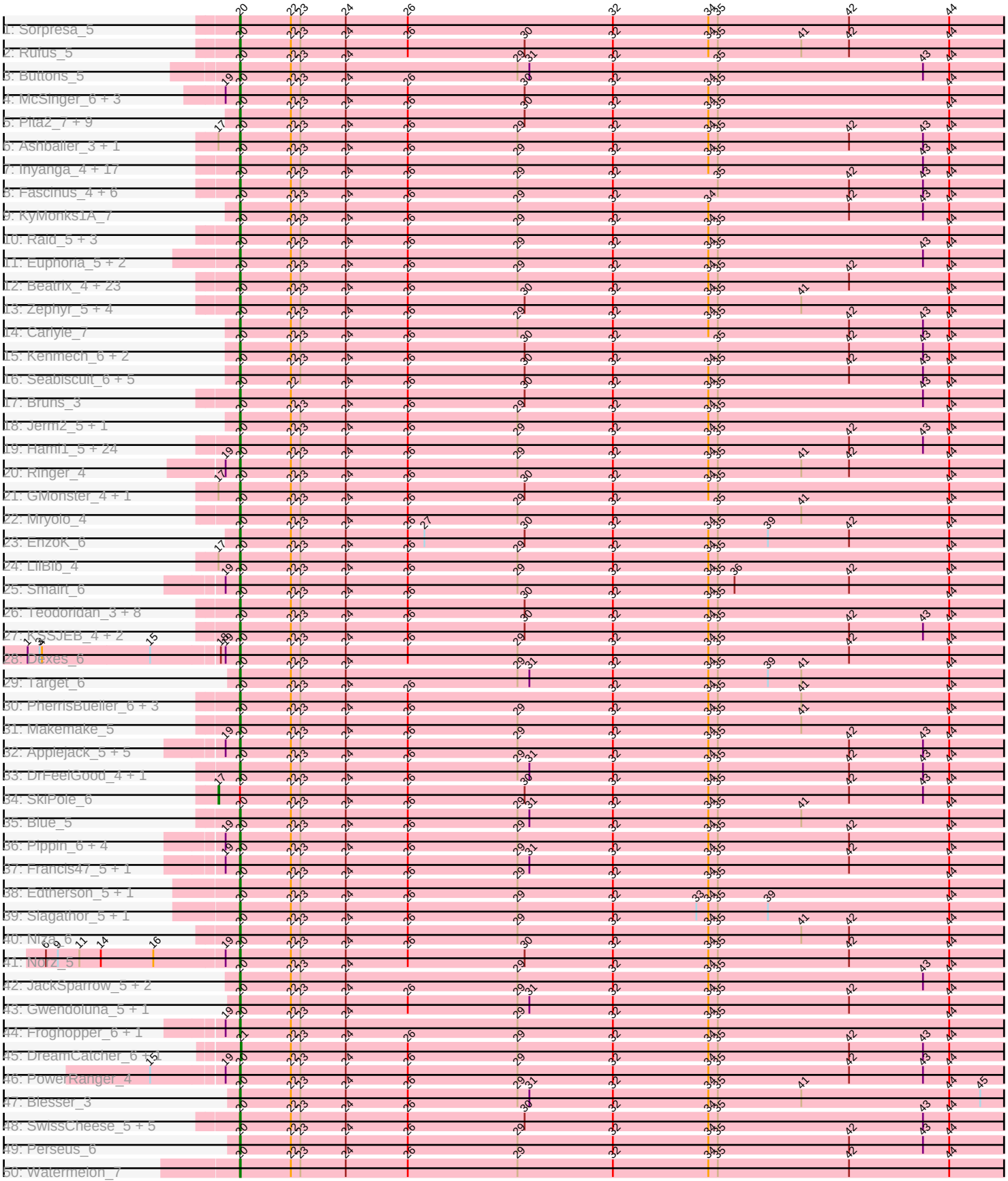
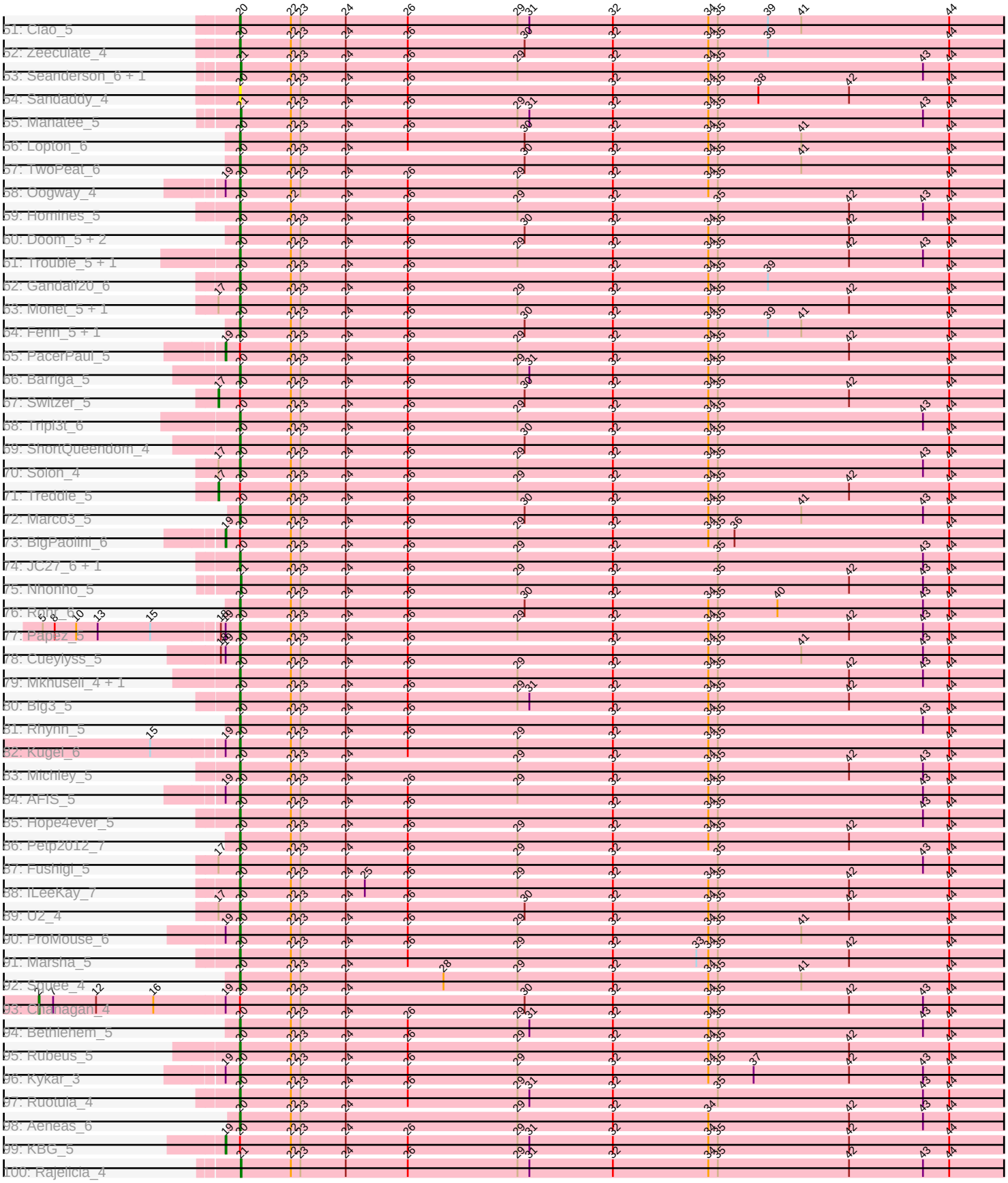
Pham 341732


1: Sorpresa_5
2: Rufus_5
3: Buttons_5
4: McSinger_6 + 3
5: Pita2_7 + 9
6: Ashballer_3 + 1
7: Inyanga_4 + 17
8: Fascinus_4 + 6
9: KyMonks1A_7
10: Raid_5 + 3
11: Euphoria_5 + 2
12: Beatrix_4 + 23
13: Zephyr_5 + 4
14: Carlyle_7
15: Kenmech_6 + 2
16: Seabiscuit_6 + 5
17: Bruns_3
18: Jerm2_5 + 1
19: Hamh1_5 + 24
20: Ringer_4
21: GMonster_4 + 1
22: Mryolo_4
23: EnzoK_6
24: LilBib_4
25: Smairt_6
26: Teodoridan_3 + 8
27: KrSSJEB_4 + 2
28: Dexes_6
29: Target_6
30: PhernisBueller_6 + 3
31: Makemake_5
32: Applejack_5 + 5
33: DrFeelGood_4 + 1
34: SkiPole_6
35: Blue_5
36: Pippin_6 + 4
37: Francis47_5 + 1
38: Edtherson_5 + 1
39: Slagathor_5 + 1
40: Nrg_6
41: Nolz_5
42: JackSparrow_5 + 2
43: Gwendoluna_5 + 1
44: Froghopper_6 + 1
45: DreamCatcher_6 + 1
46: PowerRanger_4
47: Blesser_3
48: SwissCheese_5 + 5
49: Perseus_6
50: Watermelon_7

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51: Ciao_5
52: Zeeculate_4
53: Seanderson_6 + 1
54: Sandaddy_4
55: Manatee_5
56: Lopton_6
57: TwoPeat_6
58: Oogway_4
59: Homines_5
60: Doom_5 + 2
61: Trouble_5 + 1
62: Gandalf20_6
63: Monet_5 + 1
64: Fenn_5 + 1
65: PacerPaul_5
66: Barriga_5
67: Switzer_5
68: Trip3t_6
69: ShortQueendom_4
70: Solon_4
71: Treddie_5
72: Marco3_5
73: BigPaolini_6
74: JC27_6 + 1
75: Nhonho_5
76: RdM_6
77: Papez_5
78: Cueylyss_5
79: Mknusell_4 + 1
80: Big3_5
81: Rhynn_5
82: Kugel_6
83: Michley_5
84: AFIS_5
85: Hope4ever_5
86: Petp2012_7
87: Fushigi_5
88: TLeeKay_7
89: U2_4
90: ProMouse_6
91: Marsha_5
92: Squee_4
93: Chanagan_4
94: Bethlehem_5
95: Rubeus_5
96: Kykar_3
97: Ruotula_4
98: Aeneas_6
99: KBG_5
100: Rajelicia_4

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 341732 Report

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

Pham number 341732 has 245 members, 14 are drafts.

Phages represented in each track:
• Track 1 : Sorpresa_5
• Track 2 : Rufus_5
• Track 3 : Buttons_5
• Track 4 : McSinger_6, Bigchungi_4, Snazzy_3, Sanya_5
• Track 5 : Pita2_7, Pari_6, Swole_7, Alsfro_9, BPBiebs31_6, HermioneGrange_6, Tote_7, PSullivan_7, Tasp14_6, JuliaChild_7
• Track 6 : Ashballer_3, Abrogate_60
• Track 7 : Inyanga_4, Dulcie_4, DirtDevil_5, Museum_6, CatBus_5, Noxious_6, QTRlifeCrisis_4, Burton_5, Graduation_6, GrecoEtereo_6, Nerujay_5, KikiBouba_6, HarryOW_6, Hermia_6, TheloniousMonk_5, Aldrich_5, Iqorha_4, GroundGoblin_5
• Track 8 : Fascinus_4, Phlippers_4, Wheeler_5, Maroc7_4, Puppet_5, CactusRose_4, BillKnuckles_5
• Track 9 : KyMonks1A_7
• Track 10 : Raid_5, Espresso_5, Magnito_4, Parliament_4
• Track 11 : Euphoria_5, NEHalo_5, BaconJack_6
• Track 12 : Beatrix_4, Bexan_4, Alvin_6, Bob3_4, Altman_6, RidgeCB_5, Agaliana_5, Sumter_4, Bones_5, IgnatiusPatJac_4, BluSpix_4, Pinto_7, HanShotFirst_5, StrongArm_4, Arlo_4, Lesedi_4, ConceptII_5, Kanely_6, ChristmasHams_5, Violet_4, MPlant7149_4, Eyeball_5, Sibs6_6, Turj99_4
• Track 13 : Zephyr_5, Corvo_5, Ohno789_4, MaryBeth_5, MetalQZJ_5
• Track 14 : Carlyle_7
• Track 15 : Kenmech_6, Abbyshoes_6, Dussy_6
• Track 16 : Seabiscuit_6, McGuire_5, Ichabod_5, Dynamix_5, DD5_5, BeesKnees_5
• Track 17 : Bruns_3
• Track 18 : Jerm2_5, BigMau_6
• Track 19 : Hami1_5, Topgun_5, GageAP_6, Paraselene_4, StewieG_4, BK1_03, A6_03, MilleFeuille_4, Licorice_7, CartmannCramer_4, MrGordo_5, Paphu_4, Gyzlar_6, PhrostyMug_4, Magnar_5, Scowl_6, SpikeBT_5, Mule_4, Pepe_6, Anglerfish_5, Gachnar_5, Marcell_5, LunarLander_5, Wilkins_5, Bxb1_4
• Track 20 : Ringer_4
• Track 21 : GMonster_4, PascalRango_4
• Track 22 : Mryolo_4
• Track 23 : EnzoK_6
• Track 24 : LilBib_4
• Track 25 : Smairt_6
• Track 26 : Teodoridan_3, Marchy_4, Payneful_5, Ajay_5, BarrowTuph_4, Killigrew_3, PattyP_6, Whitspit_5, Blackflame_4

• Track 27 : KSSJEB_4, Molly_6, STLscum_6
• Track 28 : Dexes_6
• Track 29 : Target_6
• Track 30 : PherrisBueller_6, Jorgensen_5, Jasper_6, Dreamboat_6
• Track 31 : Makemake_5
• Track 32 : Applejack_5, Rutherferd_6, Gompeii16_5, Bircsak_5, Lockley_5, Sunshine924_4
• Track 33 : DrFeelGood_4, Zeuska_4
• Track 34 : SkiPole_6
• Track 35 : Blue_5
• Track 36 : Pippin_6, Greg_6, Marge_5, Fajezeel_6, Acme_6
• Track 37 : Francis47_5, Pelly_6
• Track 38 : Edtherson_5, Traft412_7
• Track 39 : Slagathor_5, Arcanine_5
• Track 40 : Niza_6
• Track 41 : Norz_5
• Track 42 : JackSparrow_5, Thor_5, SarFire_5
• Track 43 : Gwendoluna_5, Smeagol_6
• Track 44 : Froghopper_6, Petruchio_5
• Track 45 : DreamCatcher_6, Atkinbua_5
• Track 46 : PowerRanger_4
• Track 47 : Blesser_3
• Track 48 : SwissCheese_5, Levia_4, PhineBark_3, Lamina13_5, Forsytheast_4, Moose_4
• Track 49 : Perseus_6
• Track 50 : Watermelon_7
• Track 51 : Ciao_5
• Track 52 : Zeeculate_4
• Track 53 : Seanderson_6, PinkPlastic_3
• Track 54 : Sandaddy_4
• Track 55 : Manatee_5
• Track 56 : Lopton_6
• Track 57 : TwoPeat_6
• Track 58 : Oogway_4
• Track 59 : Homines_5
• Track 60 : Doom_5, Briton15_6, Adahisdi_6
• Track 61 : Trouble_5, Peterson_7
• Track 62 : Gandalf20_6
• Track 63 : Monet_5, Sagefire_6
• Track 64 : Fenn_5, Naira_5
• Track 65 : PacerPaul_5
• Track 66 : Barriga_5
• Track 67 : Switzer_5
• Track 68 : Tripl3t_6
• Track 69 : ShortQueendom_4
• Track 70 : Solon_4
• Track 71 : Treddle_5
• Track 72 : Marco3_5
• Track 73 : BigPaolini_6
• Track 74 : JC27_6, Bigfoot_4
• Track 75 : Nhonho_5
• Track 76 : Rohr_6
• Track 77 : Papez_5

• Track 78 : Cueylyss_5
• Track 79 : Mkhuseli_4, Crispicous1_4
• Track 80 : Big3_5
• Track 81 : Rhynn_5
• Track 82 : Kugel_6
• Track 83 : Michley_5
• Track 84 : AFIS_5
• Track 85 : Hope4ever_5
• Track 86 : Petp2012_7
• Track 87 : Fushigi_5
• Track 88 : ILeeKay_7
• Track 89 : U2_4
• Track 90 : ProMouse_6
• Track 91 : Marsha_5
• Track 92 : Squee_4
• Track 93 : Chanagan_4
• Track 94 : Bethlehem_5
• Track 95 : Rubeus_5
• Track 96 : Kykar_3
• Track 97 : Ruotula_4
• Track 98 : Aeneas_6
• Track 99 : KBG_5
• Track 100 : Rajelicia_4

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

The start number called the most often in the published annotations is 20, it was called in 217 of the 231 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A6_03, AFIS_5, Abbyshoes_6, Abrogate_60, Acme_6, Adahisdi_6, Aeneas_6, Agaliana_5, Ajay_5, Aldrich_5, Alsfro_9, Altman_6, Alvin_6, Anglerfish_5, Applejack_5, Arcanine_5, Arlo_4, Ashballer_3, BK1_03, BPBiebs31_6, BaconJack_6, Barriga_5, BarrowTuph_4, Beatrix_4, BeesKnees_5, Bethlehem_5, Bexan_4, Big3_5, BigMau_6, Bigchungi_4, Bigfoot_4, BillKnuckles_5, Bircsak_5, Blackflame_4, Blesser_3, BluSpix_4, Blue_5, Bob3_4, Bones_5, Briton15_6, Bruns_3, Burton_5, Buttons_5, Bxb1_4, CactusRose_4, Carlyle_7, CartmannCramer_4, CatBus_5, ChristmasHams_5, Ciao_5, ConceptII_5, Corvo_5, Crispicous1_4, Cueylyss_5, DD5_5, Dexes_6, DirtDevil_5, Doom_5, DrFeelGood_4, Dreamboat_6, Dulcie_4, Dussy_6, Dynamix_5, Edtherson_5, EnzoK_6, Espresso_5, Euphoria_5, Eyeball_5, Fajezeel_6, Fascinus_4, Fenn_5, Forsytheast_4, Francis47_5, Froghopper_6, Fushigi_5, GMonster_4, Gachnar_5, GageAP_6, Gandalf20_6, Gompeii16_5, Graduation_6, GrecoEtereo_6, Greg_6, GroundGoblin_5, Gwendoluna_5, Gyzlar_6, Hami1_5, HanShotFirst_5, HarryOW_6, Hermia_6, HermioneGrange_6, Homines_5, Hope4ever_5, ILeeKay_7, Ichabod_5, IgnatiusPatJac_4, Inyanga_4, Iqorha_4, JC27_6, JackSparrow_5, Jasper_6, Jerm2_5, Jorgensen_5, JuliaChild_7, KSSJEB_4, Kanely_6, Kenmech_6, KikiBouba_6, Killigrew_3, Kugel_6, KyMonks1A_7, Kykar_3, Lamina13_5, Lesedi_4, Levia_4, Licorice_7, LilBib_4, Lockley_5, Lopton_6, LunarLander_5, MPlant7149_4, Magnar_5, Magnito_4, Makemake_5, Marcell_5, Marchy_4, Marco3_5, Marge_5, Maroc7_4, Marsha_5,

MaryBeth_5, McGuire_5, McSinger_6, MetalQZJ_5, Michley_5, MilleFeuille_4, Mkhuseli_4, Molly_6, Monet_5, Moose_4, MrGordo_5, Mryolo_4, Mule_4, Museum_6, NEHalo_5, Naira_5, Nerujay_5, Niza_6, Norz_5, Noxious_6, Ohno789_4, Oogway_4, PSullivan_7, Papez_5, Paphu_4, Paraselene_4, Pari_6, Parliament_4, PascalRango_4, PattyP_6, Payneful_5, Pelly_6, Pepe_6, Perseus_6, Peterson_7, Petp2012_7, Petruchio_5, PherrisBueller_6, PhineBark_3, Phlippers_4, PhrostyMug_4, Pinto_7, Pippin_6, Pita2_7, PowerRanger_4, ProMouse_6, Puppet_5, QTRlifeCrisis_4, Raid_5, Rhynn_5, RidgeCB_5, Ringer_4, Rohr_6, Rubeus_5, Rufus_5, Ruotula_4, Rutherferd_6, STLscum_6, Sagefire_6, Sandaddy_4, Sanya_5, SarFire_5, Scowl_6, Seabiscuit_6, ShortQueendom_4, Sibs6_6, Slagathor_5, Smairt_6, Smeagol_6, Snazzy_3, Solon_4, Sorpresa_5, SpikeBT_5, Squee_4, StewieG_4, StrongArm_4, Sumter_4, Sunshine924_4, SwissCheese_5, Swole_7, Target_6, Tasp14_6, Teodoridan_3, TheloniousMonk_5, Thor_5, Topgun_5, Tote_7, Traft412_7, Tripl3t_6, Trouble_5, Turj99_4, TwoPeat_6, U2_4, Violet_4, Watermelon_7, Wheeler_5, Whitspit_5, Wilkins_5, Zeeculate_4, Zephyr_5, Zeuska_4,

Genes that have the "Most Annotated" start but do not call it:
• BigPaolini_6, Chanagan_4, KBG_5, PacerPaul_5, SkiPole_6, Switzer_5, Treddle_5,

Genes that do not have the "Most Annotated" start:
• Atkinbua_5, DreamCatcher_6, Manatee_5, Nhonho_5, PinkPlastic_3, Rajelicia_4, Seanderson_6,

Summary by start number:

Start 2:
• Found in 1 of 245 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 231
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chanagan_4 (A1),

Start 17:
• Found in 13 of 245 (5.3%) of genes in pham
• Manual Annotations of this start: 3 of 231
• Called 23.1% of time when present
• Phage (with cluster) where this start called: SkiPole_6 (A1), Switzer_5 (A1), Treddle_5 (A1),

Start 19:
• Found in 35 of 245 (14.3%) of genes in pham
• Manual Annotations of this start: 3 of 231
• Called 8.6% of time when present
• Phage (with cluster) where this start called: BigPaolini_6 (A1), KBG_5 (A1), PacerPaul_5 (A1),

Start 20:
• Found in 238 of 245 (97.1%) of genes in pham
• Manual Annotations of this start: 217 of 231
• Called 97.1% of time when present
• Phage (with cluster) where this start called: A6_03 (A1), AFIS_5 (A1), Abbyshoes_6 (A1), Abrogate_60 (A1), Acme_6 (A1), Adahisdi_6 (A1), Aeneas_6 (A1), Agaliana_5 (A1), Ajay_5 (A1), Aldrich_5 (A1), Alsfro_9 (A1), Altman_6 (A1), Alvin_6 (A1), Anglerfish_5 (A1), Applejack_5 (A1), Arcanine_5 (A1), Arlo_4 (A1), Ashballer_3 (A1),

BK1_03 (A1), BPBiebs31_6 (A1), BaconJack_6 (A1), Barriga_5 (A1), BarrowTuph_4 (A1), Beatrix_4 (A1), BeesKnees_5 (A1), Bethlehem_5 (A1), Bexan_4 (A1), Big3_5 (A1), BigMau_6 (A1), Bigchungi_4 (A1), Bigfoot_4 (A1), BillKnuckles_5 (A1), Bircsak_5 (A1), Blackflame_4 (A1), Blesser_3 (A1), BluSpix_4 (A1), Blue_5 (A1), Bob3_4 (A1), Bones_5 (A1), Briton15_6 (A1), Bruns_3 (A1), Burton_5 (A1), Buttons_5 (A1), Bxb1_4 (A1), CactusRose_4 (A1), Carlyle_7 (A1), CartmannCramer_4 (A1), CatBus_5 (A1), ChristmasHams_5 (A1), Ciao_5 (A1), ConceptII_5 (A1), Corvo_5 (A1), Crispicous1_4 (A1), Cueylyss_5 (A1), DD5_5 (A1), Dexes_6 (A1), DirtDevil_5 (A1), Doom_5 (A1), DrFeelGood_4 (A1), Dreamboat_6 (A1), Dulcie_4 (A1), Dussy_6 (A1), Dynamix_5 (A1), Edtherson_5 (A1), EnzoK_6 (A1), Espresso_5 (A1), Euphoria_5 (A1), Eyeball_5 (A1), Fajezeel_6 (A1), Fascinus_4 (A1), Fenn_5 (A1), Forsytheast_4 (A1), Francis47_5 (A1), Froghopper_6 (A1), Fushigi_5 (A1), GMonster_4 (A1), Gachnar_5 (A1), GageAP_6 (A1), Gandalf20_6 (A1), Gompeii16_5 (A1), Graduation_6 (A1), GrecoEtereo_6 (A1), Greg_6 (A1), GroundGoblin_5 (A1), Gwendoluna_5 (A1), Gyzlar_6 (A1), Hami1_5 (A1), HanShotFirst_5 (A1), HarryOW_6 (A1), Hermia_6 (A1), HermioneGrange_6 (A1), Homines_5 (A1), Hope4ever_5 (A1), ILeeKay_7 (A1), Ichabod_5 (A1), IgnatiusPatJac_4 (A1), Inyanga_4 (A1), Iqorha_4 (A1), JC27_6 (A1), JackSparrow_5 (A1), Jasper_6 (A1), Jerm2_5 (A1), Jorgensen_5 (A1), JuliaChild_7 (A1), KSSJEB_4 (A1), Kanely_6 (A1), Kenmech_6 (A1), KikiBouba_6 (A1), Killigrew_3 (A1), Kugel_6 (A1), KyMonks1A_7 (A1), Kykar_3 (A1), Lamina13_5 (A1), Lesedi_4 (A1), Levia_4 (A1), Licorice_7 (A1), LilBib_4 (A1), Lockley_5 (A1), Lopton_6 (A1), LunarLander_5 (A1), MPlant7149_4 (A1), Magnar_5 (A1), Magnito_4 (A1), Makemake_5 (A1), Marcell_5 (A1), Marchy_4 (A1), Marco3_5 (A1), Marge_5 (A1), Maroc7_4 (A1), Marsha_5 (A1), MaryBeth_5 (A1), McGuire_5 (A1), McSinger_6 (A1), MetalQZJ_5 (A1), Michley_5 (A1), MilleFeuille_4 (A1), Mkhuseli_4 (A1), Molly_6 (A1), Monet_5 (A1), Moose_4 (A1), MrGordo_5 (A1), Mryolo_4 (A1), Mule_4 (A1), Museum_6 (A1), NEHalo_5 (A1), Naira_5 (A1), Nerujay_5 (A1), Niza_6 (A1), Norz_5 (A1), Noxious_6 (A1), Ohno789_4 (A1), Oogway_4 (A1), PSullivan_7 (A1), Papez_5 (A1), Paphu_4 (A1), Paraselene_4 (A1), Pari_6 (A1), Parliament_4 (A1), PascalRango_4 (A1), PattyP_6 (A1), Payneful_5 (A1), Pelly_6 (A1), Pepe_6 (A1), Perseus_6 (A1), Peterson_7 (A1), Petp2012_7 (A1), Petruchio_5 (A1), PherrisBueller_6 (A1), PhineBark_3 (A1), Phlippers_4 (A1), PhrostyMug_4 (A1), Pinto_7 (A1), Pippin_6 (A1), Pita2_7 (A1), PowerRanger_4 (A1), ProMouse_6 (A1), Puppet_5 (A1), QTRlifeCrisis_4 (A1), Raid_5 (A1), Rhynn_5 (A1), RidgeCB_5 (A1), Ringer_4 (A1), Rohr_6 (A1), Rubeus_5 (A1), Rufus_5 (A1), Ruotula_4 (A1), Rutherferd_6 (A1), STLscum_6 (A1), Sagefire_6 (A1), Sandaddy_4 (A1), Sanya_5 (A1), SarFire_5 (A1), Scowl_6 (A1), Seabiscuit_6 (A1), ShortQueendom_4 (A1), Sibs6_6 (A1), Slagathor_5 (A1), Smairt_6 (A1), Smeagol_6 (A1), Snazzy_3 (A1), Solon_4 (A1), Sorpresa_5 (A1), SpikeBT_5 (A1), Squee_4 (A1), StewieG_4 (A1), StrongArm_4 (A1), Sumter_4 (A1), Sunshine924_4 (A1), SwissCheese_5 (A1), Swole_7 (A1), Target_6 (A1), Tasp14_6 (A1), Teodoridan_3 (A1), TheloniousMonk_5 (A1), Thor_5 (A1), Topgun_5 (A1), Tote_7 (A1), Traft412_7 (A1), Tripl3t_6 (A1), Trouble_5 (A1), Turj99_4 (A1), TwoPeat_6 (A1), U2_4 (A1), Violet_4 (A1), Watermelon_7 (A1), Wheeler_5 (A1), Whitspit_5 (A1), Wilkins_5 (A1), Zeeculate_4 (A1), Zephyr_5 (A1), Zeuska_4 (A1),

Start 21:
• Found in 7 of 245 (2.9%) of genes in pham
• Manual Annotations of this start: 7 of 231
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atkinbua_5 (A1), DreamCatcher_6 (A1), Manatee_5 (A1), Nhonho_5 (A1), PinkPlastic_3 (A1), Rajelicia_4 (A1), Seanderson_6 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 2 was manually annotated 1 time for cluster A1.
•Start number 17 was manually annotated 3 times for cluster A1.
•Start number 19 was manually annotated 3 times for cluster A1.
•Start number 20 was manually annotated 217 times for cluster A1.
•Start number 21 was manually annotated 7 times for cluster A1.

Gene Information:

Gene: A6_03 Start: 1841, Stop: 2911, Start Num: 20
Candidate Starts for A6_03:
(Start: 20 @1841 has 217 MA's), (22, 1904), (23, 1916), (24, 1973), (26, 2051), (29, 2189), (32, 2309), (34, 2429), (35, 2441), (42, 2606), (43, 2699), (44, 2732),

Gene: AFIS_5 Start: 2208, Stop: 3278, Start Num: 20
Candidate Starts for AFIS_5:
(Start: 19 @2190 has 3 MA's), (Start: 20 @2208 has 217 MA's), (22, 2271), (23, 2283), (24, 2340), (26, 2418), (29, 2556), (32, 2676), (34, 2796), (35, 2808), (43, 3066), (44, 3099),

Gene: Abbyshoes_6 Start: 2288, Stop: 3358, Start Num: 20
Candidate Starts for Abbyshoes_6:
(Start: 20 @2288 has 217 MA's), (22, 2351), (23, 2363), (24, 2420), (26, 2498), (30, 2645), (32, 2756), (35, 2888), (42, 3053), (43, 3146), (44, 3179),

Gene: Abrogate_60 Start: 2939, Stop: 4009, Start Num: 20
Candidate Starts for Abrogate_60:
(Start: 17 @2912 has 3 MA's), (Start: 20 @2939 has 217 MA's), (22, 3002), (23, 3014), (24, 3071), (26, 3149), (29, 3287), (32, 3407), (34, 3527), (35, 3539), (42, 3704), (43, 3797), (44, 3830),

Gene: Acme_6 Start: 2121, Stop: 3191, Start Num: 20
Candidate Starts for Acme_6:
(Start: 19 @2103 has 3 MA's), (Start: 20 @2121 has 217 MA's), (22, 2184), (23, 2196), (24, 2253), (26, 2331), (29, 2469), (32, 2589), (34, 2709), (35, 2721), (42, 2886), (44, 3012),

Gene: Adahisdi_6 Start: 2515, Stop: 3585, Start Num: 20
Candidate Starts for Adahisdi_6:
(Start: 20 @2515 has 217 MA's), (22, 2578), (23, 2590), (24, 2647), (26, 2725), (30, 2872), (32, 2983), (34, 3103), (35, 3115), (42, 3280), (44, 3406),

Gene: Aeneas_6 Start: 2400, Stop: 3470, Start Num: 20
Candidate Starts for Aeneas_6:
(Start: 20 @2400 has 217 MA's), (22, 2463), (23, 2475), (24, 2532), (29, 2748), (32, 2868), (34, 2988), (42, 3165), (43, 3258), (44, 3291),

Gene: Agaliana_5 Start: 2324, Stop: 3394, Start Num: 20
Candidate Starts for Agaliana_5:

(Start: 20 @2324 has 217 MA's), (22, 2387), (23, 2399), (24, 2456), (26, 2534), (29, 2672), (32, 2792), (34, 2912), (35, 2924), (42, 3089), (44, 3215),

Gene: Ajay_5 Start: 2352, Stop: 3422, Start Num: 20
Candidate Starts for Ajay_5:
(Start: 20 @2352 has 217 MA's), (22, 2415), (23, 2427), (24, 2484), (26, 2562), (30, 2709), (32, 2820), (34, 2940), (35, 2952), (44, 3243),

Gene: Aldrich_5 Start: 2262, Stop: 3332, Start Num: 20
Candidate Starts for Aldrich_5:
(Start: 20 @2262 has 217 MA's), (22, 2325), (23, 2337), (24, 2394), (26, 2472), (29, 2610), (32, 2730), (34, 2850), (35, 2862), (43, 3120), (44, 3153),

Gene: Alsfro_9 Start: 3036, Stop: 4106, Start Num: 20
Candidate Starts for Alsfro_9:
(Start: 20 @3036 has 217 MA's), (22, 3099), (23, 3111), (24, 3168), (26, 3246), (30, 3393), (32, 3504), (34, 3624), (35, 3636), (44, 3927),

Gene: Altman_6 Start: 2858, Stop: 3928, Start Num: 20
Candidate Starts for Altman_6:
(Start: 20 @2858 has 217 MA's), (22, 2921), (23, 2933), (24, 2990), (26, 3068), (29, 3206), (32, 3326), (34, 3446), (35, 3458), (42, 3623), (44, 3749),

Gene: Alvin_6 Start: 2566, Stop: 3636, Start Num: 20
Candidate Starts for Alvin_6:
(Start: 20 @2566 has 217 MA's), (22, 2629), (23, 2641), (24, 2698), (26, 2776), (29, 2914), (32, 3034), (34, 3154), (35, 3166), (42, 3331), (44, 3457),

Gene: Anglerfish_5 Start: 1883, Stop: 2953, Start Num: 20
Candidate Starts for Anglerfish_5:
(Start: 20 @1883 has 217 MA's), (22, 1946), (23, 1958), (24, 2015), (26, 2093), (29, 2231), (32, 2351), (34, 2471), (35, 2483), (42, 2648), (43, 2741), (44, 2774),

Gene: Applejack_5 Start: 2258, Stop: 3328, Start Num: 20
Candidate Starts for Applejack_5:
(Start: 19 @2240 has 3 MA's), (Start: 20 @2258 has 217 MA's), (22, 2321), (23, 2333), (24, 2390), (26, 2468), (29, 2606), (32, 2726), (34, 2846), (35, 2858), (42, 3023), (43, 3116), (44, 3149),

Gene: Arcanine_5 Start: 1849, Stop: 2919, Start Num: 20
Candidate Starts for Arcanine_5:
(Start: 20 @1849 has 217 MA's), (22, 1912), (23, 1924), (24, 1981), (26, 2059), (29, 2197), (32, 2317), (33, 2422), (34, 2437), (35, 2449), (39, 2512), (44, 2740),

Gene: Arlo_4 Start: 1883, Stop: 2953, Start Num: 20
Candidate Starts for Arlo_4:
(Start: 20 @1883 has 217 MA's), (22, 1946), (23, 1958), (24, 2015), (26, 2093), (29, 2231), (32, 2351), (34, 2471), (35, 2483), (42, 2648), (44, 2774),

Gene: Ashballer_3 Start: 1752, Stop: 2822, Start Num: 20
Candidate Starts for Ashballer_3:
(Start: 17 @1725 has 3 MA's), (Start: 20 @1752 has 217 MA's), (22, 1815), (23, 1827), (24, 1884), (26, 1962), (29, 2100), (32, 2220), (34, 2340), (35, 2352), (42, 2517), (43, 2610), (44, 2643),

Gene: Atkinbua_5 Start: 1921, Stop: 2991, Start Num: 21
Candidate Starts for Atkinbua_5:
(Start: 21 @1921 has 7 MA's), (22, 1984), (23, 1996), (24, 2053), (26, 2131), (29, 2269), (32, 2389), (34, 2509), (35, 2521), (42, 2686), (43, 2779), (44, 2812),

Gene: BK1_03 Start: 1841, Stop: 2911, Start Num: 20
Candidate Starts for BK1_03:
(Start: 20 @1841 has 217 MA's), (22, 1904), (23, 1916), (24, 1973), (26, 2051), (29, 2189), (32, 2309), (34, 2429), (35, 2441), (42, 2606), (43, 2699), (44, 2732),

Gene: BPBiebs31_6 Start: 2522, Stop: 3592, Start Num: 20
Candidate Starts for BPBiebs31_6:
(Start: 20 @2522 has 217 MA's), (22, 2585), (23, 2597), (24, 2654), (26, 2732), (30, 2879), (32, 2990), (34, 3110), (35, 3122), (44, 3413),

Gene: BaconJack_6 Start: 2106, Stop: 3176, Start Num: 20
Candidate Starts for BaconJack_6:
(Start: 20 @2106 has 217 MA's), (22, 2169), (23, 2181), (24, 2238), (26, 2316), (29, 2454), (32, 2574), (34, 2694), (35, 2706), (43, 2964), (44, 2997),

Gene: Barriga_5 Start: 2138, Stop: 3208, Start Num: 20
Candidate Starts for Barriga_5:
(Start: 20 @2138 has 217 MA's), (22, 2201), (23, 2213), (24, 2270), (26, 2348), (29, 2486), (31, 2501), (32, 2606), (34, 2726), (35, 2738), (44, 3029),

Gene: BarrowTuph_4 Start: 2205, Stop: 3275, Start Num: 20
Candidate Starts for BarrowTuph_4:
(Start: 20 @2205 has 217 MA's), (22, 2268), (23, 2280), (24, 2337), (26, 2415), (30, 2562), (32, 2673), (34, 2793), (35, 2805), (44, 3096),

Gene: Beatrix_4 Start: 1955, Stop: 3025, Start Num: 20
Candidate Starts for Beatrix_4:
(Start: 20 @1955 has 217 MA's), (22, 2018), (23, 2030), (24, 2087), (26, 2165), (29, 2303), (32, 2423), (34, 2543), (35, 2555), (42, 2720), (44, 2846),

Gene: BeesKnees_5 Start: 2002, Stop: 3072, Start Num: 20
Candidate Starts for BeesKnees_5:
(Start: 20 @2002 has 217 MA's), (22, 2065), (23, 2077), (24, 2134), (26, 2212), (30, 2359), (32, 2470), (34, 2590), (35, 2602), (42, 2767), (43, 2860), (44, 2893),

Gene: Bethlehem_5 Start: 2529, Stop: 3599, Start Num: 20
Candidate Starts for Bethlehem_5:
(Start: 20 @2529 has 217 MA's), (22, 2592), (23, 2604), (24, 2661), (26, 2739), (29, 2877), (31, 2892), (32, 2997), (34, 3117), (35, 3129), (43, 3387), (44, 3420),

Gene: Bexan_4 Start: 1955, Stop: 3025, Start Num: 20
Candidate Starts for Bexan_4:
(Start: 20 @1955 has 217 MA's), (22, 2018), (23, 2030), (24, 2087), (26, 2165), (29, 2303), (32, 2423), (34, 2543), (35, 2555), (42, 2720), (44, 2846),

Gene: Big3_5 Start: 1899, Stop: 2969, Start Num: 20
Candidate Starts for Big3_5:

(Start: 20 @1899 has 217 MA's), (22, 1962), (23, 1974), (24, 2031), (26, 2109), (29, 2247), (31, 2262), (32, 2367), (34, 2487), (35, 2499), (42, 2664), (44, 2790),

Gene: BigMau_6 Start: 2006, Stop: 3076, Start Num: 20
Candidate Starts for BigMau_6:
(Start: 20 @2006 has 217 MA's), (22, 2069), (23, 2081), (24, 2138), (26, 2216), (29, 2354), (32, 2474), (34, 2594), (35, 2606), (44, 2897),

Gene: BigPaolini_6 Start: 2897, Stop: 3985, Start Num: 19
Candidate Starts for BigPaolini_6:
(Start: 19 @2897 has 3 MA's), (Start: 20 @2915 has 217 MA's), (22, 2978), (23, 2990), (24, 3047), (26, 3125), (29, 3263), (32, 3383), (34, 3503), (35, 3515), (36, 3536), (44, 3806),

Gene: Bigchungi_4 Start: 1783, Stop: 2853, Start Num: 20
Candidate Starts for Bigchungi_4:
(Start: 19 @1765 has 3 MA's), (Start: 20 @1783 has 217 MA's), (22, 1846), (23, 1858), (24, 1915), (26, 1993), (30, 2140), (32, 2251), (34, 2371), (35, 2383), (44, 2674),

Gene: Bigfoot_4 Start: 2014, Stop: 3084, Start Num: 20
Candidate Starts for Bigfoot_4:
(Start: 20 @2014 has 217 MA's), (22, 2077), (23, 2089), (24, 2146), (26, 2224), (29, 2362), (32, 2482), (35, 2614), (43, 2872), (44, 2905),

Gene: BillKnuckles_5 Start: 2380, Stop: 3450, Start Num: 20
Candidate Starts for BillKnuckles_5:
(Start: 20 @2380 has 217 MA's), (22, 2443), (23, 2455), (24, 2512), (26, 2590), (29, 2728), (32, 2848), (35, 2980), (42, 3145), (43, 3238), (44, 3271),

Gene: Bircsak_5 Start: 2491, Stop: 3561, Start Num: 20
Candidate Starts for Bircsak_5:
(Start: 19 @2473 has 3 MA's), (Start: 20 @2491 has 217 MA's), (22, 2554), (23, 2566), (24, 2623), (26, 2701), (29, 2839), (32, 2959), (34, 3079), (35, 3091), (42, 3256), (43, 3349), (44, 3382),

Gene: Blackflame_4 Start: 1792, Stop: 2862, Start Num: 20
Candidate Starts for Blackflame_4:
(Start: 20 @1792 has 217 MA's), (22, 1855), (23, 1867), (24, 1924), (26, 2002), (30, 2149), (32, 2260), (34, 2380), (35, 2392), (44, 2683),

Gene: Blesser_3 Start: 1728, Stop: 2798, Start Num: 20
Candidate Starts for Blesser_3:
(Start: 20 @1728 has 217 MA's), (22, 1791), (23, 1803), (24, 1860), (26, 1938), (29, 2076), (31, 2091), (32, 2196), (34, 2316), (35, 2328), (41, 2433), (44, 2619), (45, 2658),

Gene: BluSpix_4 Start: 2282, Stop: 3352, Start Num: 20
Candidate Starts for BluSpix_4:
(Start: 20 @2282 has 217 MA's), (22, 2345), (23, 2357), (24, 2414), (26, 2492), (29, 2630), (32, 2750), (34, 2870), (35, 2882), (42, 3047), (44, 3173),

Gene: Blue_5 Start: 2383, Stop: 3453, Start Num: 20
Candidate Starts for Blue_5:
(Start: 20 @2383 has 217 MA's), (22, 2446), (23, 2458), (24, 2515), (26, 2593), (29, 2731), (31, 2746), (32, 2851), (34, 2971), (35, 2983), (41, 3088), (44, 3274),

Gene: Bob3_4 Start: 1846, Stop: 2916, Start Num: 20
Candidate Starts for Bob3_4:
(Start: 20 @1846 has 217 MA's), (22, 1909), (23, 1921), (24, 1978), (26, 2056), (29, 2194), (32, 2314), (34, 2434), (35, 2446), (42, 2611), (44, 2737),

Gene: Bones_5 Start: 2039, Stop: 3109, Start Num: 20
Candidate Starts for Bones_5:
(Start: 20 @2039 has 217 MA's), (22, 2102), (23, 2114), (24, 2171), (26, 2249), (29, 2387), (32, 2507), (34, 2627), (35, 2639), (42, 2804), (44, 2930),

Gene: Briton15_6 Start: 2057, Stop: 3127, Start Num: 20
Candidate Starts for Briton15_6:
(Start: 20 @2057 has 217 MA's), (22, 2120), (23, 2132), (24, 2189), (26, 2267), (30, 2414), (32, 2525), (34, 2645), (35, 2657), (42, 2822), (44, 2948),

Gene: Bruns_3 Start: 1690, Stop: 2760, Start Num: 20
Candidate Starts for Bruns_3:
(Start: 20 @1690 has 217 MA's), (22, 1753), (24, 1822), (26, 1900), (30, 2047), (32, 2158), (34, 2278), (35, 2290), (43, 2548), (44, 2581),

Gene: Burton_5 Start: 1907, Stop: 2977, Start Num: 20
Candidate Starts for Burton_5:
(Start: 20 @1907 has 217 MA's), (22, 1970), (23, 1982), (24, 2039), (26, 2117), (29, 2255), (32, 2375), (34, 2495), (35, 2507), (43, 2765), (44, 2798),

Gene: Buttons_5 Start: 1900, Stop: 2970, Start Num: 20
Candidate Starts for Buttons_5:
(Start: 20 @1900 has 217 MA's), (22, 1963), (23, 1975), (24, 2032), (29, 2248), (31, 2263), (32, 2368), (35, 2500), (43, 2758), (44, 2791),

Gene: Bxb1_4 Start: 2291, Stop: 3361, Start Num: 20
Candidate Starts for Bxb1_4:
(Start: 20 @2291 has 217 MA's), (22, 2354), (23, 2366), (24, 2423), (26, 2501), (29, 2639), (32, 2759), (34, 2879), (35, 2891), (42, 3056), (43, 3149), (44, 3182),

Gene: CactusRose_4 Start: 2013, Stop: 3083, Start Num: 20
Candidate Starts for CactusRose_4:
(Start: 20 @2013 has 217 MA's), (22, 2076), (23, 2088), (24, 2145), (26, 2223), (29, 2361), (32, 2481), (35, 2613), (42, 2778), (43, 2871), (44, 2904),

Gene: Carlyle_7 Start: 2854, Stop: 3924, Start Num: 20
Candidate Starts for Carlyle_7:
(Start: 20 @2854 has 217 MA's), (22, 2917), (23, 2929), (24, 2986), (26, 3064), (29, 3202), (32, 3322), (34, 3442), (35, 3454), (42, 3619), (43, 3712), (44, 3745),

Gene: CartmannCramer_4 Start: 2219, Stop: 3289, Start Num: 20
Candidate Starts for CartmannCramer_4:
(Start: 20 @2219 has 217 MA's), (22, 2282), (23, 2294), (24, 2351), (26, 2429), (29, 2567), (32, 2687), (34, 2807), (35, 2819), (42, 2984), (43, 3077), (44, 3110),

Gene: CatBus_5 Start: 2454, Stop: 3524, Start Num: 20
Candidate Starts for CatBus_5:

(Start: 20 @2454 has 217 MA's), (22, 2517), (23, 2529), (24, 2586), (26, 2664), (29, 2802), (32, 2922), (34, 3042), (35, 3054), (43, 3312), (44, 3345),

Gene: Chanagan_4 Start: 1623, Stop: 2942, Start Num: 2
Candidate Starts for Chanagan_4:
(Start: 2 @1623 has 1 MA's), (7, 1641), (12, 1695), (16, 1767), (Start: 19 @1854 has 3 MA's), (Start: 20 @1872 has 217 MA's), (22, 1935), (23, 1947), (24, 2004), (30, 2229), (32, 2340), (34, 2460), (35, 2472), (42, 2637), (43, 2730), (44, 2763),

Gene: ChristmasHams_5 Start: 2324, Stop: 3394, Start Num: 20
Candidate Starts for ChristmasHams_5:
(Start: 20 @2324 has 217 MA's), (22, 2387), (23, 2399), (24, 2456), (26, 2534), (29, 2672), (32, 2792), (34, 2912), (35, 2924), (42, 3089), (44, 3215),

Gene: Ciao_5 Start: 2245, Stop: 3315, Start Num: 20
Candidate Starts for Ciao_5:
(Start: 20 @2245 has 217 MA's), (22, 2308), (23, 2320), (24, 2377), (26, 2455), (29, 2593), (31, 2608), (32, 2713), (34, 2833), (35, 2845), (39, 2908), (41, 2950), (44, 3136),

Gene: ConceptII_5 Start: 2494, Stop: 3564, Start Num: 20
Candidate Starts for ConceptII_5:
(Start: 20 @2494 has 217 MA's), (22, 2557), (23, 2569), (24, 2626), (26, 2704), (29, 2842), (32, 2962), (34, 3082), (35, 3094), (42, 3259), (44, 3385),

Gene: Corvo_5 Start: 2440, Stop: 3510, Start Num: 20
Candidate Starts for Corvo_5:
(Start: 20 @2440 has 217 MA's), (22, 2503), (23, 2515), (24, 2572), (26, 2650), (30, 2797), (32, 2908), (34, 3028), (35, 3040), (41, 3145), (44, 3331),

Gene: Crispicous1_4 Start: 1736, Stop: 2806, Start Num: 20
Candidate Starts for Crispicous1_4:
(Start: 20 @1736 has 217 MA's), (22, 1799), (23, 1811), (24, 1868), (26, 1946), (29, 2084), (32, 2204), (34, 2324), (35, 2336), (42, 2501), (43, 2594), (44, 2627),

Gene: Cueylyss_5 Start: 2374, Stop: 3444, Start Num: 20
Candidate Starts for Cueylyss_5:
(18, 2350), (Start: 19 @2356 has 3 MA's), (Start: 20 @2374 has 217 MA's), (22, 2437), (23, 2449), (24, 2506), (26, 2584), (32, 2842), (34, 2962), (35, 2974), (41, 3079), (43, 3232), (44, 3265),

Gene: DD5_5 Start: 2422, Stop: 3492, Start Num: 20
Candidate Starts for DD5_5:
(Start: 20 @2422 has 217 MA's), (22, 2485), (23, 2497), (24, 2554), (26, 2632), (30, 2779), (32, 2890), (34, 3010), (35, 3022), (42, 3187), (43, 3280), (44, 3313),

Gene: Dexes_6 Start: 2878, Stop: 3948, Start Num: 20
Candidate Starts for Dexes_6:
(1, 2620), (3, 2635), (4, 2638), (15, 2773), (18, 2854), (Start: 19 @2860 has 3 MA's), (Start: 20 @2878 has 217 MA's), (22, 2941), (23, 2953), (24, 3010), (26, 3088), (29, 3226), (32, 3346), (34, 3466), (35, 3478), (42, 3643), (44, 3769),

Gene: DirtDevil_5 Start: 2262, Stop: 3332, Start Num: 20
Candidate Starts for DirtDevil_5:

(Start: 20 @2262 has 217 MA's), (22, 2325), (23, 2337), (24, 2394), (26, 2472), (29, 2610), (32, 2730), (34, 2850), (35, 2862), (43, 3120), (44, 3153),

Gene: Doom_5 Start: 2516, Stop: 3586, Start Num: 20
Candidate Starts for Doom_5:
(Start: 20 @2516 has 217 MA's), (22, 2579), (23, 2591), (24, 2648), (26, 2726), (30, 2873), (32, 2984), (34, 3104), (35, 3116), (42, 3281), (44, 3407),

Gene: DrFeelGood_4 Start: 2053, Stop: 3123, Start Num: 20
Candidate Starts for DrFeelGood_4:
(Start: 20 @2053 has 217 MA's), (22, 2116), (23, 2128), (24, 2185), (26, 2263), (29, 2401), (31, 2416), (32, 2521), (34, 2641), (35, 2653), (42, 2818), (43, 2911), (44, 2944),

Gene: DreamCatcher_6 Start: 2650, Stop: 3720, Start Num: 21
Candidate Starts for DreamCatcher_6:
(Start: 21 @2650 has 7 MA's), (22, 2713), (23, 2725), (24, 2782), (26, 2860), (29, 2998), (32, 3118), (34, 3238), (35, 3250), (42, 3415), (43, 3508), (44, 3541),

Gene: Dreamboat_6 Start: 2119, Stop: 3189, Start Num: 20
Candidate Starts for Dreamboat_6:
(Start: 20 @2119 has 217 MA's), (22, 2182), (23, 2194), (24, 2251), (26, 2329), (32, 2587), (34, 2707), (35, 2719), (41, 2824), (44, 3010),

Gene: Dulcie_4 Start: 1951, Stop: 3021, Start Num: 20
Candidate Starts for Dulcie_4:
(Start: 20 @1951 has 217 MA's), (22, 2014), (23, 2026), (24, 2083), (26, 2161), (29, 2299), (32, 2419), (34, 2539), (35, 2551), (43, 2809), (44, 2842),

Gene: Dussy_6 Start: 2288, Stop: 3358, Start Num: 20
Candidate Starts for Dussy_6:
(Start: 20 @2288 has 217 MA's), (22, 2351), (23, 2363), (24, 2420), (26, 2498), (30, 2645), (32, 2756), (35, 2888), (42, 3053), (43, 3146), (44, 3179),

Gene: Dynamix_5 Start: 2004, Stop: 3074, Start Num: 20
Candidate Starts for Dynamix_5:
(Start: 20 @2004 has 217 MA's), (22, 2067), (23, 2079), (24, 2136), (26, 2214), (30, 2361), (32, 2472), (34, 2592), (35, 2604), (42, 2769), (43, 2862), (44, 2895),

Gene: Edtherson_5 Start: 2210, Stop: 3280, Start Num: 20
Candidate Starts for Edtherson_5:
(Start: 20 @2210 has 217 MA's), (22, 2273), (23, 2285), (24, 2342), (26, 2420), (29, 2558), (32, 2678), (34, 2798), (35, 2810), (44, 3101),

Gene: EnzoK_6 Start: 2504, Stop: 3574, Start Num: 20
Candidate Starts for EnzoK_6:
(Start: 20 @2504 has 217 MA's), (22, 2567), (23, 2579), (24, 2636), (26, 2714), (27, 2735), (30, 2861), (32, 2972), (34, 3092), (35, 3104), (39, 3167), (42, 3269), (44, 3395),

Gene: Espresso_5 Start: 2369, Stop: 3439, Start Num: 20
Candidate Starts for Espresso_5:
(Start: 20 @2369 has 217 MA's), (22, 2432), (23, 2444), (24, 2501), (26, 2579), (29, 2717), (32, 2837), (34, 2957), (35, 2969), (44, 3260),

Gene: Euphoria_5 Start: 2267, Stop: 3337, Start Num: 20
Candidate Starts for Euphoria_5:
(Start: 20 @2267 has 217 MA's), (22, 2330), (23, 2342), (24, 2399), (26, 2477), (29, 2615), (32, 2735), (34, 2855), (35, 2867), (43, 3125), (44, 3158),

Gene: Eyeball_5 Start: 2047, Stop: 3117, Start Num: 20
Candidate Starts for Eyeball_5:
(Start: 20 @2047 has 217 MA's), (22, 2110), (23, 2122), (24, 2179), (26, 2257), (29, 2395), (32, 2515), (34, 2635), (35, 2647), (42, 2812), (44, 2938),

Gene: Fajezeel_6 Start: 2089, Stop: 3159, Start Num: 20
Candidate Starts for Fajezeel_6:
(Start: 19 @2071 has 3 MA's), (Start: 20 @2089 has 217 MA's), (22, 2152), (23, 2164), (24, 2221), (26, 2299), (29, 2437), (32, 2557), (34, 2677), (35, 2689), (42, 2854), (44, 2980),

Gene: Fascinus_4 Start: 2015, Stop: 3085, Start Num: 20
Candidate Starts for Fascinus_4:
(Start: 20 @2015 has 217 MA's), (22, 2078), (23, 2090), (24, 2147), (26, 2225), (29, 2363), (32, 2483), (35, 2615), (42, 2780), (43, 2873), (44, 2906),

Gene: Fenn_5 Start: 2235, Stop: 3305, Start Num: 20
Candidate Starts for Fenn_5:
(Start: 20 @2235 has 217 MA's), (22, 2298), (23, 2310), (24, 2367), (26, 2445), (30, 2592), (32, 2703), (34, 2823), (35, 2835), (39, 2898), (41, 2940), (44, 3126),

Gene: Forsytheast_4 Start: 2279, Stop: 3349, Start Num: 20
Candidate Starts for Forsytheast_4:
(Start: 20 @2279 has 217 MA's), (22, 2342), (23, 2354), (24, 2411), (26, 2489), (30, 2636), (32, 2747), (34, 2867), (35, 2879), (43, 3137), (44, 3170),

Gene: Francis47_5 Start: 2537, Stop: 3607, Start Num: 20
Candidate Starts for Francis47_5:
(Start: 19 @2519 has 3 MA's), (Start: 20 @2537 has 217 MA's), (22, 2600), (23, 2612), (24, 2669), (26, 2747), (29, 2885), (31, 2900), (32, 3005), (34, 3125), (35, 3137), (42, 3302), (44, 3428),

Gene: Froghopper_6 Start: 1949, Stop: 3019, Start Num: 20
Candidate Starts for Froghopper_6:
(Start: 19 @1931 has 3 MA's), (Start: 20 @1949 has 217 MA's), (22, 2012), (23, 2024), (24, 2081), (29, 2297), (32, 2417), (34, 2537), (35, 2549), (44, 2840),

Gene: Fushigi_5 Start: 2169, Stop: 3239, Start Num: 20
Candidate Starts for Fushigi_5:
(Start: 17 @2142 has 3 MA's), (Start: 20 @2169 has 217 MA's), (22, 2232), (23, 2244), (24, 2301), (26, 2379), (29, 2517), (32, 2637), (35, 2769), (43, 3027), (44, 3060),

Gene: GMonster_4 Start: 1884, Stop: 2954, Start Num: 20
Candidate Starts for GMonster_4:
(Start: 17 @1857 has 3 MA's), (Start: 20 @1884 has 217 MA's), (22, 1947), (23, 1959), (24, 2016), (26, 2094), (30, 2241), (32, 2352), (34, 2472), (35, 2484), (44, 2775),

Gene: Gachnar_5 Start: 2299, Stop: 3369, Start Num: 20
Candidate Starts for Gachnar_5:

(Start: 20 @2299 has 217 MA's), (22, 2362), (23, 2374), (24, 2431), (26, 2509), (29, 2647), (32, 2767), (34, 2887), (35, 2899), (42, 3064), (43, 3157), (44, 3190),

Gene: GageAP_6 Start: 2503, Stop: 3573, Start Num: 20
Candidate Starts for GageAP_6:
(Start: 20 @2503 has 217 MA's), (22, 2566), (23, 2578), (24, 2635), (26, 2713), (29, 2851), (32, 2971), (34, 3091), (35, 3103), (42, 3268), (43, 3361), (44, 3394),

Gene: Gandalf20_6 Start: 2379, Stop: 3449, Start Num: 20
Candidate Starts for Gandalf20_6:
(Start: 20 @2379 has 217 MA's), (22, 2442), (23, 2454), (24, 2511), (26, 2589), (32, 2847), (34, 2967), (35, 2979), (39, 3042), (44, 3270),

Gene: Gompeii16_5 Start: 2491, Stop: 3561, Start Num: 20
Candidate Starts for Gompeii16_5:
(Start: 19 @2473 has 3 MA's), (Start: 20 @2491 has 217 MA's), (22, 2554), (23, 2566), (24, 2623), (26, 2701), (29, 2839), (32, 2959), (34, 3079), (35, 3091), (42, 3256), (43, 3349), (44, 3382),

Gene: Graduation_6 Start: 2366, Stop: 3436, Start Num: 20
Candidate Starts for Graduation_6:
(Start: 20 @2366 has 217 MA's), (22, 2429), (23, 2441), (24, 2498), (26, 2576), (29, 2714), (32, 2834), (34, 2954), (35, 2966), (43, 3224), (44, 3257),

Gene: GrecoEtereo_6 Start: 2573, Stop: 3643, Start Num: 20
Candidate Starts for GrecoEtereo_6:
(Start: 20 @2573 has 217 MA's), (22, 2636), (23, 2648), (24, 2705), (26, 2783), (29, 2921), (32, 3041), (34, 3161), (35, 3173), (43, 3431), (44, 3464),

Gene: Greg_6 Start: 2089, Stop: 3159, Start Num: 20
Candidate Starts for Greg_6:
(Start: 19 @2071 has 3 MA's), (Start: 20 @2089 has 217 MA's), (22, 2152), (23, 2164), (24, 2221), (26, 2299), (29, 2437), (32, 2557), (34, 2677), (35, 2689), (42, 2854), (44, 2980),

Gene: GroundGoblin_5 Start: 2262, Stop: 3332, Start Num: 20
Candidate Starts for GroundGoblin_5:
(Start: 20 @2262 has 217 MA's), (22, 2325), (23, 2337), (24, 2394), (26, 2472), (29, 2610), (32, 2730), (34, 2850), (35, 2862), (43, 3120), (44, 3153),

Gene: Gwendoluna_5 Start: 2371, Stop: 3441, Start Num: 20
Candidate Starts for Gwendoluna_5:
(Start: 20 @2371 has 217 MA's), (22, 2434), (23, 2446), (24, 2503), (26, 2581), (29, 2719), (31, 2734), (32, 2839), (34, 2959), (35, 2971), (42, 3136), (44, 3262),

Gene: Gyzlar_6 Start: 2708, Stop: 3778, Start Num: 20
Candidate Starts for Gyzlar_6:
(Start: 20 @2708 has 217 MA's), (22, 2771), (23, 2783), (24, 2840), (26, 2918), (29, 3056), (32, 3176), (34, 3296), (35, 3308), (42, 3473), (43, 3566), (44, 3599),

Gene: Hami1_5 Start: 2277, Stop: 3347, Start Num: 20
Candidate Starts for Hami1_5:
(Start: 20 @2277 has 217 MA's), (22, 2340), (23, 2352), (24, 2409), (26, 2487), (29, 2625), (32, 2745), (34, 2865), (35, 2877), (42, 3042), (43, 3135), (44, 3168),

Gene: HanShotFirst_5 Start: 1882, Stop: 2952, Start Num: 20
Candidate Starts for HanShotFirst_5:
(Start: 20 @1882 has 217 MA's), (22, 1945), (23, 1957), (24, 2014), (26, 2092), (29, 2230), (32, 2350), (34, 2470), (35, 2482), (42, 2647), (44, 2773),

Gene: HarryOW_6 Start: 2573, Stop: 3643, Start Num: 20
Candidate Starts for HarryOW_6:
(Start: 20 @2573 has 217 MA's), (22, 2636), (23, 2648), (24, 2705), (26, 2783), (29, 2921), (32, 3041), (34, 3161), (35, 3173), (43, 3431), (44, 3464),

Gene: Hermia_6 Start: 2454, Stop: 3524, Start Num: 20
Candidate Starts for Hermia_6:
(Start: 20 @2454 has 217 MA's), (22, 2517), (23, 2529), (24, 2586), (26, 2664), (29, 2802), (32, 2922), (34, 3042), (35, 3054), (43, 3312), (44, 3345),

Gene: HermioneGrange_6 Start: 2007, Stop: 3077, Start Num: 20
Candidate Starts for HermioneGrange_6:
(Start: 20 @2007 has 217 MA's), (22, 2070), (23, 2082), (24, 2139), (26, 2217), (30, 2364), (32, 2475), (34, 2595), (35, 2607), (44, 2898),

Gene: Homines_5 Start: 2286, Stop: 3356, Start Num: 20
Candidate Starts for Homines_5:
(Start: 20 @2286 has 217 MA's), (22, 2349), (24, 2418), (26, 2496), (29, 2634), (32, 2754), (35, 2886), (42, 3051), (43, 3144), (44, 3177),

Gene: Hope4ever_5 Start: 2413, Stop: 3483, Start Num: 20
Candidate Starts for Hope4ever_5:
(Start: 20 @2413 has 217 MA's), (22, 2476), (23, 2488), (24, 2545), (26, 2623), (32, 2881), (34, 3001), (35, 3013), (43, 3271), (44, 3304),

Gene: ILeeKay_7 Start: 2484, Stop: 3554, Start Num: 20
Candidate Starts for ILeeKay_7:
(Start: 20 @2484 has 217 MA's), (22, 2547), (23, 2559), (24, 2616), (25, 2640), (26, 2694), (29, 2832), (32, 2952), (34, 3072), (35, 3084), (42, 3249), (44, 3375),

Gene: Ichabod_5 Start: 2006, Stop: 3076, Start Num: 20
Candidate Starts for Ichabod_5:
(Start: 20 @2006 has 217 MA's), (22, 2069), (23, 2081), (24, 2138), (26, 2216), (30, 2363), (32, 2474), (34, 2594), (35, 2606), (42, 2771), (43, 2864), (44, 2897),

Gene: IgnatiusPatJac_4 Start: 2282, Stop: 3352, Start Num: 20
Candidate Starts for IgnatiusPatJac_4:
(Start: 20 @2282 has 217 MA's), (22, 2345), (23, 2357), (24, 2414), (26, 2492), (29, 2630), (32, 2750), (34, 2870), (35, 2882), (42, 3047), (44, 3173),

Gene: Inyanga_4 Start: 2064, Stop: 3134, Start Num: 20
Candidate Starts for Inyanga_4:
(Start: 20 @2064 has 217 MA's), (22, 2127), (23, 2139), (24, 2196), (26, 2274), (29, 2412), (32, 2532), (34, 2652), (35, 2664), (43, 2922), (44, 2955),

Gene: Iqorha_4 Start: 2064, Stop: 3134, Start Num: 20
Candidate Starts for Iqorha_4:

(Start: 20 @2064 has 217 MA's), (22, 2127), (23, 2139), (24, 2196), (26, 2274), (29, 2412), (32, 2532), (34, 2652), (35, 2664), (43, 2922), (44, 2955),

Gene: JC27_6 Start: 2704, Stop: 3774, Start Num: 20
Candidate Starts for JC27_6:
(Start: 20 @2704 has 217 MA's), (22, 2767), (23, 2779), (24, 2836), (26, 2914), (29, 3052), (32, 3172), (35, 3304), (43, 3562), (44, 3595),

Gene: JackSparrow_5 Start: 2271, Stop: 3341, Start Num: 20
Candidate Starts for JackSparrow_5:
(Start: 20 @2271 has 217 MA's), (22, 2334), (23, 2346), (24, 2403), (29, 2619), (32, 2739), (34, 2859), (35, 2871), (43, 3129), (44, 3162),

Gene: Jasper_6 Start: 2119, Stop: 3189, Start Num: 20
Candidate Starts for Jasper_6:
(Start: 20 @2119 has 217 MA's), (22, 2182), (23, 2194), (24, 2251), (26, 2329), (32, 2587), (34, 2707), (35, 2719), (41, 2824), (44, 3010),

Gene: Jerm2_5 Start: 2006, Stop: 3076, Start Num: 20
Candidate Starts for Jerm2_5:
(Start: 20 @2006 has 217 MA's), (22, 2069), (23, 2081), (24, 2138), (26, 2216), (29, 2354), (32, 2474), (34, 2594), (35, 2606), (44, 2897),

Gene: Jorgensen_5 Start: 2024, Stop: 3094, Start Num: 20
Candidate Starts for Jorgensen_5:
(Start: 20 @2024 has 217 MA's), (22, 2087), (23, 2099), (24, 2156), (26, 2234), (32, 2492), (34, 2612), (35, 2624), (41, 2729), (44, 2915),

Gene: JuliaChild_7 Start: 2748, Stop: 3818, Start Num: 20
Candidate Starts for JuliaChild_7:
(Start: 20 @2748 has 217 MA's), (22, 2811), (23, 2823), (24, 2880), (26, 2958), (30, 3105), (32, 3216), (34, 3336), (35, 3348), (44, 3639),

Gene: KBG_5 Start: 2621, Stop: 3709, Start Num: 19
Candidate Starts for KBG_5:
(Start: 19 @2621 has 3 MA's), (Start: 20 @2639 has 217 MA's), (22, 2702), (23, 2714), (24, 2771), (26, 2849), (29, 2987), (31, 3002), (32, 3107), (34, 3227), (35, 3239), (42, 3404), (44, 3530),

Gene: KSSJEB_4 Start: 1764, Stop: 2834, Start Num: 20
Candidate Starts for KSSJEB_4:
(Start: 20 @1764 has 217 MA's), (22, 1827), (23, 1839), (24, 1896), (26, 1974), (30, 2121), (32, 2232), (34, 2352), (35, 2364), (42, 2529), (43, 2622), (44, 2655),

Gene: Kanely_6 Start: 2858, Stop: 3928, Start Num: 20
Candidate Starts for Kanely_6:
(Start: 20 @2858 has 217 MA's), (22, 2921), (23, 2933), (24, 2990), (26, 3068), (29, 3206), (32, 3326), (34, 3446), (35, 3458), (42, 3623), (44, 3749),

Gene: Kenmech_6 Start: 2288, Stop: 3358, Start Num: 20
Candidate Starts for Kenmech_6:
(Start: 20 @2288 has 217 MA's), (22, 2351), (23, 2363), (24, 2420), (26, 2498), (30, 2645), (32, 2756), (35, 2888), (42, 3053), (43, 3146), (44, 3179),

Gene: KikiBouba_6 Start: 2263, Stop: 3333, Start Num: 20
Candidate Starts for KikiBouba_6:
(Start: 20 @2263 has 217 MA's), (22, 2326), (23, 2338), (24, 2395), (26, 2473), (29, 2611), (32, 2731), (34, 2851), (35, 2863), (43, 3121), (44, 3154),

Gene: Killigrew_3 Start: 1751, Stop: 2818, Start Num: 20
Candidate Starts for Killigrew_3:
(Start: 20 @1751 has 217 MA's), (22, 1814), (23, 1826), (24, 1883), (26, 1961), (30, 2108), (32, 2219), (34, 2339), (35, 2351), (44, 2642),

Gene: Kugel_6 Start: 2326, Stop: 3396, Start Num: 20
Candidate Starts for Kugel_6:
(15, 2221), (Start: 19 @2308 has 3 MA's), (Start: 20 @2326 has 217 MA's), (22, 2389), (23, 2401), (24, 2458), (26, 2536), (29, 2674), (32, 2794), (34, 2914), (35, 2926), (44, 3217),

Gene: KyMonks1A_7 Start: 2592, Stop: 3662, Start Num: 20
Candidate Starts for KyMonks1A_7:
(Start: 20 @2592 has 217 MA's), (22, 2655), (23, 2667), (24, 2724), (26, 2802), (29, 2940), (32, 3060), (34, 3180), (42, 3357), (43, 3450), (44, 3483),

Gene: Kykar_3 Start: 1803, Stop: 2873, Start Num: 20
Candidate Starts for Kykar_3:
(Start: 19 @1785 has 3 MA's), (Start: 20 @1803 has 217 MA's), (22, 1866), (23, 1878), (24, 1935), (26, 2013), (29, 2151), (32, 2271), (34, 2391), (35, 2403), (37, 2448), (42, 2568), (43, 2661), (44, 2694),

Gene: Lamina13_5 Start: 1880, Stop: 2950, Start Num: 20
Candidate Starts for Lamina13_5:
(Start: 20 @1880 has 217 MA's), (22, 1943), (23, 1955), (24, 2012), (26, 2090), (30, 2237), (32, 2348), (34, 2468), (35, 2480), (43, 2738), (44, 2771),

Gene: Lesedi_4 Start: 2018, Stop: 3088, Start Num: 20
Candidate Starts for Lesedi_4:
(Start: 20 @2018 has 217 MA's), (22, 2081), (23, 2093), (24, 2150), (26, 2228), (29, 2366), (32, 2486), (34, 2606), (35, 2618), (42, 2783), (44, 2909),

Gene: Levia_4 Start: 1738, Stop: 2808, Start Num: 20
Candidate Starts for Levia_4:
(Start: 20 @1738 has 217 MA's), (22, 1801), (23, 1813), (24, 1870), (26, 1948), (30, 2095), (32, 2206), (34, 2326), (35, 2338), (43, 2596), (44, 2629),

Gene: Licorice_7 Start: 2877, Stop: 3947, Start Num: 20
Candidate Starts for Licorice_7:
(Start: 20 @2877 has 217 MA's), (22, 2940), (23, 2952), (24, 3009), (26, 3087), (29, 3225), (32, 3345), (34, 3465), (35, 3477), (42, 3642), (43, 3735), (44, 3768),

Gene: LilBib_4 Start: 2061, Stop: 3131, Start Num: 20
Candidate Starts for LilBib_4:
(Start: 17 @2034 has 3 MA's), (Start: 20 @2061 has 217 MA's), (22, 2124), (23, 2136), (24, 2193), (26, 2271), (29, 2409), (32, 2529), (34, 2649), (35, 2661), (44, 2952),

Gene: Lockley_5 Start: 2199, Stop: 3269, Start Num: 20
Candidate Starts for Lockley_5:

(Start: 19 @2181 has 3 MA's), (Start: 20 @2199 has 217 MA's), (22, 2262), (23, 2274), (24, 2331), (26, 2409), (29, 2547), (32, 2667), (34, 2787), (35, 2799), (42, 2964), (43, 3057), (44, 3090),

Gene: Lopton_6 Start: 2613, Stop: 3683, Start Num: 20
Candidate Starts for Lopton_6:
(Start: 20 @2613 has 217 MA's), (22, 2676), (23, 2688), (24, 2745), (26, 2823), (30, 2970), (32, 3081), (34, 3201), (35, 3213), (41, 3318), (44, 3504),

Gene: LunarLander_5 Start: 2029, Stop: 3099, Start Num: 20
Candidate Starts for LunarLander_5:
(Start: 20 @2029 has 217 MA's), (22, 2092), (23, 2104), (24, 2161), (26, 2239), (29, 2377), (32, 2497), (34, 2617), (35, 2629), (42, 2794), (43, 2887), (44, 2920),

Gene: MPlant7149_4 Start: 1846, Stop: 2916, Start Num: 20
Candidate Starts for MPlant7149_4:
(Start: 20 @1846 has 217 MA's), (22, 1909), (23, 1921), (24, 1978), (26, 2056), (29, 2194), (32, 2314), (34, 2434), (35, 2446), (42, 2611), (44, 2737),

Gene: Magnar_5 Start: 1998, Stop: 3068, Start Num: 20
Candidate Starts for Magnar_5:
(Start: 20 @1998 has 217 MA's), (22, 2061), (23, 2073), (24, 2130), (26, 2208), (29, 2346), (32, 2466), (34, 2586), (35, 2598), (42, 2763), (43, 2856), (44, 2889),

Gene: Magnito_4 Start: 1734, Stop: 2804, Start Num: 20
Candidate Starts for Magnito_4:
(Start: 20 @1734 has 217 MA's), (22, 1797), (23, 1809), (24, 1866), (26, 1944), (29, 2082), (32, 2202), (34, 2322), (35, 2334), (44, 2625),

Gene: Makemake_5 Start: 2471, Stop: 3541, Start Num: 20
Candidate Starts for Makemake_5:
(Start: 20 @2471 has 217 MA's), (22, 2534), (23, 2546), (24, 2603), (26, 2681), (29, 2819), (32, 2939), (34, 3059), (35, 3071), (41, 3176), (44, 3362),

Gene: Manatee_5 Start: 1933, Stop: 3003, Start Num: 21
Candidate Starts for Manatee_5:
(Start: 21 @1933 has 7 MA's), (22, 1996), (23, 2008), (24, 2065), (26, 2143), (29, 2281), (31, 2296), (32, 2401), (34, 2521), (35, 2533), (43, 2791), (44, 2824),

Gene: Marcell_5 Start: 2194, Stop: 3264, Start Num: 20
Candidate Starts for Marcell_5:
(Start: 20 @2194 has 217 MA's), (22, 2257), (23, 2269), (24, 2326), (26, 2404), (29, 2542), (32, 2662), (34, 2782), (35, 2794), (42, 2959), (43, 3052), (44, 3085),

Gene: Marchy_4 Start: 1830, Stop: 2900, Start Num: 20
Candidate Starts for Marchy_4:
(Start: 20 @1830 has 217 MA's), (22, 1893), (23, 1905), (24, 1962), (26, 2040), (30, 2187), (32, 2298), (34, 2418), (35, 2430), (44, 2721),

Gene: Marco3_5 Start: 2496, Stop: 3566, Start Num: 20
Candidate Starts for Marco3_5:
(Start: 20 @2496 has 217 MA's), (22, 2559), (23, 2571), (24, 2628), (26, 2706), (30, 2853), (32, 2964), (34, 3084), (35, 3096), (41, 3201), (43, 3354), (44, 3387),

Gene: Marge_5 Start: 2215, Stop: 3285, Start Num: 20
Candidate Starts for Marge_5:
(Start: 19 @2197 has 3 MA's), (Start: 20 @2215 has 217 MA's), (22, 2278), (23, 2290), (24, 2347), (26, 2425), (29, 2563), (32, 2683), (34, 2803), (35, 2815), (42, 2980), (44, 3106),

Gene: Maroc7_4 Start: 2016, Stop: 3086, Start Num: 20
Candidate Starts for Maroc7_4:
(Start: 20 @2016 has 217 MA's), (22, 2079), (23, 2091), (24, 2148), (26, 2226), (29, 2364), (32, 2484), (35, 2616), (42, 2781), (43, 2874), (44, 2907),

Gene: Marsha_5 Start: 2469, Stop: 3539, Start Num: 20
Candidate Starts for Marsha_5:
(Start: 20 @2469 has 217 MA's), (22, 2532), (23, 2544), (24, 2601), (26, 2679), (29, 2817), (32, 2937), (33, 3042), (34, 3057), (35, 3069), (42, 3234), (44, 3360),

Gene: MaryBeth_5 Start: 2440, Stop: 3510, Start Num: 20
Candidate Starts for MaryBeth_5:
(Start: 20 @2440 has 217 MA's), (22, 2503), (23, 2515), (24, 2572), (26, 2650), (30, 2797), (32, 2908), (34, 3028), (35, 3040), (41, 3145), (44, 3331),

Gene: McGuire_5 Start: 2000, Stop: 3070, Start Num: 20
Candidate Starts for McGuire_5:
(Start: 20 @2000 has 217 MA's), (22, 2063), (23, 2075), (24, 2132), (26, 2210), (30, 2357), (32, 2468), (34, 2588), (35, 2600), (42, 2765), (43, 2858), (44, 2891),

Gene: McSinger_6 Start: 2398, Stop: 3468, Start Num: 20
Candidate Starts for McSinger_6:
(Start: 19 @2380 has 3 MA's), (Start: 20 @2398 has 217 MA's), (22, 2461), (23, 2473), (24, 2530), (26, 2608), (30, 2755), (32, 2866), (34, 2986), (35, 2998), (44, 3289),

Gene: MetalQZJ_5 Start: 2440, Stop: 3510, Start Num: 20
Candidate Starts for MetalQZJ_5:
(Start: 20 @2440 has 217 MA's), (22, 2503), (23, 2515), (24, 2572), (26, 2650), (30, 2797), (32, 2908), (34, 3028), (35, 3040), (41, 3145), (44, 3331),

Gene: Michley_5 Start: 2199, Stop: 3269, Start Num: 20
Candidate Starts for Michley_5:
(Start: 20 @2199 has 217 MA's), (22, 2262), (23, 2274), (24, 2331), (29, 2547), (32, 2667), (34, 2787), (35, 2799), (42, 2964), (43, 3057), (44, 3090),

Gene: MilleFeuille_4 Start: 1763, Stop: 2833, Start Num: 20
Candidate Starts for MilleFeuille_4:
(Start: 20 @1763 has 217 MA's), (22, 1826), (23, 1838), (24, 1895), (26, 1973), (29, 2111), (32, 2231), (34, 2351), (35, 2363), (42, 2528), (43, 2621), (44, 2654),

Gene: Mkhuseli_4 Start: 1845, Stop: 2915, Start Num: 20
Candidate Starts for Mkhuseli_4:
(Start: 20 @1845 has 217 MA's), (22, 1908), (23, 1920), (24, 1977), (26, 2055), (29, 2193), (32, 2313), (34, 2433), (35, 2445), (42, 2610), (43, 2703), (44, 2736),

Gene: Molly_6 Start: 2046, Stop: 3116, Start Num: 20
Candidate Starts for Molly_6:

(Start: 20 @2046 has 217 MA's), (22, 2109), (23, 2121), (24, 2178), (26, 2256), (30, 2403), (32, 2514), (34, 2634), (35, 2646), (42, 2811), (43, 2904), (44, 2937),

Gene: Monet_5 Start: 2169, Stop: 3239, Start Num: 20
Candidate Starts for Monet_5:
(Start: 17 @2142 has 3 MA's), (Start: 20 @2169 has 217 MA's), (22, 2232), (23, 2244), (24, 2301), (26, 2379), (29, 2517), (32, 2637), (34, 2757), (35, 2769), (42, 2934), (44, 3060),

Gene: Moose_4 Start: 2279, Stop: 3349, Start Num: 20
Candidate Starts for Moose_4:
(Start: 20 @2279 has 217 MA's), (22, 2342), (23, 2354), (24, 2411), (26, 2489), (30, 2636), (32, 2747), (34, 2867), (35, 2879), (43, 3137), (44, 3170),

Gene: MrGordo_5 Start: 2032, Stop: 3102, Start Num: 20
Candidate Starts for MrGordo_5:
(Start: 20 @2032 has 217 MA's), (22, 2095), (23, 2107), (24, 2164), (26, 2242), (29, 2380), (32, 2500), (34, 2620), (35, 2632), (42, 2797), (43, 2890), (44, 2923),

Gene: Mryolo_4 Start: 2015, Stop: 3085, Start Num: 20
Candidate Starts for Mryolo_4:
(Start: 20 @2015 has 217 MA's), (22, 2078), (23, 2090), (24, 2147), (26, 2225), (29, 2363), (32, 2483), (35, 2615), (41, 2720), (44, 2906),

Gene: Mule_4 Start: 2104, Stop: 3174, Start Num: 20
Candidate Starts for Mule_4:
(Start: 20 @2104 has 217 MA's), (22, 2167), (23, 2179), (24, 2236), (26, 2314), (29, 2452), (32, 2572), (34, 2692), (35, 2704), (42, 2869), (43, 2962), (44, 2995),

Gene: Museum_6 Start: 1846, Stop: 2916, Start Num: 20
Candidate Starts for Museum_6:
(Start: 20 @1846 has 217 MA's), (22, 1909), (23, 1921), (24, 1978), (26, 2056), (29, 2194), (32, 2314), (34, 2434), (35, 2446), (43, 2704), (44, 2737),

Gene: NEHalo_5 Start: 1840, Stop: 2910, Start Num: 20
Candidate Starts for NEHalo_5:
(Start: 20 @1840 has 217 MA's), (22, 1903), (23, 1915), (24, 1972), (26, 2050), (29, 2188), (32, 2308), (34, 2428), (35, 2440), (43, 2698), (44, 2731),

Gene: Naira_5 Start: 2235, Stop: 3305, Start Num: 20
Candidate Starts for Naira_5:
(Start: 20 @2235 has 217 MA's), (22, 2298), (23, 2310), (24, 2367), (26, 2445), (30, 2592), (32, 2703), (34, 2823), (35, 2835), (39, 2898), (41, 2940), (44, 3126),

Gene: Nerujay_5 Start: 2133, Stop: 3203, Start Num: 20
Candidate Starts for Nerujay_5:
(Start: 20 @2133 has 217 MA's), (22, 2196), (23, 2208), (24, 2265), (26, 2343), (29, 2481), (32, 2601), (34, 2721), (35, 2733), (43, 2991), (44, 3024),

Gene: Nhonho_5 Start: 2136, Stop: 3206, Start Num: 21
Candidate Starts for Nhonho_5:
(Start: 21 @2136 has 7 MA's), (22, 2199), (23, 2211), (24, 2268), (26, 2346), (29, 2484), (32, 2604), (35, 2736), (42, 2901), (43, 2994), (44, 3027),

Gene: Niza_6 Start: 2852, Stop: 3922, Start Num: 20
Candidate Starts for Niza_6:
(Start: 20 @2852 has 217 MA's), (22, 2915), (23, 2927), (24, 2984), (26, 3062), (29, 3200), (32, 3320), (34, 3440), (35, 3452), (41, 3557), (42, 3617), (44, 3743),

Gene: Norz_5 Start: 2232, Stop: 3302, Start Num: 20
Candidate Starts for Norz_5:
(6, 1992), (9, 2007), (11, 2034), (14, 2061), (16, 2127), (Start: 19 @2214 has 3 MA's), (Start: 20 @2232 has 217 MA's), (22, 2295), (23, 2307), (24, 2364), (26, 2442), (30, 2589), (32, 2700), (34, 2820), (35, 2832), (42, 2997), (44, 3123),

Gene: Noxious_6 Start: 2454, Stop: 3524, Start Num: 20
Candidate Starts for Noxious_6:
(Start: 20 @2454 has 217 MA's), (22, 2517), (23, 2529), (24, 2586), (26, 2664), (29, 2802), (32, 2922), (34, 3042), (35, 3054), (43, 3312), (44, 3345),

Gene: Ohno789_4 Start: 1689, Stop: 2759, Start Num: 20
Candidate Starts for Ohno789_4:
(Start: 20 @1689 has 217 MA's), (22, 1752), (23, 1764), (24, 1821), (26, 1899), (30, 2046), (32, 2157), (34, 2277), (35, 2289), (41, 2394), (44, 2580),

Gene: Oogway_4 Start: 2260, Stop: 3330, Start Num: 20
Candidate Starts for Oogway_4:
(Start: 19 @2242 has 3 MA's), (Start: 20 @2260 has 217 MA's), (22, 2323), (23, 2335), (24, 2392), (26, 2470), (29, 2608), (32, 2728), (34, 2848), (35, 2860), (44, 3151),

Gene: PSullivan_7 Start: 2748, Stop: 3818, Start Num: 20
Candidate Starts for PSullivan_7:
(Start: 20 @2748 has 217 MA's), (22, 2811), (23, 2823), (24, 2880), (26, 2958), (30, 3105), (32, 3216), (34, 3336), (35, 3348), (44, 3639),

Gene: PacerPaul_5 Start: 2519, Stop: 3607, Start Num: 19
Candidate Starts for PacerPaul_5:
(Start: 19 @2519 has 3 MA's), (Start: 20 @2537 has 217 MA's), (22, 2600), (23, 2612), (24, 2669), (26, 2747), (29, 2885), (32, 3005), (34, 3125), (35, 3137), (42, 3302), (44, 3428),

Gene: Papez_5 Start: 2355, Stop: 3425, Start Num: 20
Candidate Starts for Papez_5:
(5, 2115), (8, 2130), (10, 2157), (13, 2184), (15, 2250), (18, 2331), (Start: 19 @2337 has 3 MA's), (Start: 20 @2355 has 217 MA's), (22, 2418), (23, 2430), (24, 2487), (26, 2565), (29, 2703), (32, 2823), (34, 2943), (35, 2955), (42, 3120), (43, 3213), (44, 3246),

Gene: Paphu_4 Start: 1726, Stop: 2796, Start Num: 20
Candidate Starts for Paphu_4:
(Start: 20 @1726 has 217 MA's), (22, 1789), (23, 1801), (24, 1858), (26, 1936), (29, 2074), (32, 2194), (34, 2314), (35, 2326), (42, 2491), (43, 2584), (44, 2617),

Gene: Paraselene_4 Start: 2010, Stop: 3080, Start Num: 20
Candidate Starts for Paraselene_4:
(Start: 20 @2010 has 217 MA's), (22, 2073), (23, 2085), (24, 2142), (26, 2220), (29, 2358), (32, 2478), (34, 2598), (35, 2610), (42, 2775), (43, 2868), (44, 2901),

Gene: Pari_6 Start: 2500, Stop: 3570, Start Num: 20

Candidate Starts for Pari_6:
(Start: 20 @2500 has 217 MA's), (22, 2563), (23, 2575), (24, 2632), (26, 2710), (30, 2857), (32, 2968), (34, 3088), (35, 3100), (44, 3391),

Gene: Parliament_4 Start: 2207, Stop: 3277, Start Num: 20
Candidate Starts for Parliament_4:
(Start: 20 @2207 has 217 MA's), (22, 2270), (23, 2282), (24, 2339), (26, 2417), (29, 2555), (32, 2675), (34, 2795), (35, 2807), (44, 3098),

Gene: PascalRango_4 Start: 1883, Stop: 2953, Start Num: 20
Candidate Starts for PascalRango_4:
(Start: 17 @1856 has 3 MA's), (Start: 20 @1883 has 217 MA's), (22, 1946), (23, 1958), (24, 2015), (26, 2093), (30, 2240), (32, 2351), (34, 2471), (35, 2483), (44, 2774),

Gene: PattyP_6 Start: 2041, Stop: 3111, Start Num: 20
Candidate Starts for PattyP_6:
(Start: 20 @2041 has 217 MA's), (22, 2104), (23, 2116), (24, 2173), (26, 2251), (30, 2398), (32, 2509), (34, 2629), (35, 2641), (44, 2932),

Gene: Payneful_5 Start: 1830, Stop: 2900, Start Num: 20
Candidate Starts for Payneful_5:
(Start: 20 @1830 has 217 MA's), (22, 1893), (23, 1905), (24, 1962), (26, 2040), (30, 2187), (32, 2298), (34, 2418), (35, 2430), (44, 2721),

Gene: Pelly_6 Start: 2680, Stop: 3750, Start Num: 20
Candidate Starts for Pelly_6:
(Start: 19 @2662 has 3 MA's), (Start: 20 @2680 has 217 MA's), (22, 2743), (23, 2755), (24, 2812), (26, 2890), (29, 3028), (31, 3043), (32, 3148), (34, 3268), (35, 3280), (42, 3445), (44, 3571),

Gene: Pepe_6 Start: 2703, Stop: 3773, Start Num: 20
Candidate Starts for Pepe_6:
(Start: 20 @2703 has 217 MA's), (22, 2766), (23, 2778), (24, 2835), (26, 2913), (29, 3051), (32, 3171), (34, 3291), (35, 3303), (42, 3468), (43, 3561), (44, 3594),

Gene: Perseus_6 Start: 2400, Stop: 3470, Start Num: 20
Candidate Starts for Perseus_6:
(Start: 20 @2400 has 217 MA's), (22, 2463), (23, 2475), (24, 2532), (26, 2610), (29, 2748), (32, 2868), (34, 2988), (35, 3000), (42, 3165), (43, 3258), (44, 3291),

Gene: Peterson_7 Start: 3535, Stop: 4605, Start Num: 20
Candidate Starts for Peterson_7:
(Start: 20 @3535 has 217 MA's), (22, 3598), (23, 3610), (24, 3667), (26, 3745), (29, 3883), (32, 4003), (34, 4123), (35, 4135), (42, 4300), (43, 4393), (44, 4426),

Gene: Petp2012_7 Start: 2208, Stop: 3278, Start Num: 20
Candidate Starts for Petp2012_7:
(Start: 20 @2208 has 217 MA's), (22, 2271), (23, 2283), (24, 2340), (26, 2418), (29, 2556), (32, 2676), (34, 2796), (35, 2808), (42, 2973), (44, 3099),

Gene: Petruchio_5 Start: 1949, Stop: 3019, Start Num: 20
Candidate Starts for Petruchio_5:
(Start: 19 @1931 has 3 MA's), (Start: 20 @1949 has 217 MA's), (22, 2012), (23, 2024), (24, 2081), (29, 2297), (32, 2417), (34, 2537), (35, 2549), (44, 2840),

Gene: PherrisBueller_6 Start: 2119, Stop: 3189, Start Num: 20
Candidate Starts for PherrisBueller_6:
(Start: 20 @2119 has 217 MA's), (22, 2182), (23, 2194), (24, 2251), (26, 2329), (32, 2587), (34, 2707), (35, 2719), (41, 2824), (44, 3010),

Gene: PhineBark_3 Start: 1738, Stop: 2808, Start Num: 20
Candidate Starts for PhineBark_3:
(Start: 20 @1738 has 217 MA's), (22, 1801), (23, 1813), (24, 1870), (26, 1948), (30, 2095), (32, 2206), (34, 2326), (35, 2338), (43, 2596), (44, 2629),

Gene: Phlippers_4 Start: 2217, Stop: 3287, Start Num: 20
Candidate Starts for Phlippers_4:
(Start: 20 @2217 has 217 MA's), (22, 2280), (23, 2292), (24, 2349), (26, 2427), (29, 2565), (32, 2685), (35, 2817), (42, 2982), (43, 3075), (44, 3108),

Gene: PhrostyMug_4 Start: 2104, Stop: 3174, Start Num: 20
Candidate Starts for PhrostyMug_4:
(Start: 20 @2104 has 217 MA's), (22, 2167), (23, 2179), (24, 2236), (26, 2314), (29, 2452), (32, 2572), (34, 2692), (35, 2704), (42, 2869), (43, 2962), (44, 2995),

Gene: PinkPlastic_3 Start: 1763, Stop: 2833, Start Num: 21
Candidate Starts for PinkPlastic_3:
(Start: 21 @1763 has 7 MA's), (22, 1826), (23, 1838), (24, 1895), (26, 1973), (29, 2111), (32, 2231), (34, 2351), (35, 2363), (43, 2621), (44, 2654),

Gene: Pinto_7 Start: 2390, Stop: 3460, Start Num: 20
Candidate Starts for Pinto_7:
(Start: 20 @2390 has 217 MA's), (22, 2453), (23, 2465), (24, 2522), (26, 2600), (29, 2738), (32, 2858), (34, 2978), (35, 2990), (42, 3155), (44, 3281),

Gene: Pippin_6 Start: 2089, Stop: 3159, Start Num: 20
Candidate Starts for Pippin_6:
(Start: 19 @2071 has 3 MA's), (Start: 20 @2089 has 217 MA's), (22, 2152), (23, 2164), (24, 2221), (26, 2299), (29, 2437), (32, 2557), (34, 2677), (35, 2689), (42, 2854), (44, 2980),

Gene: Pita2_7 Start: 2748, Stop: 3818, Start Num: 20
Candidate Starts for Pita2_7:
(Start: 20 @2748 has 217 MA's), (22, 2811), (23, 2823), (24, 2880), (26, 2958), (30, 3105), (32, 3216), (34, 3336), (35, 3348), (44, 3639),

Gene: PowerRanger_4 Start: 2003, Stop: 3073, Start Num: 20
Candidate Starts for PowerRanger_4:
(15, 1898), (Start: 19 @1985 has 3 MA's), (Start: 20 @2003 has 217 MA's), (22, 2066), (23, 2078), (24, 2135), (26, 2213), (29, 2351), (32, 2471), (34, 2591), (35, 2603), (42, 2768), (43, 2861), (44, 2894),

Gene: ProMouse_6 Start: 2074, Stop: 3144, Start Num: 20
Candidate Starts for ProMouse_6:
(Start: 19 @2056 has 3 MA's), (Start: 20 @2074 has 217 MA's), (22, 2137), (23, 2149), (24, 2206), (26, 2284), (29, 2422), (32, 2542), (34, 2662), (35, 2674), (41, 2779), (44, 2965),

Gene: Puppet_5 Start: 2366, Stop: 3436, Start Num: 20
Candidate Starts for Puppet_5:

(Start: 20 @2366 has 217 MA's), (22, 2429), (23, 2441), (24, 2498), (26, 2576), (29, 2714), (32, 2834), (35, 2966), (42, 3131), (43, 3224), (44, 3257),

Gene: QTRlifeCrisis_4 Start: 2165, Stop: 3235, Start Num: 20
Candidate Starts for QTRlifeCrisis_4:
(Start: 20 @2165 has 217 MA's), (22, 2228), (23, 2240), (24, 2297), (26, 2375), (29, 2513), (32, 2633), (34, 2753), (35, 2765), (43, 3023), (44, 3056),

Gene: Raid_5 Start: 2019, Stop: 3089, Start Num: 20
Candidate Starts for Raid_5:
(Start: 20 @2019 has 217 MA's), (22, 2082), (23, 2094), (24, 2151), (26, 2229), (29, 2367), (32, 2487), (34, 2607), (35, 2619), (44, 2910),

Gene: Rajelicia_4 Start: 1878, Stop: 2948, Start Num: 21
Candidate Starts for Rajelicia_4:
(Start: 21 @1878 has 7 MA's), (22, 1941), (23, 1953), (24, 2010), (26, 2088), (29, 2226), (31, 2241), (32, 2346), (34, 2466), (35, 2478), (42, 2643), (43, 2736), (44, 2769),

Gene: Rhynn_5 Start: 2324, Stop: 3394, Start Num: 20
Candidate Starts for Rhynn_5:
(Start: 20 @2324 has 217 MA's), (22, 2387), (23, 2399), (24, 2456), (26, 2534), (32, 2792), (34, 2912), (35, 2924), (43, 3182), (44, 3215),

Gene: RidgeCB_5 Start: 1846, Stop: 2916, Start Num: 20
Candidate Starts for RidgeCB_5:
(Start: 20 @1846 has 217 MA's), (22, 1909), (23, 1921), (24, 1978), (26, 2056), (29, 2194), (32, 2314), (34, 2434), (35, 2446), (42, 2611), (44, 2737),

Gene: Ringer_4 Start: 2333, Stop: 3403, Start Num: 20
Candidate Starts for Ringer_4:
(Start: 19 @2315 has 3 MA's), (Start: 20 @2333 has 217 MA's), (22, 2396), (23, 2408), (24, 2465), (26, 2543), (29, 2681), (32, 2801), (34, 2921), (35, 2933), (41, 3038), (42, 3098), (44, 3224),

Gene: Rohr_6 Start: 2540, Stop: 3610, Start Num: 20
Candidate Starts for Rohr_6:
(Start: 20 @2540 has 217 MA's), (22, 2603), (23, 2615), (24, 2672), (26, 2750), (30, 2897), (32, 3008), (34, 3128), (35, 3140), (40, 3215), (43, 3398), (44, 3431),

Gene: Rubeus_5 Start: 1847, Stop: 2917, Start Num: 20
Candidate Starts for Rubeus_5:
(Start: 20 @1847 has 217 MA's), (22, 1910), (23, 1922), (24, 1979), (26, 2057), (29, 2195), (32, 2315), (34, 2435), (35, 2447), (42, 2612), (44, 2738),

Gene: Rufus_5 Start: 1904, Stop: 2974, Start Num: 20
Candidate Starts for Rufus_5:
(Start: 20 @1904 has 217 MA's), (22, 1967), (23, 1979), (24, 2036), (26, 2114), (30, 2261), (32, 2372), (34, 2492), (35, 2504), (41, 2609), (42, 2669), (44, 2795),

Gene: Ruotula_4 Start: 2465, Stop: 3535, Start Num: 20
Candidate Starts for Ruotula_4:
(Start: 20 @2465 has 217 MA's), (22, 2528), (23, 2540), (24, 2597), (26, 2675), (29, 2813), (31, 2828), (32, 2933), (35, 3065), (43, 3323), (44, 3356),

Gene: Rutherferd_6 Start: 2365, Stop: 3435, Start Num: 20
Candidate Starts for Rutherferd_6:
(Start: 19 @2347 has 3 MA's), (Start: 20 @2365 has 217 MA's), (22, 2428), (23, 2440), (24, 2497), (26, 2575), (29, 2713), (32, 2833), (34, 2953), (35, 2965), (42, 3130), (43, 3223), (44, 3256),

Gene: STLscum_6 Start: 2457, Stop: 3527, Start Num: 20
Candidate Starts for STLscum_6:
(Start: 20 @2457 has 217 MA's), (22, 2520), (23, 2532), (24, 2589), (26, 2667), (30, 2814), (32, 2925), (34, 3045), (35, 3057), (42, 3222), (43, 3315), (44, 3348),

Gene: Sagefire_6 Start: 2520, Stop: 3590, Start Num: 20
Candidate Starts for Sagefire_6:
(Start: 17 @2493 has 3 MA's), (Start: 20 @2520 has 217 MA's), (22, 2583), (23, 2595), (24, 2652), (26, 2730), (29, 2868), (32, 2988), (34, 3108), (35, 3120), (42, 3285), (44, 3411),

Gene: Sandaddy_4 Start: 2241, Stop: 3311, Start Num: 20
Candidate Starts for Sandaddy_4:
(Start: 20 @2241 has 217 MA's), (22, 2304), (23, 2316), (24, 2373), (26, 2451), (32, 2709), (34, 2829), (35, 2841), (38, 2892), (42, 3006), (44, 3132),

Gene: Sanya_5 Start: 2903, Stop: 3973, Start Num: 20
Candidate Starts for Sanya_5:
(Start: 19 @2885 has 3 MA's), (Start: 20 @2903 has 217 MA's), (22, 2966), (23, 2978), (24, 3035), (26, 3113), (30, 3260), (32, 3371), (34, 3491), (35, 3503), (44, 3794),

Gene: SarFire_5 Start: 2102, Stop: 3172, Start Num: 20
Candidate Starts for SarFire_5:
(Start: 20 @2102 has 217 MA's), (22, 2165), (23, 2177), (24, 2234), (29, 2450), (32, 2570), (34, 2690), (35, 2702), (43, 2960), (44, 2993),

Gene: Scowl_6 Start: 2785, Stop: 3855, Start Num: 20
Candidate Starts for Scowl_6:
(Start: 20 @2785 has 217 MA's), (22, 2848), (23, 2860), (24, 2917), (26, 2995), (29, 3133), (32, 3253), (34, 3373), (35, 3385), (42, 3550), (43, 3643), (44, 3676),

Gene: Seabiscuit_6 Start: 2000, Stop: 3070, Start Num: 20
Candidate Starts for Seabiscuit_6:
(Start: 20 @2000 has 217 MA's), (22, 2063), (23, 2075), (24, 2132), (26, 2210), (30, 2357), (32, 2468), (34, 2588), (35, 2600), (42, 2765), (43, 2858), (44, 2891),

Gene: Seanderson_6 Start: 2764, Stop: 3834, Start Num: 21
Candidate Starts for Seanderson_6:
(Start: 21 @2764 has 7 MA's), (22, 2827), (23, 2839), (24, 2896), (26, 2974), (29, 3112), (32, 3232), (34, 3352), (35, 3364), (43, 3622), (44, 3655),

Gene: ShortQueendom_4 Start: 1699, Stop: 2769, Start Num: 20
Candidate Starts for ShortQueendom_4:
(Start: 20 @1699 has 217 MA's), (22, 1762), (23, 1774), (24, 1831), (26, 1909), (30, 2056), (32, 2167), (34, 2287), (35, 2299), (44, 2590),

Gene: Sibs6_6 Start: 2040, Stop: 3110, Start Num: 20
Candidate Starts for Sibs6_6:

(Start: 20 @2040 has 217 MA's), (22, 2103), (23, 2115), (24, 2172), (26, 2250), (29, 2388), (32, 2508), (34, 2628), (35, 2640), (42, 2805), (44, 2931),

Gene: SkiPole_6 Start: 2409, Stop: 3506, Start Num: 17
Candidate Starts for SkiPole_6:
(Start: 17 @2409 has 3 MA's), (Start: 20 @2436 has 217 MA's), (22, 2499), (23, 2511), (24, 2568), (26, 2646), (30, 2793), (32, 2904), (34, 3024), (35, 3036), (42, 3201), (43, 3294), (44, 3327),

Gene: Slagathor_5 Start: 1849, Stop: 2919, Start Num: 20
Candidate Starts for Slagathor_5:
(Start: 20 @1849 has 217 MA's), (22, 1912), (23, 1924), (24, 1981), (26, 2059), (29, 2197), (32, 2317), (33, 2422), (34, 2437), (35, 2449), (39, 2512), (44, 2740),

Gene: Smairt_6 Start: 2713, Stop: 3783, Start Num: 20
Candidate Starts for Smairt_6:
(Start: 19 @2695 has 3 MA's), (Start: 20 @2713 has 217 MA's), (22, 2776), (23, 2788), (24, 2845), (26, 2923), (29, 3061), (32, 3181), (34, 3301), (35, 3313), (36, 3334), (42, 3478), (44, 3604),

Gene: Smeagol_6 Start: 3028, Stop: 4098, Start Num: 20
Candidate Starts for Smeagol_6:
(Start: 20 @3028 has 217 MA's), (22, 3091), (23, 3103), (24, 3160), (26, 3238), (29, 3376), (31, 3391), (32, 3496), (34, 3616), (35, 3628), (42, 3793), (44, 3919),

Gene: Snazzy_3 Start: 1744, Stop: 2814, Start Num: 20
Candidate Starts for Snazzy_3:
(Start: 19 @1726 has 3 MA's), (Start: 20 @1744 has 217 MA's), (22, 1807), (23, 1819), (24, 1876), (26, 1954), (30, 2101), (32, 2212), (34, 2332), (35, 2344), (44, 2635),

Gene: Solon_4 Start: 1737, Stop: 2807, Start Num: 20
Candidate Starts for Solon_4:
(Start: 17 @1710 has 3 MA's), (Start: 20 @1737 has 217 MA's), (22, 1800), (23, 1812), (24, 1869), (26, 1947), (29, 2085), (32, 2205), (34, 2325), (35, 2337), (43, 2595), (44, 2628),

Gene: Sorpresa_5 Start: 2241, Stop: 3311, Start Num: 20
Candidate Starts for Sorpresa_5:
(Start: 20 @2241 has 217 MA's), (22, 2304), (23, 2316), (24, 2373), (26, 2451), (32, 2709), (34, 2829), (35, 2841), (42, 3006), (44, 3132),

Gene: SpikeBT_5 Start: 2113, Stop: 3183, Start Num: 20
Candidate Starts for SpikeBT_5:
(Start: 20 @2113 has 217 MA's), (22, 2176), (23, 2188), (24, 2245), (26, 2323), (29, 2461), (32, 2581), (34, 2701), (35, 2713), (42, 2878), (43, 2971), (44, 3004),

Gene: Squee_4 Start: 1863, Stop: 2933, Start Num: 20
Candidate Starts for Squee_4:
(Start: 20 @1863 has 217 MA's), (22, 1926), (23, 1938), (24, 1995), (28, 2118), (29, 2211), (32, 2331), (34, 2451), (35, 2463), (41, 2568), (44, 2754),

Gene: StewieG_4 Start: 2112, Stop: 3182, Start Num: 20
Candidate Starts for StewieG_4:
(Start: 20 @2112 has 217 MA's), (22, 2175), (23, 2187), (24, 2244), (26, 2322), (29, 2460), (32, 2580), (34, 2700), (35, 2712), (42, 2877), (43, 2970), (44, 3003),

Gene: StrongArm_4 Start: 1955, Stop: 3025, Start Num: 20
Candidate Starts for StrongArm_4:
(Start: 20 @1955 has 217 MA's), (22, 2018), (23, 2030), (24, 2087), (26, 2165), (29, 2303), (32, 2423), (34, 2543), (35, 2555), (42, 2720), (44, 2846),

Gene: Sumter_4 Start: 1836, Stop: 2906, Start Num: 20
Candidate Starts for Sumter_4:
(Start: 20 @1836 has 217 MA's), (22, 1899), (23, 1911), (24, 1968), (26, 2046), (29, 2184), (32, 2304), (34, 2424), (35, 2436), (42, 2601), (44, 2727),

Gene: Sunshine924_4 Start: 1817, Stop: 2887, Start Num: 20
Candidate Starts for Sunshine924_4:
(Start: 19 @1799 has 3 MA's), (Start: 20 @1817 has 217 MA's), (22, 1880), (23, 1892), (24, 1949), (26, 2027), (29, 2165), (32, 2285), (34, 2405), (35, 2417), (42, 2582), (43, 2675), (44, 2708),

Gene: SwissCheese_5 Start: 2279, Stop: 3349, Start Num: 20
Candidate Starts for SwissCheese_5:
(Start: 20 @2279 has 217 MA's), (22, 2342), (23, 2354), (24, 2411), (26, 2489), (30, 2636), (32, 2747), (34, 2867), (35, 2879), (43, 3137), (44, 3170),

Gene: Switzer_5 Start: 1853, Stop: 2950, Start Num: 17
Candidate Starts for Switzer_5:
(Start: 17 @1853 has 3 MA's), (Start: 20 @1880 has 217 MA's), (22, 1943), (23, 1955), (24, 2012), (26, 2090), (30, 2237), (32, 2348), (34, 2468), (35, 2480), (42, 2645), (44, 2771),

Gene: Swole_7 Start: 2748, Stop: 3818, Start Num: 20
Candidate Starts for Swole_7:
(Start: 20 @2748 has 217 MA's), (22, 2811), (23, 2823), (24, 2880), (26, 2958), (30, 3105), (32, 3216), (34, 3336), (35, 3348), (44, 3639),

Gene: Target_6 Start: 2536, Stop: 3606, Start Num: 20
Candidate Starts for Target_6:
(Start: 20 @2536 has 217 MA's), (22, 2599), (23, 2611), (24, 2668), (29, 2884), (31, 2899), (32, 3004), (34, 3124), (35, 3136), (39, 3199), (41, 3241), (44, 3427),

Gene: Tasp14_6 Start: 2536, Stop: 3606, Start Num: 20
Candidate Starts for Tasp14_6:
(Start: 20 @2536 has 217 MA's), (22, 2599), (23, 2611), (24, 2668), (26, 2746), (30, 2893), (32, 3004), (34, 3124), (35, 3136), (44, 3427),

Gene: Teodoridan_3 Start: 1682, Stop: 2752, Start Num: 20
Candidate Starts for Teodoridan_3:
(Start: 20 @1682 has 217 MA's), (22, 1745), (23, 1757), (24, 1814), (26, 1892), (30, 2039), (32, 2150), (34, 2270), (35, 2282), (44, 2573),

Gene: TheloniousMonk_5 Start: 2164, Stop: 3234, Start Num: 20
Candidate Starts for TheloniousMonk_5:
(Start: 20 @2164 has 217 MA's), (22, 2227), (23, 2239), (24, 2296), (26, 2374), (29, 2512), (32, 2632), (34, 2752), (35, 2764), (43, 3022), (44, 3055),

Gene: Thor_5 Start: 2102, Stop: 3172, Start Num: 20
Candidate Starts for Thor_5:

(Start: 20 @2102 has 217 MA's), (22, 2165), (23, 2177), (24, 2234), (29, 2450), (32, 2570), (34, 2690), (35, 2702), (43, 2960), (44, 2993),

Gene: Topgun_5 Start: 2028, Stop: 3098, Start Num: 20
Candidate Starts for Topgun_5:
(Start: 20 @2028 has 217 MA's), (22, 2091), (23, 2103), (24, 2160), (26, 2238), (29, 2376), (32, 2496), (34, 2616), (35, 2628), (42, 2793), (43, 2886), (44, 2919),

Gene: Tote_7 Start: 2748, Stop: 3818, Start Num: 20
Candidate Starts for Tote_7:
(Start: 20 @2748 has 217 MA's), (22, 2811), (23, 2823), (24, 2880), (26, 2958), (30, 3105), (32, 3216), (34, 3336), (35, 3348), (44, 3639),

Gene: Traft412_7 Start: 2926, Stop: 3996, Start Num: 20
Candidate Starts for Traft412_7:
(Start: 20 @2926 has 217 MA's), (22, 2989), (23, 3001), (24, 3058), (26, 3136), (29, 3274), (32, 3394), (34, 3514), (35, 3526), (44, 3817),

Gene: Treddle_5 Start: 2143, Stop: 3240, Start Num: 17
Candidate Starts for Treddle_5:
(Start: 17 @2143 has 3 MA's), (Start: 20 @2170 has 217 MA's), (22, 2233), (23, 2245), (24, 2302), (26, 2380), (29, 2518), (32, 2638), (34, 2758), (35, 2770), (42, 2935), (44, 3061),

Gene: Tripl3t_6 Start: 2942, Stop: 4012, Start Num: 20
Candidate Starts for Tripl3t_6:
(Start: 20 @2942 has 217 MA's), (22, 3005), (23, 3017), (24, 3074), (26, 3152), (29, 3290), (32, 3410), (34, 3530), (35, 3542), (43, 3800), (44, 3833),

Gene: Trouble_5 Start: 2579, Stop: 3649, Start Num: 20
Candidate Starts for Trouble_5:
(Start: 20 @2579 has 217 MA's), (22, 2642), (23, 2654), (24, 2711), (26, 2789), (29, 2927), (32, 3047), (34, 3167), (35, 3179), (42, 3344), (43, 3437), (44, 3470),

Gene: Turj99_4 Start: 2014, Stop: 3084, Start Num: 20
Candidate Starts for Turj99_4:
(Start: 20 @2014 has 217 MA's), (22, 2077), (23, 2089), (24, 2146), (26, 2224), (29, 2362), (32, 2482), (34, 2602), (35, 2614), (42, 2779), (44, 2905),

Gene: TwoPeat_6 Start: 2541, Stop: 3611, Start Num: 20
Candidate Starts for TwoPeat_6:
(Start: 20 @2541 has 217 MA's), (22, 2604), (23, 2616), (24, 2673), (30, 2898), (32, 3009), (34, 3129), (35, 3141), (41, 3246), (44, 3432),

Gene: U2_4 Start: 1882, Stop: 2952, Start Num: 20
Candidate Starts for U2_4:
(Start: 17 @1855 has 3 MA's), (Start: 20 @1882 has 217 MA's), (22, 1945), (23, 1957), (24, 2014), (26, 2092), (30, 2239), (32, 2350), (34, 2470), (35, 2482), (42, 2647), (44, 2773),

Gene: Violet_4 Start: 1827, Stop: 2897, Start Num: 20
Candidate Starts for Violet_4:
(Start: 20 @1827 has 217 MA's), (22, 1890), (23, 1902), (24, 1959), (26, 2037), (29, 2175), (32, 2295), (34, 2415), (35, 2427), (42, 2592), (44, 2718),

Gene: Watermelon_7 Start: 3121, Stop: 4191, Start Num: 20
Candidate Starts for Watermelon_7:
(Start: 20 @3121 has 217 MA's), (22, 3184), (23, 3196), (24, 3253), (26, 3331), (29, 3469), (32, 3589), (34, 3709), (35, 3721), (42, 3886), (44, 4012),

Gene: Wheeler_5 Start: 2287, Stop: 3357, Start Num: 20
Candidate Starts for Wheeler_5:
(Start: 20 @2287 has 217 MA's), (22, 2350), (23, 2362), (24, 2419), (26, 2497), (29, 2635), (32, 2755), (35, 2887), (42, 3052), (43, 3145), (44, 3178),

Gene: Whitspit_5 Start: 2338, Stop: 3408, Start Num: 20
Candidate Starts for Whitspit_5:
(Start: 20 @2338 has 217 MA's), (22, 2401), (23, 2413), (24, 2470), (26, 2548), (30, 2695), (32, 2806), (34, 2926), (35, 2938), (44, 3229),

Gene: Wilkins_5 Start: 2028, Stop: 3098, Start Num: 20
Candidate Starts for Wilkins_5:
(Start: 20 @2028 has 217 MA's), (22, 2091), (23, 2103), (24, 2160), (26, 2238), (29, 2376), (32, 2496), (34, 2616), (35, 2628), (42, 2793), (43, 2886), (44, 2919),

Gene: Zeeculate_4 Start: 2003, Stop: 3073, Start Num: 20
Candidate Starts for Zeeculate_4:
(Start: 20 @2003 has 217 MA's), (22, 2066), (23, 2078), (24, 2135), (26, 2213), (30, 2360), (32, 2471), (34, 2591), (35, 2603), (39, 2666), (44, 2894),

Gene: Zephyr_5 Start: 2134, Stop: 3204, Start Num: 20
Candidate Starts for Zephyr_5:
(Start: 20 @2134 has 217 MA's), (22, 2197), (23, 2209), (24, 2266), (26, 2344), (30, 2491), (32, 2602), (34, 2722), (35, 2734), (41, 2839), (44, 3025),

Gene: Zeuska_4 Start: 2058, Stop: 3128, Start Num: 20
Candidate Starts for Zeuska_4:
(Start: 20 @2058 has 217 MA's), (22, 2121), (23, 2133), (24, 2190), (26, 2268), (29, 2406), (31, 2421), (32, 2526), (34, 2646), (35, 2658), (42, 2823), (43, 2916), (44, 2949),