for Papez_10:
(15, 5810), (Start: 19 @5819 has 3 MA's), (Start: 23 @5846 has 243 MA's), (64, 6125), (73, 6167), (86, 6260), (100, 6362), (134, 6485), (154, 6644), (162, 6671), (205, 6902), (220, 6935), (278, 7085), (293, 7127), (306, 7178),

Gene: Paphu_8 Start: 4046, Stop: 5458, Start Num: 25
Candidate Starts for Paphu_8:
(Start: 25 @4046 has 181 MA's), (Start: 35 @4094 has 4 MA's), (64, 4298), (80, 4370), (85, 4403), (86, 4442), (134, 4676), (154, 4835), (162, 4862), (205, 5093), (220, 5126), (261, 5222), (278, 5276), (293, 5318), (306, 5369),

Gene: Papyrus_35 Start: 32256, Stop: 33725, Start Num: 32
Candidate Starts for Papyrus_35:
(Start: 32 @32256 has 40 MA's), (40, 32298), (50, 32361), (62, 32463), (63, 32481), (82, 32610), (83, 32628), (86, 32670), (87, 32682), (93, 32730), (114, 32838), (116, 32847), (123, 32880), (134, 32934), (140, 32979), (156, 33138), (161, 33159), (162, 33162), (170, 33207), (174, 33237), (193, 33321), (195, 33345), (205, 33390), (215, 33414), (247, 33501), (257, 33531), (276, 33594), (292, 33636),

Gene: Paraselene_8 Start: 4349, Stop: 5770, Start Num: 23
Candidate Starts for Paraselene_8:
(Start: 23 @4349 has 243 MA's), (64, 4628), (73, 4670), (86, 4763), (100, 4865), (134, 4988), (154, 5147), (205, 5405), (220, 5438), (261, 5534), (278, 5588), (293, 5630), (306, 5681),

Gene: Pari_10 Start: 4804, Stop: 6237, Start Num: 25
Candidate Starts for Pari_10:
(Start: 25 @4804 has 181 MA's), (Start: 35 @4852 has 4 MA's), (47, 4906), (64, 5056), (83, 5158), (85, 5161), (86, 5200), (134, 5455), (154, 5614), (162, 5641), (180, 5728), (205, 5872), (220, 5905), (261, 6001), (278, 6055), (293, 6097), (306, 6148),

Gene: Parliament_8 Start: 4407, Stop: 5840, Start Num: 25
Candidate Starts for Parliament_8:
(Start: 25 @4407 has 181 MA's), (Start: 35 @4455 has 4 MA's), (64, 4659), (83, 4761), (85, 4764), (86, 4803), (134, 5058), (154, 5217), (162, 5244), (205, 5475), (220, 5508), (261, 5604), (278, 5658), (293, 5700), (306, 5751),

Gene: PascalRango_8 Start: 4203, Stop: 5636, Start Num: 25
Candidate Starts for PascalRango_8:
(Start: 25 @4203 has 181 MA's), (Start: 35 @4251 has 4 MA's), (47, 4305), (64, 4455), (83, 4557), (85, 4560), (86, 4599), (134, 4854), (154, 5013), (162, 5040), (205, 5271), (220, 5304), (261, 5400), (278, 5454), (293, 5496), (306, 5547),

Gene: PattyP_10 Start: 4371, Stop: 5792, Start Num: 23
Candidate Starts for PattyP_10:
(Start: 23 @4371 has 243 MA's), (64, 4650), (73, 4692), (86, 4785), (100, 4887), (134, 5010), (154, 5169), (162, 5196), (205, 5427), (220, 5460), (261, 5556), (278, 5610), (293, 5652), (306, 5703),

Gene: Payneful_9 Start: 4150, Stop: 5583, Start Num: 25
Candidate Starts for Payneful_9:
(Start: 25 @4150 has 181 MA's), (Start: 35 @4198 has 4 MA's), (64, 4402), (83, 4504), (85, 4507), (86, 4546), (134, 4801), (154, 4960), (162, 4987), (205, 5218), (220, 5251), (261, 5347), (278, 5401), (293, 5443), (306, 5494),

Gene: PeaceMeal1_8 Start: 2286, Stop: 3782, Start Num: 29
Candidate Starts for PeaceMeal1_8:
(Start: 29 @2286 has 45 MA's), (Start: 33 @2304 has 1 MA's), (58, 2454), (66, 2565), (72, 2598), (79, 2619), (86, 2712), (87, 2724), (91, 2757), (134, 2964), (155, 3156), (159, 3171), (165, 3198), (185, 3282), (187, 3288), (203, 3408), (213, 3432), (219, 3444), (230, 3471), (259, 3561), (266, 3576), (281, 3633), (302, 3714),

Gene: Peaches_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Peaches_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Pelly_10 Start: 5000, Stop: 6469, Start Num: 25
Candidate Starts for Pelly_10:
(Start: 25 @5000 has 181 MA's), (Start: 35 @5048 has 4 MA's), (64, 5252), (83, 5354), (85, 5357), (86, 5396), (134, 5651), (154, 5810), (162, 5837), (174, 5912), (205, 6104), (220, 6137), (278, 6287), (293, 6329), (306, 6380),

Gene: Pepe_10 Start: 5023, Stop: 6492, Start Num: 25
Candidate Starts for Pepe_10:
(Start: 25 @5023 has 181 MA's), (Start: 35 @5071 has 4 MA's), (64, 5275), (83, 5377), (85, 5380), (86, 5419), (134, 5674), (154, 5833), (162, 5860), (174, 5935), (205, 6127), (220, 6160), (278, 6310), (293, 6352), (306, 6403),

Gene: Perplexer_8 Start: 3936, Stop: 5426, Start Num: 23
Candidate Starts for Perplexer_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (83, 4308), (86, 4347), (87, 4359), (134, 4602), (143, 4671), (156, 4773), (158, 4785), (160, 4788), (185, 4920), (187, 4926), (205, 5043), (248, 5148), (264, 5196), (285, 5274), (305, 5361),

Gene: Perseus_10 Start: 4720, Stop: 6153, Start Num: 25
Candidate Starts for Perseus_10:
(Start: 25 @4720 has 181 MA's), (Start: 35 @4768 has 4 MA's), (64, 4972), (83, 5074), (85, 5077), (86, 5116), (100, 5248), (134, 5371), (154, 5530), (162, 5557), (205, 5788), (220, 5821), (278, 5971), (293, 6013), (306, 6064),

Gene: PeterPeter_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for PeterPeter_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Peterson_11 Start: 5843, Stop: 7252, Start Num: 25
Candidate Starts for Peterson_11:
(Start: 25 @5843 has 181 MA's), (Start: 35 @5891 has 4 MA's), (64, 6095), (80, 6167), (85, 6200), (86, 6239), (134, 6473), (154, 6632), (162, 6659), (205, 6890), (220, 6923), (278, 7073), (293, 7115), (306, 7166),

Gene: PetiteSangsue_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for PetiteSangsue_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (280, 5262), (285, 5280), (300, 5346), (305, 5367),

Gene: Petp2012_11 Start: 4512, Stop: 5945, Start Num: 25
Candidate Starts for Petp2012_11:
(Start: 25 @4512 has 181 MA's), (Start: 35 @4560 has 4 MA's), (47, 4614), (64, 4764), (83, 4866), (85, 4869), (86, 4908), (134, 5163), (154, 5322), (162, 5349), (205, 5580), (220, 5613), (261, 5709), (278, 5763), (293, 5805), (306, 5856),

Gene: Petruchio_9 Start: 4278, Stop: 5711, Start Num: 25
Candidate Starts for Petruchio_9:
(Start: 25 @4278 has 181 MA's), (Start: 35 @4326 has 4 MA's), (64, 4530), (83, 4632), (85, 4635), (86, 4674), (100, 4806), (134, 4929), (154, 5088), (162, 5115), (205, 5346), (220, 5379), (278, 5529), (293, 5571), (306, 5622),

Gene: Phacado_8 Start: 3920, Stop: 5422, Start Num: 23
Candidate Starts for Phacado_8:
(Start: 23 @3920 has 243 MA's), (52, 4055), (64, 4172), (83, 4292), (86, 4331), (87, 4343), (128, 4550), (134, 4589), (158, 4772), (160, 4775), (185, 4907), (187, 4913), (205, 5033), (230, 5087), (248, 5138),

(268, 5201), (274, 5234),

Gene: Phaded_12 Start: 6538, Stop: 8052, Start Num: 23
Candidate Starts for Phaded_12:
(13, 6475), (Start: 23 @6538 has 243 MA's), (86, 6949), (87, 6961), (128, 7177), (134, 7216), (143, 7285), (160, 7402), (205, 7657), (224, 7699), (248, 7762), (285, 7888), (305, 7978), (309, 7990),

Gene: Phantasmagoria_47 Start: 40808, Stop: 42307, Start Num: 32
Candidate Starts for Phantasmagoria_47:
(Start: 29 @40796 has 45 MA's), (Start: 32 @40808 has 40 MA's), (52, 40919), (62, 41015), (72, 41120), (80, 41150), (82, 41162), (85, 41195), (86, 41234), (87, 41246), (99, 41372), (102, 41381), (103, 41387), (107, 41405), (111, 41417), (113, 41420), (117, 41432), (119, 41438), (133, 41504), (146, 41636), (152, 41693), (156, 41723), (161, 41744), (170, 41792), (175, 41822), (186, 41852), (188, 41858), (194, 41924), (209, 41981), (233, 42038), (240, 42056), (241, 42059), (266, 42131), (268, 42140), (270, 42149), (296, 42233),

Gene: Pharaoh_10 Start: 6169, Stop: 7521, Start Num: 29
Candidate Starts for Pharaoh_10:
(Start: 29 @6169 has 45 MA's), (37, 6211), (39, 6223), (47, 6265), (49, 6274), (52, 6298), (64, 6415), (77, 6475), (86, 6556), (88, 6568), (106, 6688), (108, 6694), (129, 6766), (134, 6802), (137, 6832), (156, 6964), (163, 6997), (217, 7240), (244, 7297), (261, 7336), (284, 7399),

Gene: Phelipe_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Phelipe_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: PherrisBueller_10 Start: 4452, Stop: 5921, Start Num: 25
Candidate Starts for PherrisBueller_10:
(Start: 25 @4452 has 181 MA's), (Start: 35 @4500 has 4 MA's), (64, 4704), (83, 4806), (85, 4809), (86, 4848), (100, 4980), (134, 5103), (154, 5262), (162, 5289), (176, 5364), (177, 5373), (205, 5556), (220, 5589), (278, 5739), (293, 5781), (306, 5832),

Gene: Phighter1804_8 Start: 3927, Stop: 5408, Start Num: 23
Candidate Starts for Phighter1804_8:
(Start: 23 @3927 has 243 MA's), (Start: 41 @4005 has 2 MA's), (64, 4185), (86, 4344), (87, 4356), (134, 4605), (143, 4674), (156, 4776), (158, 4788), (160, 4791), (171, 4860), (185, 4923), (195, 5004), (205, 5046), (216, 5070), (268, 5208), (270, 5217), (288, 5280), (297, 5301), (301, 5319),

Gene: PhineBark_7 Start: 4066, Stop: 5499, Start Num: 25
Candidate Starts for PhineBark_7:
(Start: 25 @4066 has 181 MA's), (Start: 35 @4114 has 4 MA's), (64, 4318), (85, 4423), (86, 4462), (134, 4717), (154, 4876), (162, 4903), (205, 5134), (220, 5167), (278, 5317), (293, 5359), (306, 5410),

Gene: Phlippers_8 Start: 4537, Stop: 5970, Start Num: 25
Candidate Starts for Phlippers_8:
(Start: 25 @4537 has 181 MA's), (Start: 35 @4585 has 4 MA's), (64, 4789), (83, 4891), (85, 4894), (86, 4933), (134, 5188), (154, 5347), (162, 5374), (205, 5605), (220, 5638), (278, 5788), (293, 5830), (306, 5881),

Gene: Phontbonne_8 Start: 3916, Stop: 5403, Start Num: 23
Candidate Starts for Phontbonne_8:

(Start: 23 @3916 has 243 MA's), (52, 4051), (64, 4168), (83, 4288), (86, 4327), (87, 4339), (106, 4477), (128, 4546), (134, 4585), (158, 4768), (160, 4771), (185, 4903), (198, 4996), (205, 5029), (255, 5161), (265, 5191), (273, 5218), (280, 5245), (305, 5329),

Gene: PhrostyMug_8 Start: 4424, Stop: 5851, Start Num: 25
Candidate Starts for PhrostyMug_8:
(Start: 25 @4424 has 181 MA's), (Start: 35 @4472 has 4 MA's), (64, 4676), (83, 4778), (85, 4781), (86, 4820), (100, 4952), (134, 5075), (154, 5234), (162, 5261), (205, 5492), (220, 5525), (261, 5621), (278, 5675), (293, 5717), (306, 5768),

Gene: PinkPlastic_7 Start: 4067, Stop: 5500, Start Num: 25
Candidate Starts for PinkPlastic_7:
(Start: 25 @4067 has 181 MA's), (Start: 35 @4115 has 4 MA's), (47, 4169), (64, 4319), (83, 4421), (85, 4424), (86, 4463), (134, 4718), (154, 4877), (180, 4991), (205, 5135), (220, 5168), (278, 5318), (293, 5360), (306, 5411),

Gene: Pinto_11 Start: 4710, Stop: 6143, Start Num: 25
Candidate Starts for Pinto_11:
(Start: 25 @4710 has 181 MA's), (Start: 35 @4758 has 4 MA's), (64, 4962), (83, 5064), (85, 5067), (86, 5106), (134, 5361), (154, 5520), (162, 5547), (205, 5778), (220, 5811), (278, 5961), (293, 6003), (306, 6054),

Gene: Pipcraft_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Pipcraft_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Pippin_10 Start: 4409, Stop: 5842, Start Num: 25
Candidate Starts for Pippin_10:
(Start: 25 @4409 has 181 MA's), (Start: 35 @4457 has 4 MA's), (64, 4661), (83, 4763), (85, 4766), (86, 4805), (134, 5060), (154, 5219), (162, 5246), (205, 5477), (220, 5510), (278, 5660), (293, 5702), (306, 5753),

Gene: Pita2_11 Start: 5068, Stop: 6501, Start Num: 25
Candidate Starts for Pita2_11:
(Start: 25 @5068 has 181 MA's), (Start: 35 @5116 has 4 MA's), (64, 5320), (83, 5422), (85, 5425), (86, 5464), (134, 5719), (154, 5878), (162, 5905), (205, 6136), (220, 6169), (261, 6265), (278, 6319), (293, 6361), (306, 6412),

Gene: Polymorphads_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Polymorphads_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Poompha_8 Start: 2284, Stop: 3780, Start Num: 29
Candidate Starts for Poompha_8:
(Start: 29 @2284 has 45 MA's), (Start: 33 @2302 has 1 MA's), (58, 2452), (66, 2563), (72, 2596), (79, 2617), (86, 2710), (87, 2722), (91, 2755), (134, 2962), (155, 3154), (159, 3169), (165, 3196), (185, 3280), (187, 3286), (203, 3406), (213, 3430), (219, 3442), (230, 3469), (259, 3559), (266, 3574), (281, 3631), (302, 3712),

Gene: Porcelain_46 Start: 37509, Stop: 38897, Start Num: 23
Candidate Starts for Porcelain_46:
(Start: 23 @37509 has 243 MA's), (Start: 35 @37560 has 4 MA's), (46, 37608), (62, 37731), (64, 37764), (70, 37797), (85, 37869), (86, 37908), (122, 38106), (124, 38118), (133, 38154), (134, 38169), (156, 38331), (162, 38355), (176, 38442), (205, 38622), (214, 38643), (272, 38775), (273, 38778), (278, 38793), (279, 38796), (303, 38862),

Gene: PowerRanger_9 Start: 4907, Stop: 6328, Start Num: 23
Candidate Starts for PowerRanger_9:
(15, 4871), (Start: 19 @4880 has 3 MA's), (Start: 23 @4907 has 243 MA's), (64, 5186), (73, 5228), (86, 5321), (100, 5423), (134, 5546), (154, 5705), (205, 5963), (220, 5996), (261, 6092), (278, 6146), (293, 6188), (306, 6239),

Gene: PrinceCharming_47 Start: 40904, Stop: 42415, Start Num: 29
Candidate Starts for PrinceCharming_47:
(Start: 29 @40904 has 45 MA's), (Start: 32 @40916 has 40 MA's), (52, 41027), (62, 41123), (72, 41228), (80, 41258), (85, 41303), (86, 41342), (87, 41354), (99, 41480), (102, 41489), (103, 41495), (107, 41513), (111, 41525), (113, 41528), (117, 41540), (119, 41546), (133, 41612), (146, 41744), (152, 41801), (156, 41831), (161, 41852), (170, 41900), (175, 41930), (186, 41960), (188, 41966), (194, 42032), (209, 42089), (233, 42146), (240, 42164), (241, 42167), (266, 42239), (268, 42248), (270, 42257), (296, 42341),

Gene: ProMouse_10 Start: 5043, Stop: 6464, Start Num: 23
Candidate Starts for ProMouse_10:
(Start: 19 @5016 has 3 MA's), (Start: 23 @5043 has 243 MA's), (64, 5322), (73, 5364), (86, 5457), (100, 5559), (134, 5682), (154, 5841), (162, 5868), (180, 5955), (205, 6099), (220, 6132), (278, 6282), (293, 6324), (306, 6375),

Gene: Pukovnik_11 Start: 6123, Stop: 7628, Start Num: 23
Candidate Starts for Pukovnik_11:
(13, 6060), (Start: 23 @6123 has 243 MA's), (86, 6534), (87, 6546), (106, 6693), (134, 6801), (143, 6870), (158, 6984), (160, 6987), (185, 7119), (187, 7125), (205, 7242), (224, 7284), (248, 7347), (285, 7473), (305, 7563),

Gene: Pumbaa_8 Start: 3926, Stop: 5407, Start Num: 23
Candidate Starts for Pumbaa_8:
(Start: 23 @3926 has 243 MA's), (Start: 41 @4004 has 2 MA's), (64, 4184), (86, 4343), (87, 4355), (134, 4604), (143, 4673), (156, 4775), (158, 4787), (160, 4790), (171, 4859), (185, 4922), (195, 5003), (205, 5045), (216, 5069), (268, 5207), (270, 5216), (288, 5279), (297, 5300), (301, 5318),

Gene: Puppet_9 Start: 4672, Stop: 6084, Start Num: 25
Candidate Starts for Puppet_9:
(Start: 25 @4672 has 181 MA's), (Start: 35 @4720 has 4 MA's), (64, 4924), (80, 4996), (85, 5029), (86, 5068), (134, 5302), (154, 5461), (162, 5488), (205, 5719), (220, 5752), (261, 5848), (278, 5902), (293, 5944), (306, 5995),

Gene: QTRlifeCrisis_9 Start: 5075, Stop: 6469, Start Num: 30
Candidate Starts for QTRlifeCrisis_9:
(20, 5033), (Start: 30 @5075 has 10 MA's), (46, 5153), (64, 5309), (85, 5414), (86, 5453), (134, 5687), (154, 5846), (162, 5873), (205, 6104), (220, 6137), (278, 6287), (293, 6329), (306, 6380),

Gene: Qyrzula_44 Start: 40943, Stop: 42454, Start Num: 29
Candidate Starts for Qyrzula_44:

(Start: 29 @40943 has 45 MA's), (Start: 32 @40955 has 40 MA's), (52, 41066), (62, 41162), (72, 41267), (80, 41297), (85, 41342), (86, 41381), (87, 41393), (99, 41519), (102, 41528), (103, 41534), (107, 41552), (111, 41564), (113, 41567), (117, 41579), (119, 41585), (133, 41651), (146, 41783), (152, 41840), (156, 41870), (161, 41891), (170, 41939), (175, 41969), (186, 41999), (188, 42005), (194, 42071), (209, 42128), (233, 42185), (240, 42203), (241, 42206), (266, 42278), (268, 42287), (270, 42296), (296, 42380),

Gene: Rachaly_12 Start: 6415, Stop: 7713, Start Num: 23
Candidate Starts for Rachaly_12:
(Start: 23 @6415 has 243 MA's), (47, 6517), (69, 6700), (86, 6826), (87, 6838), (91, 6886), (122, 6979), (127, 6985), (139, 7051), (197, 7318), (205, 7351), (217, 7375), (268, 7513), (270, 7522), (305, 7642),

Gene: Raid_9 Start: 4339, Stop: 5760, Start Num: 23
Candidate Starts for Raid_9:
(Start: 23 @4339 has 243 MA's), (64, 4618), (73, 4660), (86, 4753), (100, 4855), (134, 4978), (154, 5137), (162, 5164), (205, 5395), (220, 5428), (278, 5578), (293, 5620), (306, 5671),

Gene: Rajelicia_8 Start: 4207, Stop: 5640, Start Num: 25
Candidate Starts for Rajelicia_8:
(Start: 25 @4207 has 181 MA's), (Start: 35 @4255 has 4 MA's), (47, 4309), (64, 4459), (83, 4561), (85, 4564), (86, 4603), (134, 4858), (154, 5017), (162, 5044), (205, 5275), (220, 5308), (261, 5404), (278, 5458), (293, 5500), (306, 5551),

Gene: Rearden_42 Start: 37120, Stop: 38508, Start Num: 23
Candidate Starts for Rearden_42:
(Start: 23 @37120 has 243 MA's), (Start: 35 @37171 has 4 MA's), (Start: 41 @37198 has 2 MA's), (46, 37219), (62, 37342), (64, 37375), (70, 37408), (85, 37480), (86, 37519), (122, 37717), (124, 37729), (133, 37765), (134, 37780), (156, 37942), (162, 37966), (176, 38053), (205, 38233), (214, 38254), (272, 38386), (273, 38389), (278, 38404), (279, 38407), (291, 38434), (303, 38473),

Gene: Red305_26 Start: 24962, Stop: 26434, Start Num: 25
Candidate Starts for Red305_26:
(Start: 25 @24962 has 181 MA's), (Start: 35 @25010 has 4 MA's), (47, 25064), (51, 25094), (52, 25097), (57, 25139), (64, 25214), (86, 25358), (88, 25370), (134, 25598), (144, 25667), (160, 25784), (185, 25916), (187, 25922), (205, 26042), (220, 26075), (225, 26087), (248, 26147), (273, 26225), (310, 26390),

Gene: Refuge_12 Start: 6968, Stop: 8362, Start Num: 29
Candidate Starts for Refuge_12:
(Start: 29 @6968 has 45 MA's), (39, 7022), (46, 7058), (47, 7064), (49, 7073), (52, 7097), (64, 7214), (77, 7274), (86, 7355), (88, 7367), (108, 7493), (124, 7550), (134, 7601), (156, 7763), (163, 7796), (189, 7913), (206, 8021), (268, 8162), (269, 8165), (289, 8228), (294, 8246), (298, 8267), (315, 8348),

Gene: Relief_8 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for Relief_8:
(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (83, 4294), (86, 4333), (87, 4345), (106, 4483), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Rhinoforte_47 Start: 40929, Stop: 42428, Start Num: 32
Candidate Starts for Rhinoforte_47:
(Start: 29 @40917 has 45 MA's), (Start: 32 @40929 has 40 MA's), (52, 41040), (62, 41136), (72, 41241), (80, 41271), (85, 41316), (86, 41355), (87, 41367), (99, 41493), (102, 41502), (103, 41508),

(107, 41526), (111, 41538), (113, 41541), (117, 41553), (119, 41559), (133, 41625), (146, 41757), (152, 41814), (156, 41844), (161, 41865), (170, 41913), (175, 41943), (186, 41973), (188, 41979), (194, 42045), (209, 42102), (233, 42159), (240, 42177), (241, 42180), (266, 42252), (268, 42261), (270, 42270), (296, 42354),

Gene: Rhynn_9 Start: 4637, Stop: 6070, Start Num: 25
Candidate Starts for Rhynn_9:
(Start: 25 @4637 has 181 MA's), (Start: 35 @4685 has 4 MA's), (64, 4889), (85, 4994), (86, 5033), (134, 5288), (154, 5447), (162, 5474), (205, 5705), (220, 5738), (261, 5834), (278, 5888), (293, 5930), (306, 5981),

Gene: RidgeCB_9 Start: 4176, Stop: 5597, Start Num: 23
Candidate Starts for RidgeCB_9:
(Start: 23 @4176 has 243 MA's), (64, 4455), (73, 4497), (86, 4590), (100, 4692), (134, 4815), (154, 4974), (162, 5001), (205, 5232), (220, 5265), (261, 5361), (278, 5415), (293, 5457), (306, 5508),

Gene: Rifter_13 Start: 5824, Stop: 7038, Start Num: 29
Candidate Starts for Rifter_13:
(Start: 29 @5824 has 45 MA's), (Start: 33 @5842 has 1 MA's), (58, 5992), (66, 6103), (72, 6136), (80, 6166), (86, 6250), (87, 6262), (91, 6295), (101, 6367), (107, 6385), (136, 6499), (169, 6718), (181, 6745), (186, 6757), (188, 6763), (198, 6826), (267, 7009),

Gene: Ringer_8 Start: 4646, Stop: 6052, Start Num: 25
Candidate Starts for Ringer_8:
(Start: 25 @4646 has 181 MA's), (Start: 35 @4694 has 4 MA's), (64, 4898), (80, 4970), (85, 5003), (86, 5042), (134, 5276), (154, 5435), (162, 5462), (205, 5693), (220, 5726), (278, 5876), (293, 5918), (306, 5969),

Gene: Rinkes_47 Start: 41790, Stop: 43268, Start Num: 32
Candidate Starts for Rinkes_47:
(Start: 29 @41778 has 45 MA's), (Start: 32 @41790 has 40 MA's), (Start: 33 @41796 has 1 MA's), (52, 41901), (66, 42057), (80, 42120), (83, 42150), (86, 42192), (87, 42204), (91, 42246), (107, 42390), (118, 42423), (134, 42510), (135, 42525), (174, 42819), (209, 42987), (212, 42993), (215, 42999), (232, 43041), (234, 43047), (239, 43056), (283, 43194),

Gene: Riparian_35 Start: 32058, Stop: 33527, Start Num: 32
Candidate Starts for Riparian_35:
(Start: 32 @32058 has 40 MA's), (40, 32100), (50, 32163), (62, 32265), (63, 32283), (82, 32412), (83, 32430), (86, 32472), (87, 32484), (93, 32532), (114, 32640), (116, 32649), (123, 32682), (134, 32736), (140, 32781), (156, 32940), (161, 32961), (162, 32964), (170, 33009), (174, 33039), (193, 33123), (195, 33147), (205, 33192), (215, 33216), (247, 33303), (257, 33333), (269, 33366), (276, 33396), (292, 33438),

Gene: RockieBear_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for RockieBear_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Rocksand_8 Start: 3920, Stop: 5422, Start Num: 23
Candidate Starts for Rocksand_8:
(Start: 23 @3920 has 243 MA's), (52, 4055), (64, 4172), (83, 4292), (86, 4331), (87, 4343), (106, 4481), (128, 4550), (134, 4589), (158, 4772), (160, 4775), (185, 4907), (187, 4913), (205, 5033), (230, 5087),

(248, 5138), (268, 5201), (274, 5234),

Gene: Rohr_10 Start: 4855, Stop: 6276, Start Num: 23
Candidate Starts for Rohr_10:
(Start: 23 @4855 has 243 MA's), (64, 5134), (73, 5176), (86, 5269), (100, 5371), (134, 5494), (154, 5653), (162, 5680), (205, 5911), (220, 5944), (261, 6040), (278, 6094), (293, 6136), (306, 6187),

Gene: Romney_8 Start: 3920, Stop: 5422, Start Num: 23
Candidate Starts for Romney_8:
(Start: 23 @3920 has 243 MA's), (52, 4055), (64, 4172), (83, 4292), (86, 4331), (87, 4343), (106, 4481), (128, 4550), (134, 4589), (158, 4772), (160, 4775), (185, 4907), (187, 4913), (205, 5033), (230, 5087), (248, 5138), (268, 5201), (274, 5234),

Gene: Roosevelt_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Roosevelt_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Rope_35 Start: 32238, Stop: 33707, Start Num: 32
Candidate Starts for Rope_35:
(Start: 32 @32238 has 40 MA's), (40, 32280), (50, 32343), (62, 32445), (63, 32463), (82, 32592), (83, 32610), (86, 32652), (87, 32664), (93, 32712), (114, 32820), (116, 32829), (123, 32862), (134, 32916), (140, 32961), (156, 33120), (161, 33141), (162, 33144), (170, 33189), (174, 33219), (193, 33303), (195, 33327), (205, 33372), (215, 33396), (247, 33483), (257, 33513), (276, 33576), (292, 33618),

Gene: Rosa24_7 Start: 3926, Stop: 5407, Start Num: 23
Candidate Starts for Rosa24_7:
(Start: 23 @3926 has 243 MA's), (Start: 41 @4004 has 2 MA's), (64, 4184), (86, 4343), (87, 4355), (134, 4604), (143, 4673), (158, 4787), (160, 4790), (171, 4859), (185, 4922), (205, 5045), (216, 5069), (268, 5207), (288, 5279), (297, 5300), (301, 5318),

Gene: Rosebush_46 Start: 40912, Stop: 42423, Start Num: 29
Candidate Starts for Rosebush_46:
(Start: 29 @40912 has 45 MA's), (Start: 32 @40924 has 40 MA's), (52, 41035), (62, 41131), (72, 41236), (80, 41266), (85, 41311), (86, 41350), (87, 41362), (99, 41488), (102, 41497), (103, 41503), (107, 41521), (111, 41533), (113, 41536), (117, 41548), (119, 41554), (133, 41620), (146, 41752), (152, 41809), (156, 41839), (161, 41860), (170, 41908), (175, 41938), (186, 41968), (188, 41974), (194, 42040), (209, 42097), (233, 42154), (240, 42172), (241, 42175), (266, 42247), (268, 42256), (270, 42265), (296, 42349),

Gene: Rubeus_9 Start: 4167, Stop: 5600, Start Num: 25
Candidate Starts for Rubeus_9:
(Start: 25 @4167 has 181 MA's), (Start: 35 @4215 has 4 MA's), (47, 4269), (64, 4419), (83, 4521), (85, 4524), (86, 4563), (134, 4818), (154, 4977), (162, 5004), (205, 5235), (220, 5268), (261, 5364), (278, 5418), (293, 5460), (306, 5511),

Gene: Rufus_9 Start: 4224, Stop: 5657, Start Num: 25
Candidate Starts for Rufus_9:
(Start: 25 @4224 has 181 MA's), (Start: 35 @4272 has 4 MA's), (47, 4326), (64, 4476), (83, 4578), (85, 4581), (86, 4620), (134, 4875), (154, 5034), (180, 5148), (205, 5292), (220, 5325), (261, 5421), (278, 5475), (293, 5517), (306, 5568),

Gene: Ruin_8 Start: 3920, Stop: 5422, Start Num: 23
Candidate Starts for Ruin_8:
(Start: 23 @3920 has 243 MA's), (52, 4055), (64, 4172), (82, 4274), (83, 4292), (86, 4331), (87, 4343), (106, 4481), (128, 4550), (134, 4589), (158, 4772), (160, 4775), (185, 4907), (187, 4913), (205, 5033), (230, 5087), (248, 5138), (268, 5201), (274, 5234),

Gene: Ruotula_8 Start: 4785, Stop: 6218, Start Num: 25
Candidate Starts for Ruotula_8:
(Start: 25 @4785 has 181 MA's), (Start: 35 @4833 has 4 MA's), (64, 5037), (83, 5139), (85, 5142), (86, 5181), (134, 5436), (154, 5595), (162, 5622), (205, 5853), (220, 5886), (278, 6036), (293, 6078), (306, 6129),

Gene: Rutherferd_10 Start: 4685, Stop: 6118, Start Num: 25
Candidate Starts for Rutherferd_10:
(Start: 25 @4685 has 181 MA's), (Start: 35 @4733 has 4 MA's), (64, 4937), (83, 5039), (85, 5042), (86, 5081), (134, 5336), (154, 5495), (162, 5522), (205, 5753), (220, 5786), (278, 5936), (293, 5978), (306, 6029),

Gene: STLscum_10 Start: 4777, Stop: 6189, Start Num: 25
Candidate Starts for STLscum_10:
(Start: 25 @4777 has 181 MA's), (Start: 35 @4825 has 4 MA's), (64, 5029), (80, 5101), (85, 5134), (86, 5173), (134, 5407), (154, 5566), (162, 5593), (205, 5824), (220, 5857), (261, 5953), (278, 6007), (293, 6049), (304, 6085), (306, 6100),

Gene: Sabella_46 Start: 40801, Stop: 42300, Start Num: 32
Candidate Starts for Sabella_46:
(Start: 29 @40789 has 45 MA's), (Start: 32 @40801 has 40 MA's), (52, 40912), (62, 41008), (72, 41113), (80, 41143), (85, 41188), (86, 41227), (87, 41239), (99, 41365), (102, 41374), (103, 41380), (107, 41398), (111, 41410), (113, 41413), (117, 41425), (119, 41431), (133, 41497), (138, 41548), (146, 41629), (152, 41686), (156, 41716), (161, 41737), (170, 41785), (175, 41815), (186, 41845), (188, 41851), (194, 41917), (209, 41974), (233, 42031), (240, 42049), (241, 42052), (266, 42124), (268, 42133), (270, 42142), (296, 42226),

Gene: Sabertooth_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Sabertooth_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Sagefire_10 Start: 5438, Stop: 6871, Start Num: 25
Candidate Starts for Sagefire_10:
(Start: 25 @5438 has 181 MA's), (Start: 35 @5486 has 4 MA's), (64, 5690), (83, 5792), (85, 5795), (86, 5834), (134, 6089), (154, 6248), (162, 6275), (205, 6506), (220, 6539), (278, 6689), (293, 6731), (306, 6782),

Gene: Samty_26 Start: 24965, Stop: 26437, Start Num: 25
Candidate Starts for Samty_26:
(Start: 25 @24965 has 181 MA's), (Start: 35 @25013 has 4 MA's), (47, 25067), (51, 25097), (52, 25100), (57, 25142), (64, 25217), (86, 25361), (88, 25373), (134, 25601), (144, 25670), (160, 25787), (185, 25919), (187, 25925), (205, 26045), (220, 26078), (225, 26090), (248, 26150), (273, 26228), (310, 26393),

Gene: Sandaddy_8 Start: 4561, Stop: 5994, Start Num: 25

Candidate Starts for Sandaddy_8:
(Start: 25 @4561 has 181 MA's), (Start: 35 @4609 has 4 MA's), (64, 4813), (83, 4915), (85, 4918), (86, 4957), (100, 5089), (134, 5212), (162, 5398), (205, 5629), (220, 5662), (261, 5758), (278, 5812), (293, 5854), (306, 5905),

Gene: Sanya_9 Start: 5223, Stop: 6656, Start Num: 25
Candidate Starts for Sanya_9:
(Start: 25 @5223 has 181 MA's), (Start: 35 @5271 has 4 MA's), (47, 5325), (64, 5475), (83, 5577), (85, 5580), (86, 5619), (134, 5874), (154, 6033), (162, 6060), (205, 6291), (220, 6324), (261, 6420), (278, 6474), (293, 6516), (304, 6552), (306, 6567),

Gene: SarFire_9 Start: 4422, Stop: 5855, Start Num: 25
Candidate Starts for SarFire_9:
(Start: 25 @4422 has 181 MA's), (Start: 35 @4470 has 4 MA's), (64, 4674), (83, 4776), (85, 4779), (86, 4818), (134, 5073), (154, 5232), (162, 5259), (205, 5490), (220, 5523), (261, 5619), (278, 5673), (293, 5715), (306, 5766),

Gene: Scamp_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Scamp_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Scowl_10 Start: 5114, Stop: 6547, Start Num: 25
Candidate Starts for Scowl_10:
(Start: 25 @5114 has 181 MA's), (Start: 35 @5162 has 4 MA's), (64, 5366), (83, 5468), (85, 5471), (86, 5510), (134, 5765), (154, 5924), (162, 5951), (205, 6182), (220, 6215), (278, 6365), (293, 6407), (306, 6458),

Gene: Seabiscuit_10 Start: 4305, Stop: 5738, Start Num: 25
Candidate Starts for Seabiscuit_10:
(Start: 25 @4305 has 181 MA's), (Start: 35 @4353 has 4 MA's), (47, 4407), (64, 4557), (83, 4659), (85, 4662), (86, 4701), (134, 4956), (154, 5115), (162, 5142), (180, 5229), (205, 5373), (220, 5406), (261, 5502), (278, 5556), (293, 5598), (306, 5649),

Gene: Seanderson_10 Start: 5093, Stop: 6526, Start Num: 25
Candidate Starts for Seanderson_10:
(Start: 25 @5093 has 181 MA's), (Start: 35 @5141 has 4 MA's), (64, 5345), (83, 5447), (85, 5450), (86, 5489), (134, 5744), (154, 5903), (162, 5930), (205, 6161), (220, 6194), (278, 6344), (293, 6386), (306, 6437),

Gene: Send513_35 Start: 32594, Stop: 34063, Start Num: 32
Candidate Starts for Send513_35:
(Start: 32 @32594 has 40 MA's), (50, 32699), (62, 32801), (82, 32948), (83, 32966), (86, 33008), (87, 33020), (93, 33068), (109, 33164), (114, 33176), (116, 33185), (123, 33218), (134, 33272), (140, 33317), (156, 33476), (161, 33497), (162, 33500), (170, 33545), (174, 33575), (192, 33644), (193, 33659), (195, 33683), (205, 33728), (215, 33752), (247, 33839), (257, 33869), (276, 33932), (292, 33974),

Gene: SenorClean_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for SenorClean_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088),

(248, 5139), (268, 5202), (274, 5235),

Gene: Severus_8 Start: 2284, Stop: 3780, Start Num: 29
Candidate Starts for Severus_8:
(Start: 29 @2284 has 45 MA's), (Start: 33 @2302 has 1 MA's), (58, 2452), (66, 2563), (72, 2596), (79, 2617), (86, 2710), (87, 2722), (91, 2755), (134, 2962), (155, 3154), (159, 3169), (165, 3196), (185, 3280), (187, 3286), (203, 3406), (213, 3430), (219, 3442), (230, 3469), (259, 3559), (266, 3574), (281, 3631), (302, 3712),

Gene: Shaka_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Shaka_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: SheldonCooper_8 Start: 3929, Stop: 5410, Start Num: 23
Candidate Starts for SheldonCooper_8:
(Start: 23 @3929 has 243 MA's), (Start: 41 @4007 has 2 MA's), (64, 4187), (86, 4346), (87, 4358), (134, 4607), (143, 4676), (158, 4790), (160, 4793), (171, 4862), (185, 4925), (205, 5048), (216, 5072), (268, 5210), (288, 5282), (297, 5303), (301, 5321),

Gene: ShortQueendom_8 Start: 4019, Stop: 5446, Start Num: 25
Candidate Starts for ShortQueendom_8:
(Start: 25 @4019 has 181 MA's), (Start: 35 @4067 has 4 MA's), (64, 4271), (80, 4343), (86, 4415), (134, 4670), (154, 4829), (162, 4856), (205, 5087), (220, 5120), (261, 5216), (278, 5270), (293, 5312), (306, 5363),

Gene: Shygu2_8 Start: 3930, Stop: 5426, Start Num: 23
Candidate Starts for Shygu2_8:
(Start: 23 @3930 has 243 MA's), (Start: 41 @4008 has 2 MA's), (52, 4065), (53, 4068), (64, 4182), (83, 4302), (86, 4341), (87, 4353), (134, 4602), (143, 4671), (158, 4785), (160, 4788), (185, 4920), (187, 4926), (205, 5043), (248, 5148), (264, 5196), (285, 5274), (305, 5361),

Gene: Sibs6_10 Start: 4360, Stop: 5793, Start Num: 25
Candidate Starts for Sibs6_10:
(Start: 25 @4360 has 181 MA's), (Start: 35 @4408 has 4 MA's), (47, 4462), (64, 4612), (83, 4714), (85, 4717), (86, 4756), (134, 5011), (154, 5170), (162, 5197), (205, 5428), (220, 5461), (261, 5557), (278, 5611), (293, 5653), (306, 5704),

Gene: Skadoosh_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Skadoosh_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: SkiPole_11 Start: 4757, Stop: 6169, Start Num: 25
Candidate Starts for SkiPole_11:
(Start: 25 @4757 has 181 MA's), (Start: 35 @4805 has 4 MA's), (64, 5009), (80, 5081), (85, 5114), (86, 5153), (134, 5387), (154, 5546), (162, 5573), (205, 5804), (220, 5837), (278, 5987), (293, 6029), (306, 6080),

Gene: Skipitt_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Skipitt_8:

(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Slagathor_9 Start: 4178, Stop: 5611, Start Num: 25
Candidate Starts for Slagathor_9:
(Start: 25 @4178 has 181 MA's), (Start: 35 @4226 has 4 MA's), (64, 4430), (83, 4532), (85, 4535), (86, 4574), (134, 4829), (154, 4988), (162, 5015), (205, 5246), (220, 5279), (278, 5429), (293, 5471), (306, 5522),

Gene: Smairt_10 Start: 5033, Stop: 6466, Start Num: 25
Candidate Starts for Smairt_10:
(Start: 25 @5033 has 181 MA's), (Start: 35 @5081 has 4 MA's), (64, 5285), (80, 5357), (86, 5429), (134, 5684), (154, 5843), (162, 5870), (205, 6101), (220, 6134), (261, 6230), (278, 6284), (293, 6326), (306, 6377),

Gene: Smeagan_11 Start: 5112, Stop: 6434, Start Num: 23
Candidate Starts for Smeagan_11:
(Start: 23 @5112 has 243 MA's), (44, 5196), (47, 5214), (57, 5289), (75, 5430), (86, 5523), (87, 5535), (91, 5583), (122, 5679), (139, 5751), (148, 5799), (197, 6018), (205, 6051), (231, 6105), (248, 6156), (262, 6201), (268, 6219), (285, 6282), (305, 6369),

Gene: Smeagol_10 Start: 5472, Stop: 6884, Start Num: 25
Candidate Starts for Smeagol_10:
(Start: 25 @5472 has 181 MA's), (Start: 35 @5520 has 4 MA's), (64, 5724), (80, 5796), (85, 5829), (86, 5868), (134, 6102), (154, 6261), (162, 6288), (205, 6519), (220, 6552), (278, 6702), (293, 6744), (306, 6795),

Gene: Snazzy_7 Start: 4064, Stop: 5476, Start Num: 25
Candidate Starts for Snazzy_7:
(Start: 25 @4064 has 181 MA's), (Start: 35 @4112 has 4 MA's), (64, 4316), (80, 4388), (85, 4421), (86, 4460), (134, 4694), (154, 4853), (162, 4880), (205, 5111), (220, 5144), (261, 5240), (278, 5294), (293, 5336), (306, 5387),

Gene: Snenia_26 Start: 24963, Stop: 26435, Start Num: 25
Candidate Starts for Snenia_26:
(Start: 25 @24963 has 181 MA's), (Start: 35 @25011 has 4 MA's), (47, 25065), (51, 25095), (52, 25098), (57, 25140), (64, 25215), (86, 25359), (88, 25371), (134, 25599), (144, 25668), (160, 25785), (185, 25917), (187, 25923), (205, 26043), (220, 26076), (225, 26088), (248, 26148), (273, 26226), (310, 26391),

Gene: Solon_9 Start: 5234, Stop: 6628, Start Num: 30
Candidate Starts for Solon_9:
(20, 5192), (Start: 30 @5234 has 10 MA's), (46, 5312), (64, 5468), (85, 5573), (86, 5612), (134, 5846), (154, 6005), (205, 6263), (220, 6296), (261, 6392), (278, 6446), (293, 6488), (306, 6539),

Gene: Sorpresa_9 Start: 4561, Stop: 5994, Start Num: 25
Candidate Starts for Sorpresa_9:
(Start: 25 @4561 has 181 MA's), (Start: 35 @4609 has 4 MA's), (64, 4813), (83, 4915), (85, 4918), (86, 4957), (100, 5089), (134, 5212), (162, 5398), (205, 5629), (220, 5662), (261, 5758), (278, 5812), (293, 5854), (306, 5905),

Gene: Sparxx_8 Start: 3921, Stop: 5423, Start Num: 23

Candidate Starts for Sparxx_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: SpikeBT_10 Start: 4981, Stop: 6429, Start Num: 19
Candidate Starts for SpikeBT_10:
(15, 4972), (Start: 19 @4981 has 3 MA's), (Start: 23 @5008 has 243 MA's), (64, 5287), (73, 5329), (86, 5422), (100, 5524), (134, 5647), (154, 5806), (162, 5833), (205, 6064), (220, 6097), (278, 6247), (293, 6289), (306, 6340),

Gene: Spino_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Spino_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Squee_9 Start: 4741, Stop: 6135, Start Num: 30
Candidate Starts for Squee_9:
(20, 4699), (Start: 30 @4741 has 10 MA's), (46, 4819), (64, 4975), (85, 5080), (86, 5119), (134, 5353), (154, 5512), (162, 5539), (180, 5626), (205, 5770), (220, 5803), (278, 5953), (293, 5995), (304, 6031), (306, 6046),

Gene: Squint_46 Start: 37628, Stop: 39016, Start Num: 23
Candidate Starts for Squint_46:
(Start: 23 @37628 has 243 MA's), (Start: 35 @37679 has 4 MA's), (46, 37727), (62, 37850), (64, 37883), (70, 37916), (85, 37988), (86, 38027), (122, 38225), (124, 38237), (133, 38273), (134, 38288), (156, 38450), (162, 38474), (176, 38561), (205, 38741), (214, 38762), (272, 38894), (273, 38897), (278, 38912), (279, 38915), (303, 38981),

Gene: Stasia_9 Start: 4345, Stop: 5856, Start Num: 23
Candidate Starts for Stasia_9:
(13, 4282), (Start: 23 @4345 has 243 MA's), (52, 4480), (64, 4597), (83, 4717), (86, 4756), (87, 4768), (116, 4930), (134, 5017), (143, 5086), (158, 5200), (160, 5203), (185, 5335), (186, 5338), (187, 5341), (205, 5461), (225, 5506), (230, 5515), (248, 5566), (280, 5674), (285, 5692), (305, 5782), (309, 5794),

Gene: SteMason_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for SteMason_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Steamy_11 Start: 6228, Stop: 7583, Start Num: 29
Candidate Starts for Steamy_11:
(26, 6219), (Start: 29 @6228 has 45 MA's), (47, 6327), (49, 6336), (64, 6477), (65, 6483), (77, 6537), (86, 6618), (88, 6630), (106, 6750), (108, 6756), (134, 6864), (137, 6894), (154, 7023), (160, 7041), (217, 7302), (244, 7359), (261, 7398),

Gene: StewieG_8 Start: 4432, Stop: 5844, Start Num: 25
Candidate Starts for StewieG_8:
(Start: 25 @4432 has 181 MA's), (Start: 35 @4480 has 4 MA's), (64, 4684), (80, 4756), (85, 4789), (86, 4828), (134, 5062), (154, 5221), (205, 5479), (220, 5512), (278, 5662), (293, 5704), (306, 5755),

Gene: Stink_8 Start: 3925, Stop: 5397, Start Num: 23
Candidate Starts for Stink_8:
(Start: 23 @3925 has 243 MA's), (64, 4177), (86, 4336), (87, 4348), (134, 4594), (143, 4663), (156, 4765), (158, 4777), (160, 4780), (185, 4912), (195, 4993), (198, 5005), (205, 5035), (216, 5059), (235, 5098), (268, 5197), (280, 5242), (286, 5263),

Gene: StrongArm_8 Start: 4263, Stop: 5696, Start Num: 25
Candidate Starts for StrongArm_8:
(Start: 25 @4263 has 181 MA's), (Start: 35 @4311 has 4 MA's), (64, 4515), (80, 4587), (86, 4659), (134, 4914), (154, 5073), (205, 5331), (220, 5364), (261, 5460), (278, 5514), (293, 5556), (304, 5592), (306, 5607),

Gene: Sultana_8 Start: 3922, Stop: 5424, Start Num: 23
Candidate Starts for Sultana_8:
(Start: 23 @3922 has 243 MA's), (52, 4057), (64, 4174), (82, 4276), (83, 4294), (86, 4333), (87, 4345), (106, 4483), (128, 4552), (134, 4591), (158, 4774), (160, 4777), (185, 4909), (187, 4915), (205, 5035), (230, 5089), (248, 5140), (268, 5203), (274, 5236),

Gene: Sumter_8 Start: 4166, Stop: 5587, Start Num: 23
Candidate Starts for Sumter_8:
(Start: 23 @4166 has 243 MA's), (64, 4445), (73, 4487), (86, 4580), (100, 4682), (134, 4805), (154, 4964), (162, 4991), (180, 5078), (205, 5222), (220, 5255), (261, 5351), (278, 5405), (293, 5447), (304, 5483), (306, 5498),

Gene: Sunshine924_8 Start: 4137, Stop: 5570, Start Num: 25
Candidate Starts for Sunshine924_8:
(Start: 25 @4137 has 181 MA's), (Start: 35 @4185 has 4 MA's), (64, 4389), (83, 4491), (85, 4494), (86, 4533), (100, 4665), (134, 4788), (154, 4947), (162, 4974), (205, 5205), (220, 5238), (278, 5388), (293, 5430), (306, 5481),

Gene: Superphikiman_47 Start: 37700, Stop: 39088, Start Num: 23
Candidate Starts for Superphikiman_47:
(Start: 23 @37700 has 243 MA's), (Start: 35 @37751 has 4 MA's), (46, 37799), (62, 37922), (64, 37955), (70, 37988), (85, 38060), (86, 38099), (122, 38297), (124, 38309), (133, 38345), (134, 38360), (156, 38522), (162, 38546), (176, 38633), (205, 38813), (214, 38834), (272, 38966), (273, 38969), (278, 38984), (279, 38987), (303, 39053),

Gene: SwissCheese_9 Start: 4599, Stop: 6032, Start Num: 25
Candidate Starts for SwissCheese_9:
(Start: 25 @4599 has 181 MA's), (Start: 35 @4647 has 4 MA's), (64, 4851), (83, 4953), (85, 4956), (86, 4995), (100, 5127), (134, 5250), (154, 5409), (162, 5436), (205, 5667), (220, 5700), (278, 5850), (293, 5892), (306, 5943),

Gene: Switzer_9 Start: 4184, Stop: 5617, Start Num: 25
Candidate Starts for Switzer_9:
(Start: 25 @4184 has 181 MA's), (Start: 35 @4232 has 4 MA's), (47, 4286), (64, 4436), (83, 4538), (85, 4541), (86, 4580), (134, 4835), (154, 4994), (162, 5021), (180, 5108), (205, 5252), (220, 5285), (261, 5381), (278, 5435), (293, 5477), (304, 5513), (306, 5528),

Gene: Swole_11 Start: 5068, Stop: 6501, Start Num: 25
Candidate Starts for Swole_11:
(Start: 25 @5068 has 181 MA's), (Start: 35 @5116 has 4 MA's), (64, 5320), (83, 5422), (85, 5425), (86, 5464), (134, 5719), (154, 5878), (162, 5905), (205, 6136), (220, 6169), (261, 6265), (278, 6319), (293,

6361), (306, 6412),

Gene: TA17A_48 Start: 40779, Stop: 42290, Start Num: 29
Candidate Starts for TA17A_48:
(Start: 29 @40779 has 45 MA's), (Start: 32 @40791 has 40 MA's), (52, 40902), (62, 40998), (72, 41103), (80, 41133), (82, 41145), (85, 41178), (86, 41217), (87, 41229), (99, 41355), (102, 41364), (103, 41370), (107, 41388), (111, 41400), (113, 41403), (117, 41415), (119, 41421), (133, 41487), (146, 41619), (152, 41676), (156, 41706), (161, 41727), (170, 41775), (175, 41805), (186, 41835), (188, 41841), (194, 41907), (209, 41964), (233, 42021), (240, 42039), (241, 42042), (266, 42114), (268, 42123), (270, 42132), (296, 42216),

Gene: Taquarus_8 Start: 3924, Stop: 5426, Start Num: 23
Candidate Starts for Taquarus_8:
(Start: 23 @3924 has 243 MA's), (52, 4059), (64, 4176), (83, 4296), (86, 4335), (87, 4347), (128, 4554), (134, 4593), (158, 4776), (160, 4779), (185, 4911), (187, 4917), (205, 5037), (230, 5091), (248, 5142), (268, 5205), (274, 5238),

Gene: Target_10 Start: 4856, Stop: 6289, Start Num: 25
Candidate Starts for Target_10:
(Start: 25 @4856 has 181 MA's), (Start: 35 @4904 has 4 MA's), (64, 5108), (83, 5210), (85, 5213), (86, 5252), (134, 5507), (154, 5666), (162, 5693), (205, 5924), (220, 5957), (278, 6107), (293, 6149), (304, 6185), (306, 6200),

Gene: TarsusIV_9 Start: 4687, Stop: 5979, Start Num: 23
Candidate Starts for TarsusIV_9:
(Start: 23 @4687 has 243 MA's), (47, 4789), (69, 4972), (82, 5038), (86, 5080), (87, 5092), (91, 5140), (122, 5245), (139, 5317), (197, 5584), (205, 5617), (217, 5641), (229, 5665), (268, 5779), (270, 5788), (273, 5797), (286, 5845), (305, 5908), (310, 5941),

Gene: Tasp14_10 Start: 4839, Stop: 6272, Start Num: 25
Candidate Starts for Tasp14_10:
(Start: 25 @4839 has 181 MA's), (Start: 35 @4887 has 4 MA's), (64, 5091), (83, 5193), (85, 5196), (86, 5235), (134, 5490), (154, 5649), (162, 5676), (205, 5907), (220, 5940), (278, 6090), (293, 6132), (306, 6183),

Gene: Teodoridan_7 Start: 3991, Stop: 5403, Start Num: 25
Candidate Starts for Teodoridan_7:
(Start: 25 @3991 has 181 MA's), (Start: 35 @4039 has 4 MA's), (64, 4243), (80, 4315), (85, 4348), (86, 4387), (134, 4621), (154, 4780), (162, 4807), (205, 5038), (220, 5071), (278, 5221), (293, 5263), (306, 5314),

Gene: Thanksgivukkah_8 Start: 3926, Stop: 5428, Start Num: 23
Candidate Starts for Thanksgivukkah_8:
(Start: 23 @3926 has 243 MA's), (52, 4061), (64, 4178), (82, 4280), (83, 4298), (86, 4337), (87, 4349), (106, 4487), (128, 4556), (134, 4595), (158, 4778), (160, 4781), (185, 4913), (187, 4919), (205, 5039), (230, 5093), (248, 5144), (268, 5207), (274, 5240),

Gene: TheloniousMonk_10 Start: 5059, Stop: 6516, Start Num: 23
Candidate Starts for TheloniousMonk_10:
(15, 5023), (Start: 19 @5032 has 3 MA's), (Start: 23 @5059 has 243 MA's), (64, 5338), (73, 5380), (86, 5473), (100, 5575), (134, 5698), (154, 5857), (162, 5884), (174, 5959), (205, 6151), (220, 6184), (261, 6280), (278, 6334), (293, 6376), (306, 6427),

Gene: Thibault_41 Start: 38285, Stop: 39661, Start Num: 23
Candidate Starts for Thibault_41:
(Start: 23 @38285 has 243 MA's), (Start: 35 @38336 has 4 MA's), (Start: 41 @38363 has 2 MA's), (46, 38384), (64, 38540), (86, 38684), (100, 38819), (123, 38888), (134, 38942), (161, 39152), (166, 39179), (205, 39386), (214, 39407), (268, 39524), (271, 39536), (273, 39542), (278, 39557), (279, 39560), (291, 39587),

Gene: Thor_9 Start: 4422, Stop: 5855, Start Num: 25
Candidate Starts for Thor_9:
(Start: 25 @4422 has 181 MA's), (Start: 35 @4470 has 4 MA's), (64, 4674), (83, 4776), (85, 4779), (86, 4818), (134, 5073), (154, 5232), (162, 5259), (205, 5490), (220, 5523), (261, 5619), (278, 5673), (293, 5715), (306, 5766),

Gene: Timshel_9 Start: 5547, Stop: 6899, Start Num: 23
Candidate Starts for Timshel_9:
(22, 5532), (Start: 23 @5547 has 243 MA's), (51, 5685), (64, 5805), (86, 5967), (87, 5979), (91, 6027), (141, 6204), (142, 6225), (157, 6339), (158, 6345), (205, 6558), (268, 6699), (310, 6861), (312, 6882),

Gene: TinaFeyge_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for TinaFeyge_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Tinciduntsolum_48 Start: 40935, Stop: 42434, Start Num: 32
Candidate Starts for Tinciduntsolum_48:
(Start: 29 @40923 has 45 MA's), (Start: 32 @40935 has 40 MA's), (52, 41046), (62, 41142), (72, 41247), (80, 41277), (85, 41322), (86, 41361), (87, 41373), (99, 41499), (102, 41508), (103, 41514), (107, 41532), (111, 41544), (113, 41547), (117, 41559), (119, 41565), (133, 41631), (146, 41763), (152, 41820), (156, 41850), (161, 41871), (170, 41919), (175, 41949), (186, 41979), (188, 41985), (194, 42051), (209, 42108), (233, 42165), (240, 42183), (241, 42186), (266, 42258), (268, 42267), (270, 42276), (296, 42360),

Gene: Tinybot_7 Start: 4009, Stop: 5412, Start Num: 41
Candidate Starts for Tinybot_7:
(Start: 23 @3931 has 243 MA's), (Start: 41 @4009 has 2 MA's), (64, 4189), (86, 4348), (87, 4360), (134, 4609), (143, 4678), (158, 4792), (160, 4795), (171, 4864), (185, 4927), (205, 5050), (216, 5074), (268, 5212), (288, 5284), (297, 5305), (301, 5323),

Gene: TiroTheta9_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for TiroTheta9_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: ToneTone_12 Start: 5764, Stop: 6978, Start Num: 29
Candidate Starts for ToneTone_12:
(Start: 29 @5764 has 45 MA's), (Start: 33 @5782 has 1 MA's), (58, 5932), (66, 6043), (80, 6106), (86, 6190), (87, 6202), (91, 6235), (101, 6307), (107, 6325), (130, 6391), (136, 6439), (169, 6658), (181, 6685), (186, 6697), (188, 6703), (198, 6766), (267, 6949),

Gene: Topgun_9 Start: 4348, Stop: 5760, Start Num: 25
Candidate Starts for Topgun_9:

(Start: 25 @4348 has 181 MA's), (Start: 35 @4396 has 4 MA's), (64, 4600), (80, 4672), (85, 4705), (86, 4744), (134, 4978), (153, 5122), (154, 5137), (162, 5164), (205, 5395), (220, 5428), (278, 5578), (293, 5620), (306, 5671),

Gene: Tote_11 Start: 5068, Stop: 6501, Start Num: 25
Candidate Starts for Tote_11:
(Start: 25 @5068 has 181 MA's), (Start: 35 @5116 has 4 MA's), (64, 5320), (83, 5422), (85, 5425), (86, 5464), (134, 5719), (154, 5878), (162, 5905), (205, 6136), (220, 6169), (261, 6265), (278, 6319), (293, 6361), (306, 6412),

Gene: Traft412_11 Start: 5255, Stop: 6688, Start Num: 25
Candidate Starts for Traft412_11:
(Start: 25 @5255 has 181 MA's), (Start: 35 @5303 has 4 MA's), (64, 5507), (83, 5609), (85, 5612), (86, 5651), (134, 5906), (154, 6065), (162, 6092), (205, 6323), (220, 6356), (278, 6506), (293, 6548), (306, 6599),

Gene: Treddle_10 Start: 5074, Stop: 6495, Start Num: 23
Candidate Starts for Treddle_10:
(15, 5038), (Start: 19 @5047 has 3 MA's), (Start: 23 @5074 has 243 MA's), (64, 5353), (73, 5395), (86, 5488), (100, 5590), (134, 5713), (154, 5872), (162, 5899), (205, 6130), (220, 6163), (261, 6259), (278, 6313), (293, 6355), (306, 6406),

Gene: Tres_47 Start: 40804, Stop: 42303, Start Num: 32
Candidate Starts for Tres_47:
(Start: 29 @40792 has 45 MA's), (Start: 32 @40804 has 40 MA's), (52, 40915), (62, 41011), (72, 41116), (80, 41146), (85, 41191), (86, 41230), (87, 41242), (99, 41368), (102, 41377), (103, 41383), (107, 41401), (111, 41413), (113, 41416), (117, 41428), (119, 41434), (133, 41500), (146, 41632), (152, 41689), (156, 41719), (161, 41740), (170, 41788), (175, 41818), (186, 41848), (188, 41854), (194, 41920), (209, 41977), (233, 42034), (240, 42052), (241, 42055), (266, 42127), (268, 42136), (270, 42145), (296, 42229),

Gene: TriFive_26 Start: 24962, Stop: 26434, Start Num: 25
Candidate Starts for TriFive_26:
(Start: 25 @24962 has 181 MA's), (Start: 35 @25010 has 4 MA's), (47, 25064), (51, 25094), (52, 25097), (57, 25139), (64, 25214), (86, 25358), (88, 25370), (134, 25598), (144, 25667), (160, 25784), (185, 25916), (187, 25922), (205, 26042), (220, 26075), (225, 26087), (248, 26147), (273, 26225), (310, 26390),

Gene: Trike_7 Start: 2276, Stop: 3772, Start Num: 29
Candidate Starts for Trike_7:
(Start: 29 @2276 has 45 MA's), (Start: 33 @2294 has 1 MA's), (58, 2444), (66, 2555), (72, 2588), (79, 2609), (86, 2702), (87, 2714), (91, 2747), (134, 2954), (155, 3146), (159, 3161), (165, 3188), (185, 3272), (187, 3278), (203, 3398), (213, 3422), (219, 3434), (230, 3461), (259, 3551), (266, 3566), (281, 3623), (302, 3704),

Gene: Tripl3t_10 Start: 5250, Stop: 6683, Start Num: 25
Candidate Starts for Tripl3t_10:
(Start: 25 @5250 has 181 MA's), (Start: 35 @5298 has 4 MA's), (64, 5502), (83, 5604), (85, 5607), (86, 5646), (134, 5901), (154, 6060), (162, 6087), (205, 6318), (220, 6351), (278, 6501), (293, 6543), (306, 6594),

Gene: Tristan_10 Start: 6216, Stop: 7721, Start Num: 23
Candidate Starts for Tristan_10:

(Start: 23 @6216 has 243 MA's), (86, 6627), (87, 6639), (134, 6894), (143, 6963), (158, 7077), (160, 7080), (185, 7212), (205, 7335), (224, 7377), (248, 7440), (285, 7566), (305, 7656),

Gene: Trooper_9 Start: 4486, Stop: 5796, Start Num: 23
Candidate Starts for Trooper_9:
(Start: 23 @4486 has 243 MA's), (47, 4588), (69, 4771), (82, 4837), (86, 4879), (87, 4891), (91, 4939), (122, 5032), (139, 5104), (197, 5371), (205, 5404), (225, 5449), (248, 5509), (285, 5635), (309, 5737),

Gene: Trouble_9 Start: 4899, Stop: 6332, Start Num: 25
Candidate Starts for Trouble_9:
(Start: 25 @4899 has 181 MA's), (Start: 35 @4947 has 4 MA's), (64, 5151), (83, 5253), (85, 5256), (86, 5295), (100, 5427), (134, 5550), (154, 5709), (162, 5736), (205, 5967), (220, 6000), (278, 6150), (293, 6192), (306, 6243),

Gene: TroyPia_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for TroyPia_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (106, 4482), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Turbido_11 Start: 5124, Stop: 6437, Start Num: 23
Candidate Starts for Turbido_11:
(Start: 23 @5124 has 243 MA's), (44, 5208), (47, 5226), (57, 5301), (75, 5442), (86, 5535), (87, 5547), (91, 5595), (122, 5691), (139, 5763), (148, 5811), (196, 6027), (197, 6030), (205, 6063), (254, 6195), (305, 6363), (311, 6399),

Gene: Turj99_8 Start: 4343, Stop: 5776, Start Num: 25
Candidate Starts for Turj99_8:
(Start: 25 @4343 has 181 MA's), (Start: 35 @4391 has 4 MA's), (64, 4595), (83, 4697), (85, 4700), (86, 4739), (134, 4994), (154, 5153), (162, 5180), (205, 5411), (220, 5444), (278, 5594), (293, 5636), (306, 5687),

Gene: TwoPeat_10 Start: 4861, Stop: 6294, Start Num: 25
Candidate Starts for TwoPeat_10:
(Start: 25 @4861 has 181 MA's), (Start: 35 @4909 has 4 MA's), (64, 5113), (83, 5215), (85, 5218), (86, 5257), (134, 5512), (154, 5671), (162, 5698), (205, 5929), (220, 5962), (278, 6112), (293, 6154), (306, 6205),

Gene: TygerBlood_8 Start: 3923, Stop: 5425, Start Num: 23
Candidate Starts for TygerBlood_8:
(Start: 23 @3923 has 243 MA's), (52, 4058), (64, 4175), (83, 4295), (86, 4334), (87, 4346), (128, 4553), (134, 4592), (158, 4775), (160, 4778), (185, 4910), (187, 4916), (205, 5036), (230, 5090), (248, 5141), (268, 5204), (274, 5237),

Gene: U2_8 Start: 4186, Stop: 5619, Start Num: 25
Candidate Starts for U2_8:
(Start: 25 @4186 has 181 MA's), (Start: 35 @4234 has 4 MA's), (47, 4288), (64, 4438), (83, 4540), (85, 4543), (86, 4582), (134, 4837), (154, 4996), (162, 5023), (180, 5110), (205, 5254), (220, 5287), (261, 5383), (278, 5437), (293, 5479), (304, 5515), (306, 5530),

Gene: Ulysses_7 Start: 3670, Stop: 5151, Start Num: 23
Candidate Starts for Ulysses_7:

(13, 3607), (Start: 23 @3670 has 243 MA's), (Start: 41 @3748 has 2 MA's), (64, 3928), (86, 4087), (87, 4099), (134, 4348), (143, 4417), (158, 4531), (160, 4534), (185, 4666), (205, 4789), (216, 4813), (268, 4951), (288, 5023), (297, 5044), (301, 5062),

Gene: Vic9_00046 Start: 41313, Stop: 42812, Start Num: 32
Candidate Starts for Vic9_00046:
(Start: 29 @41301 has 45 MA's), (Start: 32 @41313 has 40 MA's), (46, 41385), (52, 41424), (62, 41520), (72, 41625), (80, 41655), (85, 41700), (86, 41739), (87, 41751), (99, 41877), (102, 41886), (103, 41892), (107, 41910), (111, 41922), (113, 41925), (117, 41937), (119, 41943), (133, 42009), (146, 42141), (152, 42198), (156, 42228), (161, 42249), (170, 42297), (175, 42327), (186, 42357), (188, 42363), (194, 42429), (209, 42486), (233, 42543), (240, 42561), (241, 42564), (266, 42636), (268, 42645), (270, 42654), (296, 42738),

Gene: Violet_8 Start: 4156, Stop: 5568, Start Num: 25
Candidate Starts for Violet_8:
(Start: 25 @4156 has 181 MA's), (Start: 35 @4204 has 4 MA's), (64, 4408), (80, 4480), (85, 4513), (86, 4552), (134, 4786), (154, 4945), (162, 4972), (205, 5203), (220, 5236), (278, 5386), (293, 5428), (306, 5479),

Gene: Wander_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for Wander_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Watermelon_11 Start: 5450, Stop: 6883, Start Num: 25
Candidate Starts for Watermelon_11:
(Start: 25 @5450 has 181 MA's), (Start: 35 @5498 has 4 MA's), (64, 5702), (83, 5804), (85, 5807), (86, 5846), (134, 6101), (154, 6260), (162, 6287), (205, 6518), (220, 6551), (278, 6701), (293, 6743), (306, 6794),

Gene: Weiss13_35 Start: 32290, Stop: 33759, Start Num: 32
Candidate Starts for Weiss13_35:
(Start: 32 @32290 has 40 MA's), (40, 32332), (50, 32395), (62, 32497), (82, 32644), (83, 32662), (86, 32704), (87, 32716), (93, 32764), (109, 32860), (114, 32872), (116, 32881), (123, 32914), (134, 32968), (140, 33013), (156, 33172), (161, 33193), (162, 33196), (170, 33241), (174, 33271), (192, 33340), (193, 33355), (195, 33379), (205, 33424), (215, 33448), (247, 33535), (257, 33565), (269, 33598), (276, 33628), (292, 33670),

Gene: West99_47 Start: 40924, Stop: 42423, Start Num: 32
Candidate Starts for West99_47:
(Start: 29 @40912 has 45 MA's), (Start: 32 @40924 has 40 MA's), (52, 41035), (62, 41131), (72, 41236), (80, 41266), (85, 41311), (86, 41350), (87, 41362), (99, 41488), (102, 41497), (103, 41503), (107, 41521), (111, 41533), (113, 41536), (117, 41548), (119, 41554), (133, 41620), (146, 41752), (152, 41809), (156, 41839), (161, 41860), (170, 41908), (175, 41938), (186, 41968), (188, 41974), (194, 42040), (209, 42097), (233, 42154), (240, 42172), (241, 42175), (266, 42247), (268, 42256), (270, 42265), (296, 42349),

Gene: Whabigail7_11 Start: 5127, Stop: 6449, Start Num: 23
Candidate Starts for Whabigail7_11:
(Start: 23 @5127 has 243 MA's), (44, 5211), (47, 5229), (57, 5304), (75, 5445), (86, 5538), (87, 5550), (91, 5598), (122, 5694), (139, 5766), (148, 5814), (197, 6033), (205, 6066), (231, 6120), (248, 6171), (262, 6216), (268, 6234), (285, 6297),

Gene: Wheeler_9 Start: 4616, Stop: 6049, Start Num: 25
Candidate Starts for Wheeler_9:
(Start: 25 @4616 has 181 MA's), (Start: 35 @4664 has 4 MA's), (64, 4868), (83, 4970), (85, 4973), (86, 5012), (134, 5267), (154, 5426), (162, 5453), (205, 5684), (220, 5717), (261, 5813), (278, 5867), (293, 5909), (306, 5960),

Gene: Whirlwind_27 Start: 24700, Stop: 26172, Start Num: 25
Candidate Starts for Whirlwind_27:
(Start: 25 @24700 has 181 MA's), (Start: 35 @24748 has 4 MA's), (47, 24802), (52, 24835), (64, 24952), (82, 25036), (86, 25096), (88, 25108), (91, 25138), (134, 25336), (160, 25522), (185, 25654), (186, 25657), (187, 25660), (205, 25780), (220, 25813), (248, 25885), (273, 25963), (310, 26128),

Gene: Whitspit_10 Start: 5239, Stop: 6633, Start Num: 30
Candidate Starts for Whitspit_10:
(20, 5197), (Start: 30 @5239 has 10 MA's), (46, 5317), (64, 5473), (85, 5578), (86, 5617), (134, 5851), (154, 6010), (162, 6037), (205, 6268), (220, 6301), (261, 6397), (278, 6451), (293, 6493), (306, 6544),

Gene: Wiks_13 Start: 5832, Stop: 7046, Start Num: 29
Candidate Starts for Wiks_13:
(Start: 29 @5832 has 45 MA's), (Start: 33 @5850 has 1 MA's), (57, 5997), (58, 6000), (66, 6111), (72, 6144), (80, 6174), (86, 6258), (87, 6270), (91, 6303), (101, 6375), (107, 6393), (130, 6459), (136, 6507), (169, 6726), (181, 6753), (186, 6765), (188, 6771), (198, 6834), (267, 7017),

Gene: Wilbur_8 Start: 3920, Stop: 5422, Start Num: 23
Candidate Starts for Wilbur_8:
(Start: 23 @3920 has 243 MA's), (52, 4055), (64, 4172), (83, 4292), (86, 4331), (87, 4343), (106, 4481), (128, 4550), (134, 4589), (158, 4772), (160, 4775), (185, 4907), (187, 4913), (205, 5033), (230, 5087), (248, 5138), (268, 5201), (274, 5234),

Gene: Wile_8 Start: 3937, Stop: 5433, Start Num: 23
Candidate Starts for Wile_8:
(Start: 23 @3937 has 243 MA's), (52, 4072), (57, 4114), (64, 4189), (82, 4291), (83, 4309), (86, 4348), (87, 4360), (134, 4609), (158, 4792), (160, 4795), (185, 4927), (186, 4930), (187, 4933), (195, 5008), (205, 5050), (248, 5155), (264, 5203), (280, 5263), (285, 5281), (300, 5347), (305, 5368),

Gene: Wilkins_9 Start: 4348, Stop: 5760, Start Num: 25
Candidate Starts for Wilkins_9:
(Start: 25 @4348 has 181 MA's), (Start: 35 @4396 has 4 MA's), (64, 4600), (80, 4672), (85, 4705), (86, 4744), (134, 4978), (153, 5122), (154, 5137), (162, 5164), (205, 5395), (220, 5428), (278, 5578), (293, 5620), (306, 5671),

Gene: Wizard007_8 Start: 3923, Stop: 5425, Start Num: 23
Candidate Starts for Wizard007_8:
(Start: 23 @3923 has 243 MA's), (52, 4058), (64, 4175), (82, 4277), (83, 4295), (86, 4334), (87, 4346), (106, 4484), (128, 4553), (134, 4592), (158, 4775), (160, 4778), (185, 4910), (187, 4916), (205, 5036), (230, 5090), (248, 5141), (268, 5204), (274, 5237),

Gene: WunderPhul_13 Start: 5832, Stop: 7046, Start Num: 29
Candidate Starts for WunderPhul_13:
(Start: 29 @5832 has 45 MA's), (Start: 33 @5850 has 1 MA's), (58, 6000), (66, 6111), (72, 6144), (80, 6174), (86, 6258), (87, 6270), (91, 6303), (101, 6375), (107, 6393), (130, 6459), (136, 6507), (169, 6726), (181, 6753), (186, 6765), (188, 6771), (198, 6834), (267, 7017),

Gene: Xena_8 Start: 3936, Stop: 5432, Start Num: 23
Candidate Starts for Xena_8:
(Start: 23 @3936 has 243 MA's), (52, 4071), (57, 4113), (64, 4188), (82, 4290), (83, 4308), (86, 4347), (87, 4359), (134, 4608), (158, 4791), (160, 4794), (185, 4926), (186, 4929), (187, 4932), (195, 5007), (205, 5049), (248, 5154), (264, 5202), (280, 5262), (285, 5280), (300, 5346), (305, 5367),

Gene: XianYue_9 Start: 4609, Stop: 5916, Start Num: 23
Candidate Starts for XianYue_9:
(Start: 23 @4609 has 243 MA's), (47, 4714), (69, 4897), (82, 4963), (86, 5005), (87, 5017), (91, 5065), (112, 5137), (197, 5488), (205, 5521), (231, 5575), (248, 5626), (260, 5668), (264, 5674), (285, 5752), (305, 5842), (309, 5854),

Gene: Yelo_35 Start: 32583, Stop: 34052, Start Num: 32
Candidate Starts for Yelo_35:
(Start: 32 @32583 has 40 MA's), (40, 32625), (50, 32688), (62, 32790), (82, 32937), (83, 32955), (86, 32997), (87, 33009), (93, 33057), (109, 33153), (114, 33165), (116, 33174), (123, 33207), (134, 33261), (140, 33306), (156, 33465), (161, 33486), (162, 33489), (170, 33534), (174, 33564), (192, 33633), (193, 33648), (195, 33672), (205, 33717), (215, 33741), (247, 33828), (257, 33858), (269, 33891), (276, 33921), (292, 33963),

Gene: YoSam321_8 Start: 3921, Stop: 5423, Start Num: 23
Candidate Starts for YoSam321_8:
(Start: 23 @3921 has 243 MA's), (52, 4056), (64, 4173), (82, 4275), (83, 4293), (86, 4332), (87, 4344), (128, 4551), (134, 4590), (158, 4773), (160, 4776), (185, 4908), (187, 4914), (205, 5034), (230, 5088), (248, 5139), (268, 5202), (274, 5235),

Gene: Yokurt_13 Start: 5832, Stop: 7046, Start Num: 29
Candidate Starts for Yokurt_13:
(Start: 29 @5832 has 45 MA's), (Start: 33 @5850 has 1 MA's), (58, 6000), (66, 6111), (72, 6144), (80, 6174), (86, 6258), (87, 6270), (91, 6303), (101, 6375), (107, 6393), (130, 6459), (136, 6507), (169, 6726), (181, 6753), (186, 6765), (188, 6771), (198, 6834), (267, 7017),

Gene: Zaka_13 Start: 5832, Stop: 7046, Start Num: 29
Candidate Starts for Zaka_13:
(Start: 29 @5832 has 45 MA's), (Start: 33 @5850 has 1 MA's), (58, 6000), (66, 6111), (72, 6144), (80, 6174), (86, 6258), (87, 6270), (91, 6303), (101, 6375), (107, 6393), (130, 6459), (136, 6507), (169, 6726), (181, 6753), (186, 6765), (188, 6771), (198, 6834), (267, 7017),

Gene: Zeeculate_8 Start: 4311, Stop: 5744, Start Num: 25
Candidate Starts for Zeeculate_8:
(Start: 25 @4311 has 181 MA's), (Start: 35 @4359 has 4 MA's), (64, 4563), (83, 4665), (85, 4668), (86, 4707), (134, 4962), (154, 5121), (162, 5148), (205, 5379), (220, 5412), (261, 5508), (278, 5562), (293, 5604), (304, 5640), (306, 5655),

Gene: Zenon_36 Start: 32602, Stop: 34071, Start Num: 32
Candidate Starts for Zenon_36:
(Start: 32 @32602 has 40 MA's), (40, 32644), (50, 32707), (62, 32809), (82, 32956), (83, 32974), (86, 33016), (87, 33028), (93, 33076), (109, 33172), (114, 33184), (116, 33193), (123, 33226), (134, 33280), (140, 33325), (156, 33484), (161, 33505), (162, 33508), (170, 33553), (174, 33583), (192, 33652), (193, 33667), (195, 33691), (205, 33736), (215, 33760), (247, 33847), (257, 33877), (258, 33880), (269, 33910), (276, 33940), (292, 33982),

Gene: Zenteno07_51 Start: 39992, Stop: 41485, Start Num: 29
Candidate Starts for Zenteno07_51:
(2, 39143), (3, 39170), (6, 39530), (8, 39560), (9, 39617), (16, 39938), (Start: 29 @39992 has 45 MA's), (Start: 32 @40004 has 40 MA's), (55, 40136), (57, 40157), (58, 40160), (68, 40280), (80, 40346), (83, 40376), (86, 40418), (87, 40430), (91, 40469), (99, 40559), (107, 40613), (108, 40616), (119, 40655), (134, 40736), (146, 40853), (151, 40883), (161, 40961), (167, 41000), (170, 41009), (174, 41039), (209, 41198), (239, 41267), (294, 41432), (304, 41474),

Gene: Zephyr_9 Start: 4464, Stop: 5885, Start Num: 23
Candidate Starts for Zephyr_9:
(Start: 23 @4464 has 243 MA's), (64, 4743), (73, 4785), (86, 4878), (100, 4980), (134, 5103), (154, 5262), (162, 5289), (205, 5520), (220, 5553), (261, 5649), (278, 5703), (293, 5745), (306, 5796),

Gene: Zeuska_9 Start: 4959, Stop: 6347, Start Num: 30
Candidate Starts for Zeuska_9:
(20, 4917), (Start: 30 @4959 has 10 MA's), (46, 5037), (64, 5193), (85, 5298), (86, 5337), (134, 5571), (154, 5730), (162, 5757), (205, 5988), (220, 6021), (278, 6171), (293, 6213), (306, 6264), (313, 6324),

Gene: Zimmer_11 Start: 6242, Stop: 7636, Start Num: 29
Candidate Starts for Zimmer_11:
(Start: 29 @6242 has 45 MA's), (39, 6296), (46, 6332), (47, 6338), (49, 6347), (52, 6371), (64, 6488), (77, 6548), (86, 6629), (88, 6641), (108, 6767), (124, 6824), (134, 6875), (156, 7037), (163, 7070), (172, 7124), (189, 7187), (206, 7295), (268, 7436), (269, 7439), (289, 7502), (298, 7541), (315, 7622),

Gene: Zulu_13 Start: 5849, Stop: 7045, Start Num: 33
Candidate Starts for Zulu_13:
(Start: 29 @5831 has 45 MA's), (Start: 33 @5849 has 1 MA's), (58, 5999), (66, 6110), (72, 6143), (80, 6173), (86, 6257), (87, 6269), (91, 6302), (101, 6374), (107, 6392), (130, 6458), (136, 6506), (169, 6725), (181, 6752), (186, 6764), (188, 6770), (198, 6833), (267, 7016),