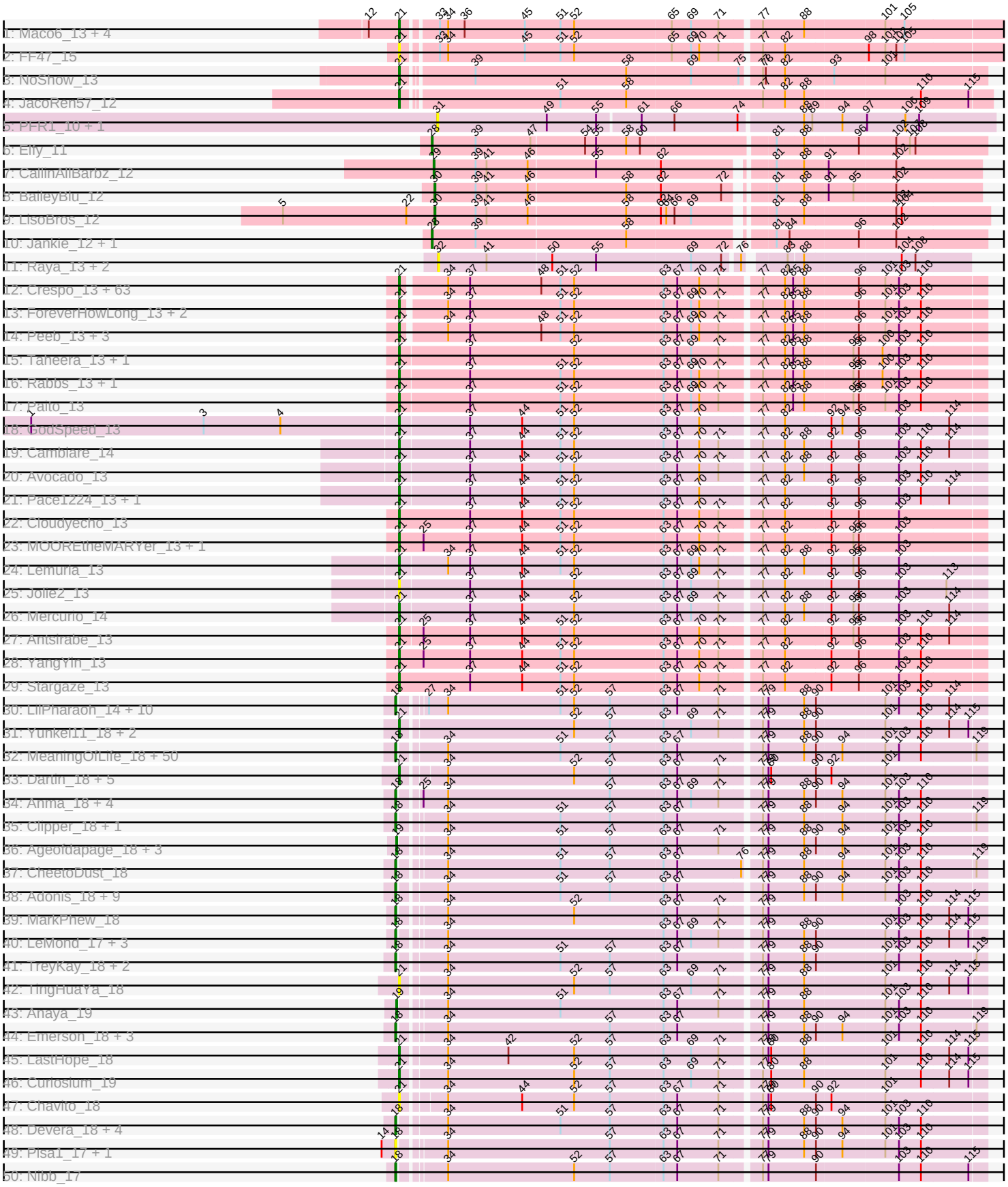
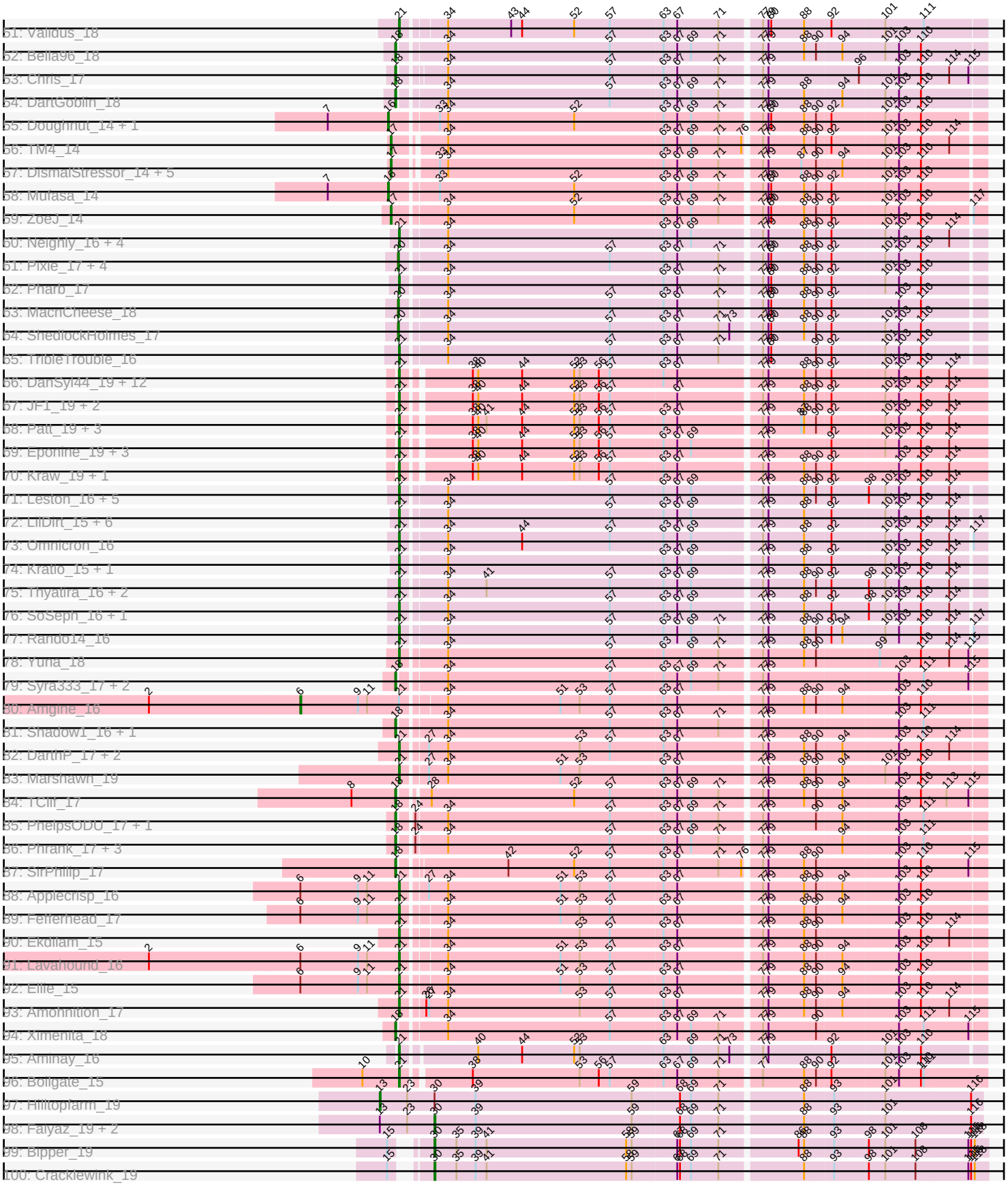
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1: Maco6_13 + 4
2: FF47_15
3: NoShow_13
4: JacoRen57_12
5: PFR1_10 + 1
6: Elly_11
7: CallinAllBarbz_12
8: BaileyBlu_12
9: LisoBros_12
10: Jankie_12 + 1
11: Raya_13 + 2
12: Crespo_13 + 63
13: ForeverHowLong_13 + 2
14: Peeb_13 + 3
15: Taheera_13 + 1
16: Rabbs_13 + 1
17: Palto_13
18: GodSpeed_13
19: Cambiare_14
20: Avocado_13
21: Pace1224_13 + 1
22: Cloudyecho_13
23: MOOREtheMARYer_13 + 1
24: Lemuria_13
25: Jolie2_13
26: Mercurio_14
27: Amsirabe_13
28: YangYin_13
29: Stargaze_13
30: LilPharaoh_14 + 10
31: Yunkel11_18 + 2
32: MeaningOfLife_18 + 50
33: Darlin_18 + 5
34: Anma_18 + 4
35: Clipper_18 + 1
36: Ageoldapage_18 + 3
37: CheetoDust_18
38: Adonis_18 + 9
39: MarkPhew_18
40: LeMond_17 + 3
41: TreyKay_18 + 2
42: TingHuaYa_18
43: Anaya_19
44: Emerson_18 + 3
45: LastHope_18
46: Curiosium_19
47: Chavito_18
48: Devera_18 + 4
49: Pisa1_17 + 1
50: Nibb_17

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51: Validus_18
52: Bella96_18
53: Chris_17
54: DartGoblin_18
55: Doughnut_14 + 1
56: TM4_14
57: DismalStressor_14 + 5
58: Mufasa_14
59: ZoeJ_14
60: Neighly_16 + 4
61: Pixie_17 + 4
62: Pharb_17
63: MacnCheese_18
64: SherlockHolmes_17
65: TribleTrouble_16
66: DanSyl44_19 + 12
67: JF1_19 + 2
68: Patt_19 + 3
69: Epohine_19 + 3
70: Kraw_19 + 1
71: Leston_16 + 5
72: LilDirt_15 + 6
73: Omnicron_16
74: Kratio_15 + 1
75: Thyatira_16 + 2
76: SoSeph_16 + 1
77: Rando14_16
78: Yuna_18
79: Syra333_17 + 2
80: Amgine_16
81: Shadow1_16 + 1
82: DarthP_17 + 2
83: Marshawn_19
84: TCliff_17
85: PhelpsODU_17 + 1
86: Phrank_17 + 3
87: SirPhilip_17
88: Applecrisp_16
89: Fellerhead_17
90: Ekdilam_15
91: Lavahound_16
92: Ellie_15
93: Amohnition_17
94: Ximenita_18
95: Aminay_16
96: Boilgate_15
97: Hilltopfarm_19
98: Faiyaz_19 + 2
99: Bipper_19
100: Cracklewink_19

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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 347142 Report

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

Pham number 347142 has 339 members, 30 are drafts.

Phages represented in each track:
• Track 1 : Maco6_13, 8UZL_15, Muddy_15, Salvus_16, LongHai_16
• Track 2 : FF47_15
• Track 3 : NoShow_13
• Track 4 : JacoRen57_12
• Track 5 : PFR1_10, PFR2_10
• Track 6 : Elfy_11
• Track 7 : CallinAllBarbz_12
• Track 8 : BaileyBlu_12
• Track 9 : LisoBros_12
• Track 10 : Jankie_12, GrimEater_12
• Track 11 : Raya_13, Skyerus_13, Neroxid_13
• Track 12 : Crespo_13, Darionha_13, PinkYoshi_13, CLED96_13, Frosty24_13, ShaboiShabazz_13, Jeilious_13, Gomashi_13, ZoMa_13, DMoney_13, DingDing_13, Phish_13, LouisV14_13, Jolene_13, Rattrick_13, AizenPogi_13, BQuat_13, Jane_13, Remy19_13, CassieYates_13, Terralys_13, Angel_13, Coleslaw_13, ECartman_13, OctaviousRex_13, Richarlison_13, Kasen3_13, Wendigo_13, BPs_13, DNAIII_0013, Maliketh_13, Phloodle_13, Periodt_13, Jonghyun_13, Neoh_13, Avrafan_13, Schiebel_13, Plagueis_13, Olga_13, Aroostook_13, Cedasite_13, Sizemore_13, Hope_13, Zombie_13, MZKinsey_13, Sweets_13, Hotshotbaby7_13, Mowgli_13, Cherrybomb426_13, Kareem_13, Chance64_13, Marmie_13, Ruriko_13, JorRay_13, Renaissance_13, Gideon_13, GoldenAsh_13, Annihilator_13, Camri_13, TomBrady_13, AzulaCat_13, BruceB_13, Primanti_13, Phreak_13
• Track 13 : ForeverHowLong_13, Halo_13, TinaBug_13
• Track 14 : Peeb_13, Barkley26_13, Liefie_13, Grizzly_13
• Track 15 : Taheera_13, Terror_13
• Track 16 : Rabbs_13, Sneeze_13
• Track 17 : Paito_13
• Track 18 : GodSpeed_13
• Track 19 : Cambiare_14
• Track 20 : Avocado_13
• Track 21 : Pace1224_13, FlagStaff_13
• Track 22 : Cloudyecho_13
• Track 23 : MOOREtheMARYer_13, Pinnie_14
• Track 24 : Lemuria_13
• Track 25 : Jolie2_13
• Track 26 : Mercurio_14
• Track 27 : Antsirabe_13

• Track 28 : YangYin_13
• Track 29 : Stargaze_13
• Track 30 : LilPharaoh_14, Trice_14, Amelie_14, Teejan_14, Enkosi_14, Nutello_14, Mdavu_14, SgtBeansprout_14, Nikao_14, Torres_14, Biglebops_14
• Track 31 : Yunkel11_18, Guanica15_18, Efra2_18
• Track 32 : MeaningOfLife_18, Capricorn_18, Blizzard_18, Lunahalos_18, Belladonna_18, BarrelRoll_18, BEEST_18, Adephagia_18, JAWS_18, CrimD_18, Durfee_18, Angelica_18, HedwigODU_18, CREW_18, Spock_18, Twitch_18, Llorens_18, ShiaSurprise_18, Sulley_18, Rosmarinus_18, Ramen_18, Jayhawk_18, YoureAdopted_17, CaseJules_18, TruffulaTree_18, Jarvi_18, Asayake_18, Peel_18, BGlluviae_18, Homura_18, Megsy_18, Apocalypse_18, Boiiii_18, Topper_18, Dalmuri_18, Rapunzel97_18, Hyperbowlee_18, Inky_18, Lokum_18, Jeckyll_18, Zabiza_18, Piatt_18, ActinUp_18, Mynx_18, BaghaKamala_18, TaiwanKao_19, Joy99_18, Zavala_18, Padfoot_18, Slimphazie_18, Deby_18
• Track 33 : Dartin_18, Shaobing_18, McMater_18, Peanam_18, Richo_18, Niklas_18
• Track 34 : Anma_18, SamuelLPlaqson_18, DrHayes_18, TiniBug_18, Urkel_18
• Track 35 : Clipper_18, MacKat_18
• Track 36 : Ageofdapage_18, Stinson_18, LaterM_18, Murucutumbu_18
• Track 37 : CheetoDust_18
• Track 38 : Adonis_18, CallaLilly_18, Tachez_18, Pokerus_17, QuincyRose_17, Ganymede_19, Beezoo_18, Tiri_18, Geraldini_18, Atiba_18
• Track 39 : MarkPhew_18
• Track 40 : LeMond_17, KiSi_17, Oscar_17, Scarlett_17
• Track 41 : TreyKay_18, LindNT_18, Prithvi_18
• Track 42 : TingHuaYa_18
• Track 43 : Anaya_19
• Track 44 : Emerson_18, AlishaPH_18, Padpat_18, Veliki_18
• Track 45 : LastHope_18
• Track 46 : Curiosium_19
• Track 47 : Chavito_18
• Track 48 : Devera_18, Illumine_18, Bern_18, Kheparia_20, Dole_18
• Track 49 : Pisa1_17, Pisa4_17
• Track 50 : Nibb_17
• Track 51 : Validus_18
• Track 52 : Bella96_18
• Track 53 : Chris_17
• Track 54 : DartGoblin_18
• Track 55 : Doughnut_14, BoostSeason_14
• Track 56 : TM4_14
• Track 57 : DismalStressor_14, Milly_14, Marcoliusprime_14, DismalFunk_14, Findley_14, Strobilo_14
• Track 58 : Mufasa_14
• Track 59 : ZoeJ_14
• Track 60 : Neighly_16, Dadosky_16, AlleyCat_16, Larva_16, Psycho_16
• Track 61 : Pixie_17, TBond007_17, Lea83_17, Hurricane_17, Keshu_17
• Track 62 : Pharb_17
• Track 63 : MacnCheese_18
• Track 64 : ShedlockHolmes_17
• Track 65 : TribleTrouble_16
• Track 66 : DanSyl44_19, Slarp_19, Wintermute_19, Mitti_19, Nolwazi_19, Chancellor_19, Lebo14_19, OmniCritical_19, YasnayaPolyana_19, SamScheppers_17, Qhanda_19, Fionnbharth_19, Cheetobro_19
• Track 67 : JF1_19, Y2_19, Y10_19

• Track 68 : Patt_19, MissDaisy_19, Bobquesha_19, Reptar3000_19
• Track 69 : Eponine_19, Taquito_17, Juliette_19, Ruthiejr_18
• Track 70 : Kraw_19, Malthus_19
• Track 71 : Leston_16, Miryou_16, OkiRoe_16, Guillsminger_16, Gengar_16, Paola_16
• Track 72 : LilDirt_15, Collard_16, InvictusManeo_16, ViviJ_15, DoubleChamp_16, Agent47_16, BananenDer11_16
• Track 73 : Omnicron_16
• Track 74 : Kratio_15, Edugator_15
• Track 75 : Thyatira_16, Feyre_16, Waterfoul_16
• Track 76 : SoSeph_16, Heftyboy_16
• Track 77 : Rando14_16
• Track 78 : Yuna_18
• Track 79 : Syra333_17, Tigress9_17, Krueger_17
• Track 80 : Amgine_16
• Track 81 : Shadow1_16, Sunflower1121_16
• Track 82 : DarthP_17, November_16, Hammy_17
• Track 83 : Marshawn_19
• Track 84 : TClif_17
• Track 85 : PhelpsODU_17, Unicorn_17
• Track 86 : Phrank_17, Bryler_17, Tierra_17, Cain_17
• Track 87 : SirPhilip_17
• Track 88 : Applecrisp_16
• Track 89 : Fefferhead_17
• Track 90 : Ekdilam_15
• Track 91 : Lavahound_16
• Track 92 : Ellie_15
• Track 93 : Amohnition_17
• Track 94 : Ximenita_18
• Track 95 : Aminay_16
• Track 96 : Boilgate_15
• Track 97 : Hilltopfarm_19
• Track 98 : Faiyaz_19, AuntGwenStacy_19, Typha_19
• Track 99 : Bipper_19
• Track 100 : Cracklewink_19
• Track 101 : Shambre1_14

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

The start number called the most often in the published annotations is 21, it was called in 162 of the 309 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 8UZL_15, Agent47_16, AizenPogi_13, AlleyCat_16, Aminay_16, Amohnition_17, Angel_13, Annihilator_13, Antsirabe_13, Applecrisp_16, Aroostook_13, Avocado_13, Avrafan_13, AzulaCat_13, BPs_13, BQuat_13, BananenDer11_16, Barkley26_13, Bobquesha_19, Boilgate_15, BruceB_13, CLED96_13, Cambiare_14, Camri_13, CassieYates_13, Cedasite_13, Chance64_13, Chancellor_19, Chavito_18, Cheetobro_19, Cherrybomb426_13, Cloudyecho_13, Coleslaw_13, Collard_16, Crespo_13, Curiosium_19, DMoney_13, DNAIII_0013, Dadosky_16, DanSyl44_19,

Darionha_13, DarthP_17, Dartin_18, DingDing_13, DoubleChamp_16, ECartman_13, Edugator_15, Efra2_18, Ekdilam_15, Ellie_15, Eponine_19, FF47_15, Fefferhead_17, Feyre_16, Fionnbharth_19, FlagStaff_13, ForeverHowLong_13, Frosty24_13, Gengar_16, Gideon_13, GodSpeed_13, GoldenAsh_13, Gomashi_13, Grizzly_13, Guanica15_18, Guillsminger_16, Halo_13, Hammy_17, Heftyboy_16, Hope_13, Hotshotbaby7_13, InvictusManeo_16, JF1_19, JacoRen57_12, Jane_13, Jeilious_13, Jolene_13, Jolie2_13, Jonghyun_13, JorRay_13, Juliette_19, Kareem_13, Kasen3_13, Kratio_15, Kraw_19, Larva_16, LastHope_18, Lavahound_16, Lebo14_19, Lemuria_13, Leston_16, Liefie_13, LilDirt_15, LongHai_16, LouisV14_13, MOOREtheMARYer_13, MZKinsey_13, Maco6_13, Maliketh_13, Malthus_19, Marmie_13, Marshawn_19, McMater_18, Mercurio_14, Miryou_16, MissDaisy_19, Mitti_19, Mowgli_13, Muddy_15, Neighly_16, Neoh_13, Niklas_18, NoShow_13, Nolwazi_19, November_16, OctaviousRex_13, OkiRoe_16, Olga_13, OmniCritical_19, Omnicron_16, Pace1224_13, Paito_13, Paola_16, Patt_19, Peanam_18, Peeb_13, Periodt_13, Pharb_17, Phish_13, Phloodle_13, Phreak_13, PinkYoshi_13, Pinnie_14, Plagueis_13, Primanti_13, Psycho_16, Qhanda_19, Rabbs_13, Rando14_16, Rattrick_13, Remy19_13, Renaissance_13, Reptar3000_19, Richarlison_13, Richo_18, Ruriko_13, Ruthiejr_18, Salvus_16, SamScheppers_17, Schiebel_13, ShaboiShabazz_13, Shaobing_18, Sizemore_13, Slarp_19, Sneeze_13, SoSeph_16, Stargaze_13, Sweets_13, Taheera_13, Taquito_17, Terralys_13, Terror_13, Thyatira_16, TinaBug_13, TingHuaYa_18, TomBrady_13, TribleTrouble_16, Validus_18, ViviJ_15, Waterfoul_16, Wendigo_13, Wintermute_19, Y10_19, Y2_19, YangYin_13, YasnayaPolyana_19, Yuna_18, Yunkel11_18, ZoMa_13, Zombie_13,

Genes that have the "Most Annotated" start but do not call it:
• Amgine_16,

Genes that do not have the "Most Annotated" start:
• ActinUp_18, Adephagia_18, Adonis_18, Ageofdapage_18, AlishaPH_18, Amelie_14, Anaya_19, Angelica_18, Anma_18, Apocalypse_18, Asayake_18, Atiba_18, AuntGwenStacy_19, BEEST_18, BGlluviae_18, BaghaKamala_18, BaileyBlu_12, BarrelRoll_18, Beezoo_18, Bella96_18, Belladonna_18, Bern_18, Biglebops_14, Bipper_19, Blizzard_18, Boiiii_18, BoostSeason_14, Bryler_17, CREW_18, Cain_17, CallaLilly_18, CallinAllBarbz_12, Capricorn_18, CaseJules_18, CheetoDust_18, Chris_17, Clipper_18, Cracklewink_19, CrimD_18, Dalmuri_18, DartGoblin_18, Deby_18, Devera_18, DismalFunk_14, DismalStressor_14, Dole_18, Doughnut_14, DrHayes_18, Durfee_18, Elfy_11, Emerson_18, Enkosi_14, Faiyaz_19, Findley_14, Ganymede_19, Geraldini_18, GrimEater_12, HedwigODU_18, Hilltopfarm_19, Homura_18, Hurricane_17, Hyperbowlee_18, Illumine_18, Inky_18, JAWS_18, Jankie_12, Jarvi_18, Jayhawk_18, Jeckyll_18, Joy99_18, Keshu_17, Kheparia_20, KiSi_17, Krueger_17, LaterM_18, LeMond_17, Lea83_17, LilPharaoh_14, LindNT_18, LisoBros_12, Llorens_18, Lokum_18, Lunahalos_18, MacKat_18, MacnCheese_18, Marcoliusprime_14, MarkPhew_18, Mdavu_14, MeaningOfLife_18, Megsy_18, Milly_14, Mufasa_14, Murucutumbu_18, Mynx_18, Neroxid_13, Nibb_17, Nikao_14, Nutello_14, Oscar_17, PFR1_10, PFR2_10, Padfoot_18, Padpat_18, Peel_18, PhelpsODU_17, Phrank_17, Piatt_18, Pisa1_17, Pisa4_17, Pixie_17, Pokerus_17, Prithvi_18, QuincyRose_17, Ramen_18, Rapunzel97_18, Raya_13, Rosmarinus_18, SamuelLPlaqson_18, Scarlett_17, SgtBeansprout_14, Shadow1_16, Shambre1_14, ShedlockHolmes_17, ShiaSurprise_18, SirPhilip_17, Skyerus_13, Slimphazie_18, Spock_18, Stinson_18, Strobilo_14, Sulley_18, Sunflower1121_16, Syra333_17, TBond007_17, TClif_17, TM4_14, Tachez_18, TaiwanKao_19, Teejan_14, Tierra_17, Tigress9_17,

TiniBug_18, Tiri_18, Topper_18, Torres_14, TreyKay_18, Trice_14, TruffulaTree_18, Twitch_18, Typha_19, Unicorn_17, Urkel_18, Veliki_18, Ximenita_18, YoureAdopted_17, Zabiza_18, Zavala_18, ZoeJ_14,

Summary by start number:

Start 6:
• Found in 5 of 339 (1.5%) of genes in pham
• Manual Annotations of this start: 1 of 309
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Amgine_16 (K6),

Start 13:
• Found in 4 of 339 (1.2%) of genes in pham
• Manual Annotations of this start: 1 of 309
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Hilltopfarm_19 (Y),

Start 16:
• Found in 3 of 339 (0.9%) of genes in pham
• Manual Annotations of this start: 3 of 309
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_14 (K2), Doughnut_14 (K2), Mufasa_14 (K2),

Start 17:
• Found in 8 of 339 (2.4%) of genes in pham
• Manual Annotations of this start: 8 of 309
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DismalFunk_14 (K2), DismalStressor_14 (K2), Findley_14 (K2), Marcoliusprime_14 (K2), Milly_14 (K2), Strobilo_14 (K2), TM4_14 (K2), ZoeJ_14 (K2),

Start 18:
• Found in 117 of 339 (34.5%) of genes in pham
• Manual Annotations of this start: 110 of 309
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ActinUp_18 (K1), Adephagia_18 (K1), Adonis_18 (K1), AlishaPH_18 (K1), Amelie_14 (K1), Angelica_18 (K1), Anma_18 (K1), Apocalypse_18 (K1), Asayake_18 (K1), Atiba_18 (K1), BEEST_18 (K1), BGlluviae_18 (K1), BaghaKamala_18 (K1), BarrelRoll_18 (K1), Beezoo_18 (K1), Bella96_18 (K1), Belladonna_18 (K1), Bern_18 (K1), Biglebops_14 (K1), Blizzard_18 (K1), Boiiii_18 (K1), Bryler_17 (K6), CREW_18 (K1), Cain_17 (K6), CallaLilly_18 (K1), Capricorn_18 (K1), CaseJules_18 (K1), CheetoDust_18 (K1), Chris_17 (K1), Clipper_18 (K1), CrimD_18 (K1), Dalmuri_18 (K1), DartGoblin_18 (K1), Deby_18 (K1), Devera_18 (K1), Dole_18 (K1), DrHayes_18 (K1), Durfee_18 (K1), Emerson_18 (K1), Enkosi_14 (K1), Ganymede_19 (K1), Geraldini_18 (K1), HedwigODU_18 (K1), Homura_18 (K1), Hyperbowlee_18 (K1), Illumine_18 (K1), Inky_18 (K1), JAWS_18 (K1), Jarvi_18 (K1), Jayhawk_18 (K1), Jeckyll_18 (K1), Joy99_18 (K1), Kheparia_20 (K1), KiSi_17 (K1), Krueger_17 (K6), LeMond_17 (K1), LilPharaoh_14 (K1), LindNT_18 (K1), Llorens_18 (K1), Lokum_18 (K1), Lunahalos_18 (K1), MacKat_18 (K1), MarkPhew_18 (K1), Mdavu_14 (K1), MeaningOfLife_18 (K1), Megsy_18 (K1), Mynx_18 (K1), Nibb_17 (K1), Nikao_14 (K1), Nutello_14 (K1), Oscar_17 (K1),

Padfoot_18 (K1), Padpat_18 (K1), Peel_18 (K1), PhelpsODU_17 (K6), Phrank_17 (K6), Piatt_18 (K1), Pisa1_17 (K1), Pisa4_17 (K1), Pokerus_17 (K1), Prithvi_18 (K1), QuincyRose_17 (K1), Ramen_18 (K1), Rapunzel97_18 (K1), Rosmarinus_18 (K1), SamuelLPlaqson_18 (K1), Scarlett_17 (K1), SgtBeansprout_14 (K1), Shadow1_16 (K6), ShiaSurprise_18 (K1), SirPhilip_17 (K6), Slimphazie_18 (K1), Spock_18 (K1), Sulley_18 (K1), Sunflower1121_16 (K6), Syra333_17 (K6), TClif_17 (K6), Tachez_18 (K1), TaiwanKao_19 (K1), Teejan_14 (K1), Tierra_17 (K6), Tigress9_17 (K6), TiniBug_18 (K1), Tiri_18 (K1), Topper_18 (K1), Torres_14 (K1), TreyKay_18 (K1), Trice_14 (K1), TruffulaTree_18 (K1), Twitch_18 (K1), Unicorn_17 (K6), Urkel_18 (K1), Veliki_18 (K1), Ximenita_18 (K6), YoureAdopted_17 (K1), Zabiza_18 (K1), Zavala_18 (K1),

Start 19:
• Found in 5 of 339 (1.5%) of genes in pham
• Manual Annotations of this start: 5 of 309
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ageofdapage_18 (K1), Anaya_19 (K1), LaterM_18 (K1), Murucutumbu_18 (K1), Stinson_18 (K1),

Start 20:
• Found in 7 of 339 (2.1%) of genes in pham
• Manual Annotations of this start: 7 of 309
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hurricane_17 (K3), Keshu_17 (K3), Lea83_17 (K3), MacnCheese_18 (K3), Pixie_17 (K3), ShedlockHolmes_17 (K3), TBond007_17 (K3),

Start 21:
• Found in 181 of 339 (53.4%) of genes in pham
• Manual Annotations of this start: 162 of 309
• Called 99.4% of time when present
• Phage (with cluster) where this start called: 8UZL_15 (AB), Agent47_16 (K5), AizenPogi_13 (G1), AlleyCat_16 (K5), Aminay_16 (K7), Amohnition_17 (K6), Angel_13 (G1), Annihilator_13 (G1), Antsirabe_13 (G5), Applecrisp_16 (K6), Aroostook_13 (G1), Avocado_13 (G2), Avrafan_13 (G1), AzulaCat_13 (G1), BPs_13 (G1), BQuat_13 (G1), BananenDer11_16 (K5), Barkley26_13 (G1), Bobquesha_19 (K4), Boilgate_15 (K8), BruceB_13 (G1), CLED96_13 (G1), Cambiare_14 (G2), Camri_13 (G1), CassieYates_13 (G1), Cedasite_13 (G1), Chance64_13 (G1), Chancellor_19 (K4), Chavito_18 (K1), Cheetobro_19 (K4), Cherrybomb426_13 (G1), Cloudyecho_13 (G3), Coleslaw_13 (G1), Collard_16 (K5), Crespo_13 (G1), Curiosium_19 (K1), DMoney_13 (G1), DNAIII_0013 (G1), Dadosky_16 (K5), DanSyl44_19 (K4), Darionha_13 (G1), DarthP_17 (K6), Dartin_18 (K1), DingDing_13 (G1), DoubleChamp_16 (K5), ECartman_13 (G1), Edugator_15 (K5), Efra2_18 (K1), Ekdilam_15 (K6), Ellie_15 (K6), Eponine_19 (K4), FF47_15 (AB), Fefferhead_17 (K6), Feyre_16 (K5), Fionnbharth_19 (K4), FlagStaff_13 (G2), ForeverHowLong_13 (G1), Frosty24_13 (G1), Gengar_16 (K5), Gideon_13 (G1), GodSpeed_13 (G2), GoldenAsh_13 (G1), Gomashi_13 (G1), Grizzly_13 (G1), Guanica15_18 (K1), Guillsminger_16 (K5), Halo_13 (G1), Hammy_17 (K6), Heftyboy_16 (K5), Hope_13 (G1), Hotshotbaby7_13 (G1), InvictusManeo_16 (K5), JF1_19 (K4), JacoRen57_12 (AB), Jane_13 (G1), Jeilious_13 (G), Jolene_13 (G1), Jolie2_13 (G4), Jonghyun_13 (G1), JorRay_13 (G1), Juliette_19 (K4), Kareem_13 (G1), Kasen3_13 (G1), Kratio_15 (K5), Kraw_19 (K4), Larva_16 (K5), LastHope_18 (K1), Lavahound_16 (K6), Lebo14_19 (K4), Lemuria_13 (G4), Leston_16 (K5), Liefie_13 (G1), LilDirt_15 (K5),

LongHai_16 (AB), LouisV14_13 (G1), MOOREtheMARYer_13 (G3), MZKinsey_13 (G1), Maco6_13 (AB), Maliketh_13 (G1), Malthus_19 (K4), Marmie_13 (G1), Marshawn_19 (K6), McMater_18 (K1), Mercurio_14 (G4), Miryou_16 (K5), MissDaisy_19 (K4), Mitti_19 (K4), Mowgli_13 (G1), Muddy_15 (AB), Neighly_16 (K3), Neoh_13 (G), Niklas_18 (K1), NoShow_13 (AB), Nolwazi_19 (K4), November_16 (K6), OctaviousRex_13 (G1), OkiRoe_16 (K5), Olga_13 (G1), OmniCritical_19 (K4), Omnicron_16 (K5), Pace1224_13 (G2), Paito_13 (G1), Paola_16 (K5), Patt_19 (K4), Peanam_18 (K1), Peeb_13 (G1), Periodt_13 (G1), Pharb_17 (K3), Phish_13 (G1), Phloodle_13 (G1), Phreak_13 (G1), PinkYoshi_13 (G1), Pinnie_14 (G3), Plagueis_13 (G1), Primanti_13 (G1), Psycho_16 (K5), Qhanda_19 (K4), Rabbs_13 (G1), Rando14_16 (K5), Rattrick_13 (G1), Remy19_13 (G1), Renaissance_13 (G1), Reptar3000_19 (K4), Richarlison_13 (G1), Richo_18 (K1), Ruriko_13 (G1), Ruthiejr_18 (K4), Salvus_16 (AB), SamScheppers_17 (K4), Schiebel_13 (G1), ShaboiShabazz_13 (G1), Shaobing_18 (K1), Sizemore_13 (G1), Slarp_19 (K4), Sneeze_13 (G1), SoSeph_16 (K5), Stargaze_13 (G5), Sweets_13 (G1), Taheera_13 (G1), Taquito_17 (K4), Terralys_13 (G1), Terror_13 (G1), Thyatira_16 (K5), TinaBug_13 (G1), TingHuaYa_18 (K1), TomBrady_13 (G1), TribleTrouble_16 (K3), Validus_18 (K1), ViviJ_15 (K5), Waterfoul_16 (K5), Wendigo_13 (G1), Wintermute_19 (K4), Y10_19 (K4), Y2_19 (K4), YangYin_13 (G5), YasnayaPolyana_19 (K4), Yuna_18 (K6), Yunkel11_18 (K1), ZoMa_13 (G1), Zombie_13 (G1),

Start 28:
• Found in 5 of 339 (1.5%) of genes in pham
• Manual Annotations of this start: 4 of 309
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Elfy_11 (FP), GrimEater_12 (FP), Jankie_12 (FP), Shambre1_14 (singleton),

Start 29:
• Found in 1 of 339 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 309
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CallinAllBarbz_12 (FP),

Start 30:
• Found in 8 of 339 (2.4%) of genes in pham
• Manual Annotations of this start: 7 of 309
• Called 87.5% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_19 (Y), BaileyBlu_12 (FP), Bipper_19 (Y), Cracklewink_19 (Y), Faiyaz_19 (Y), LisoBros_12 (FP), Typha_19 (Y),

Start 31:
• Found in 2 of 339 (0.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PFR1_10 (BX), PFR2_10 (BX),

Start 32:
• Found in 3 of 339 (0.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Neroxid_13 (FQ2), Raya_13 (FQ2), Skyerus_13 (FQ2),

Summary by clusters:

There are 20 clusters represented in this pham: FP, G5, AB, G3, G1, G, singleton, K3, K2, K1, G4, K7, K6, K5, K4, Y, K8, BX, FQ2, G2,

Info for manual annotations of cluster AB:
•Start number 21 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster FP:
•Start number 28 was manually annotated 3 times for cluster FP.
•Start number 29 was manually annotated 1 time for cluster FP.
•Start number 30 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster G:
•Start number 21 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 21 was manually annotated 70 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 21 was manually annotated 4 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 21 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 21 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 21 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster K1:
•Start number 18 was manually annotated 96 times for cluster K1.
•Start number 19 was manually annotated 5 times for cluster K1.
•Start number 21 was manually annotated 12 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 16 was manually annotated 3 times for cluster K2.
•Start number 17 was manually annotated 8 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 20 was manually annotated 7 times for cluster K3.
•Start number 21 was manually annotated 2 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 21 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

•Start number 21 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 6 was manually annotated 1 time for cluster K6.
•Start number 18 was manually annotated 14 times for cluster K6.
•Start number 21 was manually annotated 11 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 21 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 21 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster Y:
•Start number 13 was manually annotated 1 time for cluster Y.
•Start number 30 was manually annotated 5 times for cluster Y.

Gene Information:

Gene: 8UZL_15 Start: 9344, Stop: 9985, Start Num: 21
Candidate Starts for 8UZL_15:
(12, 9311), (Start: 21 @9344 has 162 MA's), (33, 9377), (34, 9386), (36, 9404), (45, 9470), (51, 9509), (52, 9524), (65, 9629), (69, 9650), (71, 9680), (77, 9719), (88, 9764), (101, 9848), (105, 9869),

Gene: ActinUp_18 Start: 10504, Stop: 11118, Start Num: 18
Candidate Starts for ActinUp_18:
(Start: 18 @10504 has 110 MA's), (34, 10549), (51, 10672), (57, 10726), (63, 10783), (67, 10798), (77, 10882), (79, 10888), (88, 10927), (90, 10939), (94, 10966), (101, 11011), (103, 11026), (110, 11050), (119, 11107),

Gene: Adephagia_18 Start: 10504, Stop: 11118, Start Num: 18
Candidate Starts for Adephagia_18:
(Start: 18 @10504 has 110 MA's), (34, 10549), (51, 10672), (57, 10726), (63, 10783), (67, 10798), (77, 10882), (79, 10888), (88, 10927), (90, 10939), (94, 10966), (101, 11011), (103, 11026), (110, 11050), (119, 11107),

Gene: Adonis_18 Start: 10513, Stop: 11127, Start Num: 18
Candidate Starts for Adonis_18:
(Start: 18 @10513 has 110 MA's), (34, 10558), (51, 10681), (57, 10735), (63, 10792), (67, 10807), (77, 10891), (79, 10897), (88, 10936), (90, 10948), (94, 10975), (101, 11020), (103, 11035), (110, 11059),

Gene: Agent47_16 Start: 10624, Stop: 11235, Start Num: 21
Candidate Starts for Agent47_16:
(Start: 21 @10624 has 162 MA's), (34, 10669), (57, 10846), (63, 10903), (67, 10918), (69, 10933), (77, 11002), (79, 11008), (88, 11047), (92, 11074), (101, 11131), (103, 11146), (110, 11170), (114, 11200),

Gene: Ageofdapage_18 Start: 10435, Stop: 11046, Start Num: 19
Candidate Starts for Ageofdapage_18:
(Start: 19 @10435 has 5 MA's), (34, 10477), (51, 10600), (57, 10654), (63, 10711), (67, 10726), (71, 10771), (77, 10810), (79, 10816), (88, 10855), (90, 10867), (94, 10894), (101, 10939), (103, 10954), (110, 10978),

Gene: AizenPogi_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for AizenPogi_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: AlishaPH_18 Start: 10503, Stop: 11114, Start Num: 18
Candidate Starts for AlishaPH_18:
(Start: 18 @10503 has 110 MA's), (34, 10545), (57, 10722), (63, 10779), (67, 10794), (77, 10878), (79, 10884), (88, 10923), (90, 10935), (94, 10962), (101, 11007), (103, 11022), (110, 11046), (119, 11103),

Gene: AlleyCat_16 Start: 10500, Stop: 11111, Start Num: 21
Candidate Starts for AlleyCat_16:
(Start: 21 @10500 has 162 MA's), (34, 10545), (63, 10779), (67, 10794), (69, 10809), (77, 10878), (79, 10884), (88, 10923), (90, 10935), (92, 10950), (101, 11007), (103, 11022), (110, 11046), (114, 11076),

Gene: Amelie_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for Amelie_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: Amgine_16 Start: 10111, Stop: 10827, Start Num: 6
Candidate Starts for Amgine_16:
(2, 9946), (Start: 6 @10111 has 1 MA's), (9, 10174), (11, 10183), (Start: 21 @10216 has 162 MA's), (34, 10258), (51, 10381), (53, 10402), (57, 10435), (63, 10492), (67, 10507), (77, 10591), (79, 10597), (88, 10636), (90, 10648), (94, 10675), (103, 10735), (110, 10759),

Gene: Aminay_16 Start: 10358, Stop: 10966, Start Num: 21
Candidate Starts for Aminay_16:
(Start: 21 @10358 has 162 MA's), (40, 10433), (44, 10481), (52, 10538), (53, 10544), (63, 10634), (69, 10664), (71, 10694), (73, 10706), (77, 10733), (79, 10739), (92, 10805), (101, 10862), (103, 10877), (110, 10901),

Gene: Amohnition_17 Start: 10531, Stop: 11145, Start Num: 21
Candidate Starts for Amohnition_17:
(Start: 21 @10531 has 162 MA's), (26, 10552), (27, 10555), (34, 10576), (53, 10720), (57, 10753), (63, 10810), (67, 10825), (77, 10909), (79, 10915), (88, 10954), (90, 10966), (94, 10993), (103, 11053), (110, 11077), (114, 11107),

Gene: Anaya_19 Start: 10513, Stop: 11124, Start Num: 19
Candidate Starts for Anaya_19:
(Start: 19 @10513 has 5 MA's), (34, 10555), (51, 10678), (63, 10789), (67, 10804), (71, 10849), (77, 10888), (79, 10894), (88, 10933), (101, 11017), (103, 11032), (110, 11056),

Gene: Angel_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Angel_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Angelica_18 Start: 10475, Stop: 11089, Start Num: 18

Candidate Starts for Angelica_18:
(Start: 18 @10475 has 110 MA's), (34, 10520), (51, 10643), (57, 10697), (63, 10754), (67, 10769), (77, 10853), (79, 10859), (88, 10898), (90, 10910), (94, 10937), (101, 10982), (103, 10997), (110, 11021), (119, 11078),

Gene: Anma_18 Start: 10446, Stop: 11060, Start Num: 18
Candidate Starts for Anma_18:
(Start: 18 @10446 has 110 MA's), (25, 10464), (34, 10491), (57, 10668), (63, 10725), (67, 10740), (69, 10755), (71, 10785), (77, 10824), (79, 10830), (88, 10869), (90, 10881), (94, 10908), (101, 10953), (103, 10968), (110, 10992),

Gene: Annihilator_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Annihilator_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Antsirabe_13 Start: 10190, Stop: 10810, Start Num: 21
Candidate Starts for Antsirabe_13:
(Start: 21 @10190 has 162 MA's), (25, 10214), (37, 10265), (44, 10322), (51, 10364), (52, 10379), (63, 10475), (67, 10490), (70, 10514), (71, 10535), (77, 10574), (82, 10598), (92, 10646), (95, 10670), (96, 10676), (103, 10718), (110, 10742), (114, 10772),

Gene: Apocalypse_18 Start: 10479, Stop: 11093, Start Num: 18
Candidate Starts for Apocalypse_18:
(Start: 18 @10479 has 110 MA's), (34, 10524), (51, 10647), (57, 10701), (63, 10758), (67, 10773), (77, 10857), (79, 10863), (88, 10902), (90, 10914), (94, 10941), (101, 10986), (103, 11001), (110, 11025), (119, 11082),

Gene: Applecrisp_16 Start: 10618, Stop: 11232, Start Num: 21
Candidate Starts for Applecrisp_16:
(Start: 6 @10513 has 1 MA's), (9, 10576), (11, 10585), (Start: 21 @10618 has 162 MA's), (27, 10642), (34, 10663), (51, 10786), (53, 10807), (57, 10840), (63, 10897), (67, 10912), (77, 10996), (79, 11002), (88, 11041), (90, 11053), (94, 11080), (103, 11140), (110, 11164),

Gene: Aroostook_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Aroostook_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Asayake_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Asayake_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Atiba_18 Start: 10467, Stop: 11081, Start Num: 18
Candidate Starts for Atiba_18:
(Start: 18 @10467 has 110 MA's), (34, 10512), (51, 10635), (57, 10689), (63, 10746), (67, 10761), (77, 10845), (79, 10851), (88, 10890), (90, 10902), (94, 10929), (101, 10974), (103, 10989), (110, 11013),

Gene: AuntGwenStacy_19 Start: 12547, Stop: 13128, Start Num: 30

Candidate Starts for AuntGwenStacy_19:
(Start: 13 @12487 has 1 MA's), (23, 12517), (Start: 30 @12547 has 7 MA's), (39, 12592), (59, 12763), (68, 12814), (69, 12826), (71, 12856), (88, 12940), (93, 12970), (101, 13024), (116, 13117),

Gene: Avocado_13 Start: 10012, Stop: 10632, Start Num: 21
Candidate Starts for Avocado_13:
(Start: 21 @10012 has 162 MA's), (37, 10087), (44, 10144), (51, 10186), (52, 10201), (63, 10297), (67, 10312), (70, 10336), (71, 10357), (77, 10396), (82, 10420), (88, 10441), (92, 10468), (96, 10498), (103, 10540), (110, 10564),

Gene: Avrafan_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Avrafan_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: AzulaCat_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for AzulaCat_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: BEEST_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for BEEST_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: BGlluviae_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for BGlluviae_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: BPs_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for BPs_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: BQuat_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for BQuat_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: BaghaKamala_18 Start: 10470, Stop: 11084, Start Num: 18
Candidate Starts for BaghaKamala_18:
(Start: 18 @10470 has 110 MA's), (34, 10515), (51, 10638), (57, 10692), (63, 10749), (67, 10764), (77, 10848), (79, 10854), (88, 10893), (90, 10905), (94, 10932), (101, 10977), (103, 10992), (110, 11016), (119, 11073),

Gene: BaileyBlu_12 Start: 7191, Stop: 7754, Start Num: 30

Candidate Starts for BaileyBlu_12:
(Start: 30 @7191 has 7 MA's), (39, 7236), (41, 7248), (46, 7293), (58, 7398), (62, 7434), (72, 7500), (81, 7539), (88, 7566), (91, 7590), (95, 7617), (102, 7662),

Gene: BananenDer11_16 Start: 10585, Stop: 11196, Start Num: 21
Candidate Starts for BananenDer11_16:
(Start: 21 @10585 has 162 MA's), (34, 10630), (57, 10807), (63, 10864), (67, 10879), (69, 10894), (77, 10963), (79, 10969), (88, 11008), (92, 11035), (101, 11092), (103, 11107), (110, 11131), (114, 11161),

Gene: Barkley26_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Barkley26_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (69, 10163), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: BarrelRoll_18 Start: 10496, Stop: 11107, Start Num: 18
Candidate Starts for BarrelRoll_18:
(Start: 18 @10496 has 110 MA's), (34, 10538), (51, 10661), (57, 10715), (63, 10772), (67, 10787), (77, 10871), (79, 10877), (88, 10916), (90, 10928), (94, 10955), (101, 11000), (103, 11015), (110, 11039), (119, 11096),

Gene: Beezoo_18 Start: 10524, Stop: 11135, Start Num: 18
Candidate Starts for Beezoo_18:
(Start: 18 @10524 has 110 MA's), (34, 10566), (51, 10689), (57, 10743), (63, 10800), (67, 10815), (77, 10899), (79, 10905), (88, 10944), (90, 10956), (94, 10983), (101, 11028), (103, 11043), (110, 11067),

Gene: Bella96_18 Start: 10425, Stop: 11039, Start Num: 18
Candidate Starts for Bella96_18:
(Start: 18 @10425 has 110 MA's), (34, 10470), (57, 10647), (63, 10704), (67, 10719), (69, 10734), (71, 10764), (77, 10803), (79, 10809), (88, 10848), (90, 10860), (94, 10887), (101, 10932), (103, 10947), (110, 10971),

Gene: Belladonna_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Belladonna_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Bern_18 Start: 10456, Stop: 11070, Start Num: 18
Candidate Starts for Bern_18:
(Start: 18 @10456 has 110 MA's), (34, 10501), (51, 10624), (57, 10678), (63, 10735), (67, 10750), (71, 10795), (77, 10834), (79, 10840), (88, 10879), (90, 10891), (94, 10918), (101, 10963), (103, 10978), (110, 11002),

Gene: Biglebops_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for Biglebops_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: Bipper_19 Start: 12607, Stop: 13194, Start Num: 30
Candidate Starts for Bipper_19:

(15, 12580), (Start: 30 @12607 has 7 MA's), (35, 12631), (39, 12652), (41, 12664), (58, 12817), (59, 12823), (67, 12871), (68, 12874), (69, 12886), (71, 12916), (86, 12994), (88, 13000), (93, 13030), (98, 13066), (101, 13084), (108, 13117), (115, 13174), (116, 13177), (118, 13180),

Gene: Blizzard_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Blizzard_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Bobquesha_19 Start: 11469, Stop: 12080, Start Num: 21
Candidate Starts for Bobquesha_19:
(Start: 21 @11469 has 162 MA's), (38, 11535), (40, 11541), (41, 11550), (44, 11589), (52, 11646), (53, 11652), (56, 11673), (57, 11685), (63, 11742), (67, 11757), (77, 11841), (79, 11847), (87, 11883), (88, 11886), (90, 11898), (92, 11913), (101, 11970), (103, 11985), (110, 12009), (114, 12039),

Gene: Boiiii_18 Start: 10546, Stop: 11157, Start Num: 18
Candidate Starts for Boiiii_18:
(Start: 18 @10546 has 110 MA's), (34, 10588), (51, 10711), (57, 10765), (63, 10822), (67, 10837), (77, 10921), (79, 10927), (88, 10966), (90, 10978), (94, 11005), (101, 11050), (103, 11065), (110, 11089), (119, 11146),

Gene: Boilgate_15 Start: 10475, Stop: 11086, Start Num: 21
Candidate Starts for Boilgate_15:
(10, 10436), (Start: 21 @10475 has 162 MA's), (38, 10541), (53, 10658), (56, 10679), (57, 10691), (63, 10748), (67, 10763), (69, 10778), (71, 10808), (77, 10847), (88, 10892), (90, 10904), (92, 10919), (101, 10976), (103, 10991), (110, 11015), (111, 11018),

Gene: BoostSeason_14 Start: 8528, Stop: 9151, Start Num: 16
Candidate Starts for BoostSeason_14:
(7, 8462), (Start: 16 @8528 has 3 MA's), (33, 8576), (34, 8585), (52, 8723), (63, 8819), (67, 8834), (69, 8849), (71, 8879), (77, 8918), (79, 8924), (80, 8927), (88, 8963), (90, 8975), (92, 8990), (101, 9047), (103, 9062), (110, 9086),

Gene: BruceB_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for BruceB_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Bryler_17 Start: 9523, Stop: 10137, Start Num: 18
Candidate Starts for Bryler_17:
(Start: 18 @9523 has 110 MA's), (24, 9535), (34, 9568), (57, 9745), (63, 9802), (67, 9817), (69, 9832), (71, 9862), (77, 9901), (79, 9907), (94, 9985), (103, 10045), (111, 10072),

Gene: CLED96_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for CLED96_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: CREW_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for CREW_18:

(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Cain_17 Start: 9511, Stop: 10125, Start Num: 18
Candidate Starts for Cain_17:
(Start: 18 @9511 has 110 MA's), (24, 9523), (34, 9556), (57, 9733), (63, 9790), (67, 9805), (69, 9820), (71, 9850), (77, 9889), (79, 9895), (94, 9973), (103, 10033), (111, 10060),

Gene: CallaLilly_18 Start: 10471, Stop: 11082, Start Num: 18
Candidate Starts for CallaLilly_18:
(Start: 18 @10471 has 110 MA's), (34, 10513), (51, 10636), (57, 10690), (63, 10747), (67, 10762), (77, 10846), (79, 10852), (88, 10891), (90, 10903), (94, 10930), (101, 10975), (103, 10990), (110, 11014),

Gene: CallinAllBarbz_12 Start: 7199, Stop: 7762, Start Num: 29
Candidate Starts for CallinAllBarbz_12:
(Start: 29 @7199 has 1 MA's), (39, 7244), (41, 7256), (46, 7301), (55, 7373), (62, 7442), (81, 7547), (88, 7574), (91, 7598), (102, 7670),

Gene: Cambiare_14 Start: 10474, Stop: 11094, Start Num: 21
Candidate Starts for Cambiare_14:
(Start: 21 @10474 has 162 MA's), (37, 10549), (44, 10606), (51, 10648), (52, 10663), (63, 10759), (67, 10774), (70, 10798), (71, 10819), (77, 10858), (82, 10882), (88, 10903), (92, 10930), (96, 10960), (103, 11002), (110, 11026), (114, 11056),

Gene: Camri_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Camri_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Capricorn_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Capricorn_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: CaseJules_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for CaseJules_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: CassieYates_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for CassieYates_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Cedasite_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Cedasite_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96,

10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Chance64_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Chance64_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Chancellor_19 Start: 11727, Stop: 12338, Start Num: 21
Candidate Starts for Chancellor_19:
(Start: 21 @11727 has 162 MA's), (38, 11793), (40, 11799), (44, 11847), (52, 11904), (53, 11910), (56, 11931), (57, 11943), (63, 12000), (67, 12015), (77, 12099), (79, 12105), (88, 12144), (90, 12156), (92, 12171), (101, 12228), (103, 12243), (110, 12267), (114, 12297),

Gene: Chavito_18 Start: 9579, Stop: 10190, Start Num: 21
Candidate Starts for Chavito_18:
(Start: 21 @9579 has 162 MA's), (34, 9621), (44, 9702), (52, 9759), (57, 9798), (63, 9855), (67, 9870), (71, 9915), (77, 9954), (79, 9960), (80, 9963), (90, 10011), (92, 10026), (101, 10083),

Gene: CheetoDust_18 Start: 10521, Stop: 11132, Start Num: 18
Candidate Starts for CheetoDust_18:
(Start: 18 @10521 has 110 MA's), (34, 10563), (51, 10686), (57, 10740), (63, 10797), (67, 10812), (76, 10881), (77, 10896), (79, 10902), (88, 10941), (94, 10980), (101, 11025), (103, 11040), (110, 11064), (119, 11121),

Gene: Cheetobro_19 Start: 11727, Stop: 12338, Start Num: 21
Candidate Starts for Cheetobro_19:
(Start: 21 @11727 has 162 MA's), (38, 11793), (40, 11799), (44, 11847), (52, 11904), (53, 11910), (56, 11931), (57, 11943), (63, 12000), (67, 12015), (77, 12099), (79, 12105), (88, 12144), (90, 12156), (92, 12171), (101, 12228), (103, 12243), (110, 12267), (114, 12297),

Gene: Cherrybomb426_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Cherrybomb426_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Chris_17 Start: 9487, Stop: 10098, Start Num: 18
Candidate Starts for Chris_17:
(Start: 18 @9487 has 110 MA's), (34, 9529), (57, 9706), (63, 9763), (67, 9778), (71, 9823), (77, 9862), (79, 9868), (96, 9964), (103, 10006), (110, 10030), (114, 10060), (115, 10081),

Gene: Clipper_18 Start: 10521, Stop: 11132, Start Num: 18
Candidate Starts for Clipper_18:
(Start: 18 @10521 has 110 MA's), (34, 10563), (51, 10686), (57, 10740), (63, 10797), (67, 10812), (77, 10896), (79, 10902), (88, 10941), (94, 10980), (101, 11025), (103, 11040), (110, 11064), (119, 11121),

Gene: Cloudyecho_13 Start: 10076, Stop: 10699, Start Num: 21
Candidate Starts for Cloudyecho_13:
(Start: 21 @10076 has 162 MA's), (37, 10154), (44, 10211), (51, 10253), (52, 10268), (63, 10364), (67, 10379), (70, 10403), (71, 10424), (77, 10463), (82, 10487), (92, 10535), (96, 10565), (103, 10607),

Gene: Coleslaw_13 Start: 9854, Stop: 10468, Start Num: 21

Candidate Starts for Coleslaw_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Collard_16 Start: 10585, Stop: 11196, Start Num: 21
Candidate Starts for Collard_16:
(Start: 21 @10585 has 162 MA's), (34, 10630), (57, 10807), (63, 10864), (67, 10879), (69, 10894), (77, 10963), (79, 10969), (88, 11008), (92, 11035), (101, 11092), (103, 11107), (110, 11131), (114, 11161),

Gene: Cracklewink_19 Start: 12607, Stop: 13194, Start Num: 30
Candidate Starts for Cracklewink_19:
(15, 12580), (Start: 30 @12607 has 7 MA's), (35, 12631), (39, 12652), (41, 12664), (58, 12817), (59, 12823), (67, 12871), (68, 12874), (69, 12886), (71, 12916), (88, 13000), (93, 13030), (98, 13066), (101, 13084), (108, 13117), (115, 13174), (116, 13177), (118, 13180),

Gene: Crespo_13 Start: 9855, Stop: 10469, Start Num: 21
Candidate Starts for Crespo_13:
(Start: 21 @9855 has 162 MA's), (34, 9900), (37, 9924), (48, 10002), (51, 10023), (52, 10038), (63, 10134), (67, 10149), (70, 10173), (71, 10194), (77, 10233), (82, 10257), (85, 10266), (88, 10278), (96, 10335), (101, 10362), (103, 10377), (110, 10401),

Gene: CrimD_18 Start: 10473, Stop: 11087, Start Num: 18
Candidate Starts for CrimD_18:
(Start: 18 @10473 has 110 MA's), (34, 10518), (51, 10641), (57, 10695), (63, 10752), (67, 10767), (77, 10851), (79, 10857), (88, 10896), (90, 10908), (94, 10935), (101, 10980), (103, 10995), (110, 11019), (119, 11076),

Gene: Curiosium_19 Start: 9949, Stop: 10563, Start Num: 21
Candidate Starts for Curiosium_19:
(Start: 21 @9949 has 162 MA's), (34, 9994), (52, 10132), (57, 10171), (63, 10228), (69, 10258), (71, 10288), (77, 10327), (80, 10336), (88, 10372), (101, 10456), (110, 10495), (114, 10525), (115, 10546),

Gene: DMoney_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for DMoney_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: DNAIII_0013 Start: 9863, Stop: 10477, Start Num: 21
Candidate Starts for DNAIII_0013:
(Start: 21 @9863 has 162 MA's), (34, 9908), (37, 9932), (48, 10010), (51, 10031), (52, 10046), (63, 10142), (67, 10157), (70, 10181), (71, 10202), (77, 10241), (82, 10265), (85, 10274), (88, 10286), (96, 10343), (101, 10370), (103, 10385), (110, 10409),

Gene: Dadosky_16 Start: 10501, Stop: 11112, Start Num: 21
Candidate Starts for Dadosky_16:
(Start: 21 @10501 has 162 MA's), (34, 10546), (63, 10780), (67, 10795), (69, 10810), (77, 10879), (79, 10885), (88, 10924), (90, 10936), (92, 10951), (101, 11008), (103, 11023), (110, 11047), (114, 11077),

Gene: Dalmuri_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Dalmuri_18:

(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: DanSyl44_19 Start: 11730, Stop: 12341, Start Num: 21
Candidate Starts for DanSyl44_19:
(Start: 21 @11730 has 162 MA's), (38, 11796), (40, 11802), (44, 11850), (52, 11907), (53, 11913), (56, 11934), (57, 11946), (63, 12003), (67, 12018), (77, 12102), (79, 12108), (88, 12147), (90, 12159), (92, 12174), (101, 12231), (103, 12246), (110, 12270), (114, 12300),

Gene: Darionha_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Darionha_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: DartGoblin_18 Start: 10425, Stop: 11039, Start Num: 18
Candidate Starts for DartGoblin_18:
(Start: 18 @10425 has 110 MA's), (34, 10470), (57, 10647), (63, 10704), (67, 10719), (69, 10734), (71, 10764), (77, 10803), (79, 10809), (88, 10848), (94, 10887), (101, 10932), (103, 10947), (110, 10971),

Gene: DarthP_17 Start: 10531, Stop: 11145, Start Num: 21
Candidate Starts for DarthP_17:
(Start: 21 @10531 has 162 MA's), (27, 10555), (34, 10576), (53, 10720), (57, 10753), (63, 10810), (67, 10825), (77, 10909), (79, 10915), (88, 10954), (90, 10966), (94, 10993), (103, 11053), (110, 11077), (114, 11107),

Gene: Dartin_18 Start: 9573, Stop: 10184, Start Num: 21
Candidate Starts for Dartin_18:
(Start: 21 @9573 has 162 MA's), (34, 9615), (52, 9753), (57, 9792), (63, 9849), (67, 9864), (71, 9909), (77, 9948), (79, 9954), (80, 9957), (90, 10005), (92, 10020), (101, 10077),

Gene: Deby_18 Start: 10475, Stop: 11089, Start Num: 18
Candidate Starts for Deby_18:
(Start: 18 @10475 has 110 MA's), (34, 10520), (51, 10643), (57, 10697), (63, 10754), (67, 10769), (77, 10853), (79, 10859), (88, 10898), (90, 10910), (94, 10937), (101, 10982), (103, 10997), (110, 11021), (119, 11078),

Gene: Devera_18 Start: 10492, Stop: 11106, Start Num: 18
Candidate Starts for Devera_18:
(Start: 18 @10492 has 110 MA's), (34, 10537), (51, 10660), (57, 10714), (63, 10771), (67, 10786), (71, 10831), (77, 10870), (79, 10876), (88, 10915), (90, 10927), (94, 10954), (101, 10999), (103, 11014), (110, 11038),

Gene: DingDing_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for DingDing_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: DismalFunk_14 Start: 8532, Stop: 9146, Start Num: 17
Candidate Starts for DismalFunk_14:

(Start: 17 @8532 has 8 MA's), (33, 8571), (34, 8580), (63, 8814), (67, 8829), (69, 8844), (71, 8874), (77, 8913), (79, 8919), (87, 8955), (90, 8970), (94, 8997), (101, 9042), (103, 9057), (110, 9081),

Gene: DismalStressor_14 Start: 8532, Stop: 9146, Start Num: 17
Candidate Starts for DismalStressor_14:
(Start: 17 @8532 has 8 MA's), (33, 8571), (34, 8580), (63, 8814), (67, 8829), (69, 8844), (71, 8874), (77, 8913), (79, 8919), (87, 8955), (90, 8970), (94, 8997), (101, 9042), (103, 9057), (110, 9081),

Gene: Dole_18 Start: 10494, Stop: 11108, Start Num: 18
Candidate Starts for Dole_18:
(Start: 18 @10494 has 110 MA's), (34, 10539), (51, 10662), (57, 10716), (63, 10773), (67, 10788), (71, 10833), (77, 10872), (79, 10878), (88, 10917), (90, 10929), (94, 10956), (101, 11001), (103, 11016), (110, 11040),

Gene: DoubleChamp_16 Start: 10585, Stop: 11196, Start Num: 21
Candidate Starts for DoubleChamp_16:
(Start: 21 @10585 has 162 MA's), (34, 10630), (57, 10807), (63, 10864), (67, 10879), (69, 10894), (77, 10963), (79, 10969), (88, 11008), (92, 11035), (101, 11092), (103, 11107), (110, 11131), (114, 11161),

Gene: Doughnut_14 Start: 8522, Stop: 9145, Start Num: 16
Candidate Starts for Doughnut_14:
(7, 8456), (Start: 16 @8522 has 3 MA's), (33, 8570), (34, 8579), (52, 8717), (63, 8813), (67, 8828), (69, 8843), (71, 8873), (77, 8912), (79, 8918), (80, 8921), (88, 8957), (90, 8969), (92, 8984), (101, 9041), (103, 9056), (110, 9080),

Gene: DrHayes_18 Start: 10446, Stop: 11060, Start Num: 18
Candidate Starts for DrHayes_18:
(Start: 18 @10446 has 110 MA's), (25, 10464), (34, 10491), (57, 10668), (63, 10725), (67, 10740), (69, 10755), (71, 10785), (77, 10824), (79, 10830), (88, 10869), (90, 10881), (94, 10908), (101, 10953), (103, 10968), (110, 10992),

Gene: Durfee_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Durfee_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: ECartman_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for ECartman_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Edugator_15 Start: 10501, Stop: 11112, Start Num: 21
Candidate Starts for Edugator_15:
(Start: 21 @10501 has 162 MA's), (34, 10546), (63, 10780), (67, 10795), (69, 10810), (77, 10879), (79, 10885), (88, 10924), (92, 10951), (101, 11008), (103, 11023), (110, 11047), (114, 11077),

Gene: Efra2_18 Start: 9439, Stop: 10053, Start Num: 21
Candidate Starts for Efra2_18:
(Start: 21 @9439 has 162 MA's), (52, 9622), (57, 9661), (63, 9718), (69, 9748), (71, 9778), (77, 9817), (79, 9823), (88, 9862), (90, 9874), (101, 9946), (110, 9985), (114, 10015), (115, 10036),

Gene: Ekdilam_15 Start: 10249, Stop: 10860, Start Num: 21
Candidate Starts for Ekdilam_15:
(Start: 21 @10249 has 162 MA's), (34, 10291), (53, 10435), (57, 10468), (63, 10525), (67, 10540), (77, 10624), (79, 10630), (88, 10669), (90, 10681), (103, 10768), (110, 10792), (114, 10822),

Gene: Elfy_11 Start: 7126, Stop: 7710, Start Num: 28
Candidate Starts for Elfy_11:
(Start: 28 @7126 has 4 MA's), (39, 7174), (47, 7234), (54, 7291), (55, 7303), (58, 7336), (60, 7351), (81, 7489), (88, 7516), (96, 7573), (102, 7612), (107, 7627), (108, 7633),

Gene: Ellie_15 Start: 10291, Stop: 10902, Start Num: 21
Candidate Starts for Ellie_15:
(Start: 6 @10186 has 1 MA's), (9, 10249), (11, 10258), (Start: 21 @10291 has 162 MA's), (34, 10333), (51, 10456), (53, 10477), (57, 10510), (63, 10567), (67, 10582), (77, 10666), (79, 10672), (88, 10711), (90, 10723), (94, 10750), (103, 10810), (110, 10834),

Gene: Emerson_18 Start: 10504, Stop: 11115, Start Num: 18
Candidate Starts for Emerson_18:
(Start: 18 @10504 has 110 MA's), (34, 10546), (57, 10723), (63, 10780), (67, 10795), (77, 10879), (79, 10885), (88, 10924), (90, 10936), (94, 10963), (101, 11008), (103, 11023), (110, 11047), (119, 11104),

Gene: Enkosi_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for Enkosi_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: Eponine_19 Start: 11592, Stop: 12203, Start Num: 21
Candidate Starts for Eponine_19:
(Start: 21 @11592 has 162 MA's), (38, 11658), (40, 11664), (44, 11712), (52, 11769), (53, 11775), (56, 11796), (57, 11808), (63, 11865), (67, 11880), (69, 11895), (77, 11964), (79, 11970), (92, 12036), (101, 12093), (103, 12108), (110, 12132), (114, 12162),

Gene: FF47_15 Start: 9310, Stop: 9951, Start Num: 21
Candidate Starts for FF47_15:
(Start: 21 @9310 has 162 MA's), (33, 9343), (34, 9352), (45, 9436), (51, 9475), (52, 9490), (65, 9595), (69, 9616), (70, 9625), (71, 9646), (77, 9685), (82, 9709), (98, 9796), (101, 9814), (102, 9826), (105, 9835),

Gene: Faiyaz_19 Start: 12547, Stop: 13128, Start Num: 30
Candidate Starts for Faiyaz_19:
(Start: 13 @12487 has 1 MA's), (23, 12517), (Start: 30 @12547 has 7 MA's), (39, 12592), (59, 12763), (68, 12814), (69, 12826), (71, 12856), (88, 12940), (93, 12970), (101, 13024), (116, 13117),

Gene: Fefferhead_17 Start: 10458, Stop: 11069, Start Num: 21
Candidate Starts for Fefferhead_17:
(Start: 6 @10353 has 1 MA's), (9, 10416), (11, 10425), (Start: 21 @10458 has 162 MA's), (34, 10500), (51, 10623), (53, 10644), (57, 10677), (63, 10734), (67, 10749), (77, 10833), (79, 10839), (88, 10878), (90, 10890), (94, 10917), (103, 10977), (110, 11001),

Gene: Feyre_16 Start: 10448, Stop: 11059, Start Num: 21
Candidate Starts for Feyre_16:

(Start: 21 @10448 has 162 MA's), (34, 10493), (41, 10535), (57, 10670), (63, 10727), (67, 10742), (69, 10757), (77, 10826), (79, 10832), (88, 10871), (90, 10883), (92, 10898), (98, 10937), (101, 10955), (103, 10970), (110, 10994), (114, 11024),

Gene: Findley_14 Start: 8532, Stop: 9146, Start Num: 17
Candidate Starts for Findley_14:
(Start: 17 @8532 has 8 MA's), (33, 8571), (34, 8580), (63, 8814), (67, 8829), (69, 8844), (71, 8874), (77, 8913), (79, 8919), (87, 8955), (90, 8970), (94, 8997), (101, 9042), (103, 9057), (110, 9081),

Gene: Fionnbharth_19 Start: 11717, Stop: 12328, Start Num: 21
Candidate Starts for Fionnbharth_19:
(Start: 21 @11717 has 162 MA's), (38, 11783), (40, 11789), (44, 11837), (52, 11894), (53, 11900), (56, 11921), (57, 11933), (63, 11990), (67, 12005), (77, 12089), (79, 12095), (88, 12134), (90, 12146), (92, 12161), (101, 12218), (103, 12233), (110, 12257), (114, 12287),

Gene: FlagStaff_13 Start: 9947, Stop: 10567, Start Num: 21
Candidate Starts for FlagStaff_13:
(Start: 21 @9947 has 162 MA's), (37, 10022), (44, 10079), (51, 10121), (52, 10136), (63, 10232), (67, 10247), (70, 10271), (77, 10331), (82, 10355), (92, 10403), (96, 10433), (103, 10475), (110, 10499), (114, 10529),

Gene: ForeverHowLong_13 Start: 9849, Stop: 10463, Start Num: 21
Candidate Starts for ForeverHowLong_13:
(Start: 21 @9849 has 162 MA's), (34, 9894), (37, 9918), (51, 10017), (52, 10032), (63, 10128), (67, 10143), (69, 10158), (70, 10167), (71, 10188), (77, 10227), (82, 10251), (85, 10260), (88, 10272), (96, 10329), (101, 10356), (103, 10371), (110, 10395),

Gene: Frosty24_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Frosty24_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Ganymede_19 Start: 10521, Stop: 11135, Start Num: 18
Candidate Starts for Ganymede_19:
(Start: 18 @10521 has 110 MA's), (34, 10566), (51, 10689), (57, 10743), (63, 10800), (67, 10815), (77, 10899), (79, 10905), (88, 10944), (90, 10956), (94, 10983), (101, 11028), (103, 11043), (110, 11067),

Gene: Gengar_16 Start: 10555, Stop: 11166, Start Num: 21
Candidate Starts for Gengar_16:
(Start: 21 @10555 has 162 MA's), (34, 10600), (57, 10777), (63, 10834), (67, 10849), (69, 10864), (77, 10933), (79, 10939), (88, 10978), (90, 10990), (92, 11005), (98, 11044), (101, 11062), (103, 11077), (110, 11101), (114, 11131),

Gene: Geraldini_18 Start: 10524, Stop: 11135, Start Num: 18
Candidate Starts for Geraldini_18:
(Start: 18 @10524 has 110 MA's), (34, 10566), (51, 10689), (57, 10743), (63, 10800), (67, 10815), (77, 10899), (79, 10905), (88, 10944), (90, 10956), (94, 10983), (101, 11028), (103, 11043), (110, 11067),

Gene: Gideon_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Gideon_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96,

10334), (101, 10361), (103, 10376), (110, 10400),

Gene: GodSpeed_13 Start: 9929, Stop: 10549, Start Num: 21
Candidate Starts for GodSpeed_13:
(1, 9530), (3, 9719), (4, 9803), (Start: 21 @9929 has 162 MA's), (37, 10004), (44, 10061), (51, 10103), (52, 10118), (63, 10214), (67, 10229), (70, 10253), (77, 10313), (82, 10337), (92, 10385), (94, 10397), (96, 10415), (103, 10457), (114, 10511),

Gene: GoldenAsh_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for GoldenAsh_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Gomashi_13 Start: 9855, Stop: 10469, Start Num: 21
Candidate Starts for Gomashi_13:
(Start: 21 @9855 has 162 MA's), (34, 9900), (37, 9924), (48, 10002), (51, 10023), (52, 10038), (63, 10134), (67, 10149), (70, 10173), (71, 10194), (77, 10233), (82, 10257), (85, 10266), (88, 10278), (96, 10335), (101, 10362), (103, 10377), (110, 10401),

Gene: GrimEater_12 Start: 7199, Stop: 7771, Start Num: 28
Candidate Starts for GrimEater_12:
(Start: 28 @7199 has 4 MA's), (39, 7247), (58, 7409), (81, 7550), (84, 7562), (96, 7634), (102, 7673),

Gene: Grizzly_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Grizzly_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (69, 10163), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Guanica15_18 Start: 9455, Stop: 10069, Start Num: 21
Candidate Starts for Guanica15_18:
(Start: 21 @9455 has 162 MA's), (52, 9638), (57, 9677), (63, 9734), (69, 9764), (71, 9794), (77, 9833), (79, 9839), (88, 9878), (90, 9890), (101, 9962), (110, 10001), (114, 10031), (115, 10052),

Gene: Guillsminger_16 Start: 10530, Stop: 11141, Start Num: 21
Candidate Starts for Guillsminger_16:
(Start: 21 @10530 has 162 MA's), (34, 10575), (57, 10752), (63, 10809), (67, 10824), (69, 10839), (77, 10908), (79, 10914), (88, 10953), (90, 10965), (92, 10980), (98, 11019), (101, 11037), (103, 11052), (110, 11076), (114, 11106),

Gene: Halo_13 Start: 9849, Stop: 10463, Start Num: 21
Candidate Starts for Halo_13:
(Start: 21 @9849 has 162 MA's), (34, 9894), (37, 9918), (51, 10017), (52, 10032), (63, 10128), (67, 10143), (69, 10158), (70, 10167), (71, 10188), (77, 10227), (82, 10251), (85, 10260), (88, 10272), (96, 10329), (101, 10356), (103, 10371), (110, 10395),

Gene: Hammy_17 Start: 10525, Stop: 11139, Start Num: 21
Candidate Starts for Hammy_17:
(Start: 21 @10525 has 162 MA's), (27, 10549), (34, 10570), (53, 10714), (57, 10747), (63, 10804), (67, 10819), (77, 10903), (79, 10909), (88, 10948), (90, 10960), (94, 10987), (103, 11047), (110, 11071), (114, 11101),

Gene: HedwigODU_18 Start: 10504, Stop: 11118, Start Num: 18
Candidate Starts for HedwigODU_18:
(Start: 18 @10504 has 110 MA's), (34, 10549), (51, 10672), (57, 10726), (63, 10783), (67, 10798), (77, 10882), (79, 10888), (88, 10927), (90, 10939), (94, 10966), (101, 11011), (103, 11026), (110, 11050), (119, 11107),

Gene: Heftyboy_16 Start: 10657, Stop: 11268, Start Num: 21
Candidate Starts for Heftyboy_16:
(Start: 21 @10657 has 162 MA's), (34, 10702), (57, 10879), (63, 10936), (67, 10951), (69, 10966), (77, 11035), (79, 11041), (88, 11080), (92, 11107), (98, 11146), (101, 11164), (103, 11179), (110, 11203), (114, 11233),

Gene: Hilltopfarm_19 Start: 12517, Stop: 13158, Start Num: 13
Candidate Starts for Hilltopfarm_19:
(Start: 13 @12517 has 1 MA's), (23, 12547), (Start: 30 @12577 has 7 MA's), (39, 12622), (59, 12793), (68, 12844), (69, 12856), (71, 12886), (88, 12970), (93, 13000), (101, 13054), (116, 13147),

Gene: Homura_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Homura_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Hope_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Hope_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Hotshotbaby7_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Hotshotbaby7_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Hurricane_17 Start: 10577, Stop: 11188, Start Num: 20
Candidate Starts for Hurricane_17:
(Start: 20 @10577 has 7 MA's), (34, 10622), (57, 10799), (63, 10856), (67, 10871), (71, 10916), (77, 10955), (79, 10961), (80, 10964), (88, 11000), (90, 11012), (92, 11027), (101, 11084), (103, 11099), (110, 11123),

Gene: Hyperbowlee_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Hyperbowlee_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Illumine_18 Start: 10494, Stop: 11108, Start Num: 18
Candidate Starts for Illumine_18:
(Start: 18 @10494 has 110 MA's), (34, 10539), (51, 10662), (57, 10716), (63, 10773), (67, 10788), (71, 10833), (77, 10872), (79, 10878), (88, 10917), (90, 10929), (94, 10956), (101, 11001), (103, 11016), (110, 11040),

Gene: Inky_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Inky_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: InvictusManeo_16 Start: 10628, Stop: 11239, Start Num: 21
Candidate Starts for InvictusManeo_16:
(Start: 21 @10628 has 162 MA's), (34, 10673), (57, 10850), (63, 10907), (67, 10922), (69, 10937), (77, 11006), (79, 11012), (88, 11051), (92, 11078), (101, 11135), (103, 11150), (110, 11174), (114, 11204),

Gene: JAWS_18 Start: 10498, Stop: 11109, Start Num: 18
Candidate Starts for JAWS_18:
(Start: 18 @10498 has 110 MA's), (34, 10540), (51, 10663), (57, 10717), (63, 10774), (67, 10789), (77, 10873), (79, 10879), (88, 10918), (90, 10930), (94, 10957), (101, 11002), (103, 11017), (110, 11041), (119, 11098),

Gene: JF1_19 Start: 11716, Stop: 12327, Start Num: 21
Candidate Starts for JF1_19:
(Start: 21 @11716 has 162 MA's), (38, 11782), (40, 11788), (44, 11836), (52, 11893), (53, 11899), (56, 11920), (57, 11932), (67, 12004), (77, 12088), (79, 12094), (88, 12133), (90, 12145), (92, 12160), (101, 12217), (103, 12232), (110, 12256), (114, 12286),

Gene: JacoRen57_12 Start: 8388, Stop: 9011, Start Num: 21
Candidate Starts for JacoRen57_12:
(Start: 21 @8388 has 162 MA's), (51, 8550), (58, 8622), (77, 8769), (82, 8793), (88, 8814), (110, 8937), (115, 8988),

Gene: Jane_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Jane_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Jankie_12 Start: 7198, Stop: 7770, Start Num: 28
Candidate Starts for Jankie_12:
(Start: 28 @7198 has 4 MA's), (39, 7246), (58, 7408), (81, 7549), (84, 7561), (96, 7633), (102, 7672),

Gene: Jarvi_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Jarvi_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Jayhawk_18 Start: 10505, Stop: 11119, Start Num: 18
Candidate Starts for Jayhawk_18:
(Start: 18 @10505 has 110 MA's), (34, 10550), (51, 10673), (57, 10727), (63, 10784), (67, 10799), (77, 10883), (79, 10889), (88, 10928), (90, 10940), (94, 10967), (101, 11012), (103, 11027), (110, 11051), (119, 11108),

Gene: Jeckyll_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Jeckyll_18:

(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Jeilious_13 Start: 9853, Stop: 10467, Start Num: 21
Candidate Starts for Jeilious_13:
(Start: 21 @9853 has 162 MA's), (34, 9898), (37, 9922), (48, 10000), (51, 10021), (52, 10036), (63, 10132), (67, 10147), (70, 10171), (71, 10192), (77, 10231), (82, 10255), (85, 10264), (88, 10276), (96, 10333), (101, 10360), (103, 10375), (110, 10399),

Gene: Jolene_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Jolene_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Jolie2_13 Start: 9130, Stop: 9750, Start Num: 21
Candidate Starts for Jolie2_13:
(Start: 21 @9130 has 162 MA's), (37, 9205), (44, 9262), (52, 9319), (63, 9415), (67, 9430), (69, 9445), (71, 9475), (77, 9514), (82, 9538), (92, 9586), (96, 9616), (103, 9658), (113, 9709),

Gene: Jonghyun_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Jonghyun_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: JorRay_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for JorRay_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Joy99_18 Start: 10470, Stop: 11084, Start Num: 18
Candidate Starts for Joy99_18:
(Start: 18 @10470 has 110 MA's), (34, 10515), (51, 10638), (57, 10692), (63, 10749), (67, 10764), (77, 10848), (79, 10854), (88, 10893), (90, 10905), (94, 10932), (101, 10977), (103, 10992), (110, 11016), (119, 11073),

Gene: Juliette_19 Start: 11592, Stop: 12203, Start Num: 21
Candidate Starts for Juliette_19:
(Start: 21 @11592 has 162 MA's), (38, 11658), (40, 11664), (44, 11712), (52, 11769), (53, 11775), (56, 11796), (57, 11808), (63, 11865), (67, 11880), (69, 11895), (77, 11964), (79, 11970), (92, 12036), (101, 12093), (103, 12108), (110, 12132), (114, 12162),

Gene: Kareem_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Kareem_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Kasen3_13 Start: 9855, Stop: 10469, Start Num: 21
Candidate Starts for Kasen3_13:

(Start: 21 @9855 has 162 MA's), (34, 9900), (37, 9924), (48, 10002), (51, 10023), (52, 10038), (63, 10134), (67, 10149), (70, 10173), (71, 10194), (77, 10233), (82, 10257), (85, 10266), (88, 10278), (96, 10335), (101, 10362), (103, 10377), (110, 10401),

Gene: Keshu_17 Start: 10564, Stop: 11175, Start Num: 20
Candidate Starts for Keshu_17:
(Start: 20 @10564 has 7 MA's), (34, 10609), (57, 10786), (63, 10843), (67, 10858), (71, 10903), (77, 10942), (79, 10948), (80, 10951), (88, 10987), (90, 10999), (92, 11014), (101, 11071), (103, 11086), (110, 11110),

Gene: Kheparia_20 Start: 10456, Stop: 11070, Start Num: 18
Candidate Starts for Kheparia_20:
(Start: 18 @10456 has 110 MA's), (34, 10501), (51, 10624), (57, 10678), (63, 10735), (67, 10750), (71, 10795), (77, 10834), (79, 10840), (88, 10879), (90, 10891), (94, 10918), (101, 10963), (103, 10978), (110, 11002),

Gene: KiSi_17 Start: 9433, Stop: 10044, Start Num: 18
Candidate Starts for KiSi_17:
(Start: 18 @9433 has 110 MA's), (34, 9475), (63, 9709), (67, 9724), (69, 9739), (71, 9769), (77, 9808), (79, 9814), (88, 9853), (90, 9865), (101, 9937), (103, 9952), (110, 9976), (114, 10006), (115, 10027),

Gene: Kratio_15 Start: 10255, Stop: 10866, Start Num: 21
Candidate Starts for Kratio_15:
(Start: 21 @10255 has 162 MA's), (34, 10300), (63, 10534), (67, 10549), (69, 10564), (77, 10633), (79, 10639), (88, 10678), (92, 10705), (101, 10762), (103, 10777), (110, 10801), (114, 10831),

Gene: Kraw_19 Start: 11636, Stop: 12247, Start Num: 21
Candidate Starts for Kraw_19:
(Start: 21 @11636 has 162 MA's), (38, 11702), (40, 11708), (44, 11756), (52, 11813), (53, 11819), (56, 11840), (57, 11852), (63, 11909), (67, 11924), (77, 12008), (79, 12014), (88, 12053), (90, 12065), (92, 12080), (103, 12152), (110, 12176), (114, 12206),

Gene: Krueger_17 Start: 9483, Stop: 10097, Start Num: 18
Candidate Starts for Krueger_17:
(Start: 18 @9483 has 110 MA's), (34, 9528), (57, 9705), (63, 9762), (67, 9777), (69, 9792), (71, 9822), (77, 9861), (79, 9867), (103, 10005), (111, 10032), (115, 10080),

Gene: Larva_16 Start: 10368, Stop: 10979, Start Num: 21
Candidate Starts for Larva_16:
(Start: 21 @10368 has 162 MA's), (34, 10413), (63, 10647), (67, 10662), (69, 10677), (77, 10746), (79, 10752), (88, 10791), (90, 10803), (92, 10818), (101, 10875), (103, 10890), (110, 10914), (114, 10944),

Gene: LastHope_18 Start: 9529, Stop: 10143, Start Num: 21
Candidate Starts for LastHope_18:
(Start: 21 @9529 has 162 MA's), (34, 9574), (42, 9640), (52, 9712), (57, 9751), (63, 9808), (69, 9838), (71, 9868), (77, 9907), (79, 9913), (80, 9916), (88, 9952), (101, 10036), (110, 10075), (114, 10105), (115, 10126),

Gene: LaterM_18 Start: 10463, Stop: 11074, Start Num: 19
Candidate Starts for LaterM_18:
(Start: 19 @10463 has 5 MA's), (34, 10505), (51, 10628), (57, 10682), (63, 10739), (67, 10754), (71, 10799), (77, 10838), (79, 10844), (88, 10883), (90, 10895), (94, 10922), (101, 10967), (103, 10982), (110, 11006),

Gene: Lavahound_16 Start: 10216, Stop: 10827, Start Num: 21
Candidate Starts for Lavahound_16:
(2, 9946), (Start: 6 @10111 has 1 MA's), (9, 10174), (11, 10183), (Start: 21 @10216 has 162 MA's), (34, 10258), (51, 10381), (53, 10402), (57, 10435), (63, 10492), (67, 10507), (77, 10591), (79, 10597), (88, 10636), (90, 10648), (94, 10675), (103, 10735), (110, 10759),

Gene: LeMond_17 Start: 9505, Stop: 10116, Start Num: 18
Candidate Starts for LeMond_17:
(Start: 18 @9505 has 110 MA's), (34, 9547), (63, 9781), (67, 9796), (69, 9811), (71, 9841), (77, 9880), (79, 9886), (88, 9925), (90, 9937), (101, 10009), (103, 10024), (110, 10048), (114, 10078), (115, 10099),

Gene: Lea83_17 Start: 10567, Stop: 11178, Start Num: 20
Candidate Starts for Lea83_17:
(Start: 20 @10567 has 7 MA's), (34, 10612), (57, 10789), (63, 10846), (67, 10861), (71, 10906), (77, 10945), (79, 10951), (80, 10954), (88, 10990), (90, 11002), (92, 11017), (101, 11074), (103, 11089), (110, 11113),

Gene: Lebo14_19 Start: 11730, Stop: 12341, Start Num: 21
Candidate Starts for Lebo14_19:
(Start: 21 @11730 has 162 MA's), (38, 11796), (40, 11802), (44, 11850), (52, 11907), (53, 11913), (56, 11934), (57, 11946), (63, 12003), (67, 12018), (77, 12102), (79, 12108), (88, 12147), (90, 12159), (92, 12174), (101, 12231), (103, 12246), (110, 12270), (114, 12300),

Gene: Lemuria_13 Start: 9183, Stop: 9803, Start Num: 21
Candidate Starts for Lemuria_13:
(Start: 21 @9183 has 162 MA's), (34, 9234), (37, 9258), (44, 9315), (51, 9357), (52, 9372), (63, 9468), (67, 9483), (69, 9498), (70, 9507), (71, 9528), (77, 9567), (82, 9591), (88, 9612), (92, 9639), (95, 9663), (96, 9669), (103, 9711),

Gene: Leston_16 Start: 10660, Stop: 11271, Start Num: 21
Candidate Starts for Leston_16:
(Start: 21 @10660 has 162 MA's), (34, 10705), (57, 10882), (63, 10939), (67, 10954), (69, 10969), (77, 11038), (79, 11044), (88, 11083), (90, 11095), (92, 11110), (98, 11149), (101, 11167), (103, 11182), (110, 11206), (114, 11236),

Gene: Liefie_13 Start: 9853, Stop: 10467, Start Num: 21
Candidate Starts for Liefie_13:
(Start: 21 @9853 has 162 MA's), (34, 9898), (37, 9922), (48, 10000), (51, 10021), (52, 10036), (63, 10132), (67, 10147), (69, 10162), (70, 10171), (71, 10192), (77, 10231), (82, 10255), (85, 10264), (88, 10276), (96, 10333), (101, 10360), (103, 10375), (110, 10399),

Gene: LilDirt_15 Start: 10385, Stop: 10996, Start Num: 21
Candidate Starts for LilDirt_15:
(Start: 21 @10385 has 162 MA's), (34, 10430), (57, 10607), (63, 10664), (67, 10679), (69, 10694), (77, 10763), (79, 10769), (88, 10808), (92, 10835), (101, 10892), (103, 10907), (110, 10931), (114, 10961),

Gene: LilPharaoh_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for LilPharaoh_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: LindNT_18 Start: 10468, Stop: 11082, Start Num: 18
Candidate Starts for LindNT_18:
(Start: 18 @10468 has 110 MA's), (34, 10513), (51, 10636), (57, 10690), (63, 10747), (67, 10762), (77, 10846), (79, 10852), (88, 10891), (90, 10903), (101, 10975), (103, 10990), (110, 11014), (119, 11071),

Gene: LisoBros_12 Start: 7473, Stop: 8045, Start Num: 30
Candidate Starts for LisoBros_12:
(5, 7308), (22, 7443), (Start: 30 @7473 has 7 MA's), (39, 7518), (41, 7530), (46, 7575), (58, 7680), (62, 7716), (64, 7722), (66, 7731), (69, 7749), (81, 7821), (88, 7848), (102, 7944), (104, 7950),

Gene: Llorens_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Llorens_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Lokum_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Lokum_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: LongHai_16 Start: 9646, Stop: 10287, Start Num: 21
Candidate Starts for LongHai_16:
(12, 9613), (Start: 21 @9646 has 162 MA's), (33, 9679), (34, 9688), (36, 9706), (45, 9772), (51, 9811), (52, 9826), (65, 9931), (69, 9952), (71, 9982), (77, 10021), (88, 10066), (101, 10150), (105, 10171),

Gene: LouisV14_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for LouisV14_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Lunahalos_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Lunahalos_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: MOOREtheMARYer_13 Start: 10071, Stop: 10694, Start Num: 21
Candidate Starts for MOOREtheMARYer_13:
(Start: 21 @10071 has 162 MA's), (25, 10098), (37, 10149), (44, 10206), (51, 10248), (52, 10263), (63, 10359), (67, 10374), (70, 10398), (71, 10419), (77, 10458), (82, 10482), (92, 10530), (95, 10554), (96, 10560), (103, 10602),

Gene: MZKinsey_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for MZKinsey_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: MacKat_18 Start: 10521, Stop: 11132, Start Num: 18

Candidate Starts for MacKat_18:
(Start: 18 @10521 has 110 MA's), (34, 10563), (51, 10686), (57, 10740), (63, 10797), (67, 10812), (77, 10896), (79, 10902), (88, 10941), (94, 10980), (101, 11025), (103, 11040), (110, 11064), (119, 11121),

Gene: MacnCheese_18 Start: 10792, Stop: 11403, Start Num: 20
Candidate Starts for MacnCheese_18:
(Start: 20 @10792 has 7 MA's), (34, 10837), (57, 11014), (63, 11071), (67, 11086), (71, 11131), (77, 11170), (79, 11176), (80, 11179), (88, 11215), (90, 11227), (92, 11242), (103, 11314), (110, 11338),

Gene: Maco6_13 Start: 8602, Stop: 9243, Start Num: 21
Candidate Starts for Maco6_13:
(12, 8569), (Start: 21 @8602 has 162 MA's), (33, 8635), (34, 8644), (36, 8662), (45, 8728), (51, 8767), (52, 8782), (65, 8887), (69, 8908), (71, 8938), (77, 8977), (88, 9022), (101, 9106), (105, 9127),

Gene: Maliketh_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Maliketh_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Malthus_19 Start: 11636, Stop: 12247, Start Num: 21
Candidate Starts for Malthus_19:
(Start: 21 @11636 has 162 MA's), (38, 11702), (40, 11708), (44, 11756), (52, 11813), (53, 11819), (56, 11840), (57, 11852), (63, 11909), (67, 11924), (77, 12008), (79, 12014), (88, 12053), (90, 12065), (92, 12080), (103, 12152), (110, 12176), (114, 12206),

Gene: Marcoliusprime_14 Start: 8532, Stop: 9146, Start Num: 17
Candidate Starts for Marcoliusprime_14:
(Start: 17 @8532 has 8 MA's), (33, 8571), (34, 8580), (63, 8814), (67, 8829), (69, 8844), (71, 8874), (77, 8913), (79, 8919), (87, 8955), (90, 8970), (94, 8997), (101, 9042), (103, 9057), (110, 9081),

Gene: MarkPhew_18 Start: 9393, Stop: 10004, Start Num: 18
Candidate Starts for MarkPhew_18:
(Start: 18 @9393 has 110 MA's), (34, 9435), (52, 9573), (63, 9669), (67, 9684), (71, 9729), (77, 9768), (79, 9774), (103, 9912), (110, 9936), (114, 9966), (115, 9987),

Gene: Marmie_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Marmie_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Marshawn_19 Start: 10081, Stop: 10695, Start Num: 21
Candidate Starts for Marshawn_19:
(Start: 21 @10081 has 162 MA's), (27, 10105), (34, 10126), (51, 10249), (53, 10270), (63, 10360), (67, 10375), (77, 10459), (79, 10465), (88, 10504), (90, 10516), (94, 10543), (101, 10588), (103, 10603), (110, 10627),

Gene: McMater_18 Start: 9573, Stop: 10184, Start Num: 21
Candidate Starts for McMater_18:
(Start: 21 @9573 has 162 MA's), (34, 9615), (52, 9753), (57, 9792), (63, 9849), (67, 9864), (71, 9909), (77, 9948), (79, 9954), (80, 9957), (90, 10005), (92, 10020), (101, 10077),

Gene: Mdavu_14 Start: 9765, Stop: 10376, Start Num: 18
Candidate Starts for Mdavu_14:
(Start: 18 @9765 has 110 MA's), (27, 9786), (34, 9807), (51, 9930), (52, 9945), (57, 9984), (63, 10041), (67, 10056), (71, 10101), (77, 10140), (79, 10146), (88, 10185), (90, 10197), (101, 10269), (103, 10284), (110, 10308), (114, 10338),

Gene: MeaningOfLife_18 Start: 10477, Stop: 11091, Start Num: 18
Candidate Starts for MeaningOfLife_18:
(Start: 18 @10477 has 110 MA's), (34, 10522), (51, 10645), (57, 10699), (63, 10756), (67, 10771), (77, 10855), (79, 10861), (88, 10900), (90, 10912), (94, 10939), (101, 10984), (103, 10999), (110, 11023), (119, 11080),

Gene: Megsy_18 Start: 10471, Stop: 11085, Start Num: 18
Candidate Starts for Megsy_18:
(Start: 18 @10471 has 110 MA's), (34, 10516), (51, 10639), (57, 10693), (63, 10750), (67, 10765), (77, 10849), (79, 10855), (88, 10894), (90, 10906), (94, 10933), (101, 10978), (103, 10993), (110, 11017), (119, 11074),

Gene: Mercurio_14 Start: 9826, Stop: 10446, Start Num: 21
Candidate Starts for Mercurio_14:
(Start: 21 @9826 has 162 MA's), (37, 9901), (44, 9958), (52, 10015), (63, 10111), (67, 10126), (69, 10141), (71, 10171), (77, 10210), (82, 10234), (88, 10255), (92, 10282), (95, 10306), (96, 10312), (103, 10354), (114, 10408),

Gene: Milly_14 Start: 8532, Stop: 9146, Start Num: 17
Candidate Starts for Milly_14:
(Start: 17 @8532 has 8 MA's), (33, 8571), (34, 8580), (63, 8814), (67, 8829), (69, 8844), (71, 8874), (77, 8913), (79, 8919), (87, 8955), (90, 8970), (94, 8997), (101, 9042), (103, 9057), (110, 9081),

Gene: Miryou_16 Start: 10508, Stop: 11119, Start Num: 21
Candidate Starts for Miryou_16:
(Start: 21 @10508 has 162 MA's), (34, 10553), (57, 10730), (63, 10787), (67, 10802), (69, 10817), (77, 10886), (79, 10892), (88, 10931), (90, 10943), (92, 10958), (98, 10997), (101, 11015), (103, 11030), (110, 11054), (114, 11084),

Gene: MissDaisy_19 Start: 11490, Stop: 12101, Start Num: 21
Candidate Starts for MissDaisy_19:
(Start: 21 @11490 has 162 MA's), (38, 11556), (40, 11562), (41, 11571), (44, 11610), (52, 11667), (53, 11673), (56, 11694), (57, 11706), (63, 11763), (67, 11778), (77, 11862), (79, 11868), (87, 11904), (88, 11907), (90, 11919), (92, 11934), (101, 11991), (103, 12006), (110, 12030), (114, 12060),

Gene: Mitti_19 Start: 11640, Stop: 12251, Start Num: 21
Candidate Starts for Mitti_19:
(Start: 21 @11640 has 162 MA's), (38, 11706), (40, 11712), (44, 11760), (52, 11817), (53, 11823), (56, 11844), (57, 11856), (63, 11913), (67, 11928), (77, 12012), (79, 12018), (88, 12057), (90, 12069), (92, 12084), (101, 12141), (103, 12156), (110, 12180), (114, 12210),

Gene: Mowgli_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Mowgli_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Muddy_15 Start: 9552, Stop: 10193, Start Num: 21
Candidate Starts for Muddy_15:
(12, 9519), (Start: 21 @9552 has 162 MA's), (33, 9585), (34, 9594), (36, 9612), (45, 9678), (51, 9717), (52, 9732), (65, 9837), (69, 9858), (71, 9888), (77, 9927), (88, 9972), (101, 10056), (105, 10077),

Gene: Mufasa_14 Start: 8522, Stop: 9145, Start Num: 16
Candidate Starts for Mufasa_14:
(7, 8456), (Start: 16 @8522 has 3 MA's), (33, 8570), (52, 8717), (63, 8813), (67, 8828), (69, 8843), (71, 8873), (77, 8912), (79, 8918), (80, 8921), (88, 8957), (90, 8969), (92, 8984), (101, 9041), (103, 9056), (110, 9080),

Gene: Murucutumbu_18 Start: 10456, Stop: 11067, Start Num: 19
Candidate Starts for Murucutumbu_18:
(Start: 19 @10456 has 5 MA's), (34, 10498), (51, 10621), (57, 10675), (63, 10732), (67, 10747), (71, 10792), (77, 10831), (79, 10837), (88, 10876), (90, 10888), (94, 10915), (101, 10960), (103, 10975), (110, 10999),

Gene: Mynx_18 Start: 10524, Stop: 11138, Start Num: 18
Candidate Starts for Mynx_18:
(Start: 18 @10524 has 110 MA's), (34, 10569), (51, 10692), (57, 10746), (63, 10803), (67, 10818), (77, 10902), (79, 10908), (88, 10947), (90, 10959), (94, 10986), (101, 11031), (103, 11046), (110, 11070), (119, 11127),

Gene: Neighly_16 Start: 10367, Stop: 10978, Start Num: 21
Candidate Starts for Neighly_16:
(Start: 21 @10367 has 162 MA's), (34, 10412), (63, 10646), (67, 10661), (69, 10676), (77, 10745), (79, 10751), (88, 10790), (90, 10802), (92, 10817), (101, 10874), (103, 10889), (110, 10913), (114, 10943),

Gene: Neoh_13 Start: 9855, Stop: 10469, Start Num: 21
Candidate Starts for Neoh_13:
(Start: 21 @9855 has 162 MA's), (34, 9900), (37, 9924), (48, 10002), (51, 10023), (52, 10038), (63, 10134), (67, 10149), (70, 10173), (71, 10194), (77, 10233), (82, 10257), (85, 10266), (88, 10278), (96, 10335), (101, 10362), (103, 10377), (110, 10401),

Gene: Neroxid_13 Start: 7140, Stop: 7685, Start Num: 32
Candidate Starts for Neroxid_13:
(32, 7140), (41, 7191), (50, 7260), (55, 7308), (69, 7410), (72, 7443), (76, 7458), (83, 7494), (88, 7509), (104, 7611), (108, 7626),

Gene: Nibb_17 Start: 9545, Stop: 10156, Start Num: 18
Candidate Starts for Nibb_17:
(Start: 18 @9545 has 110 MA's), (34, 9587), (52, 9725), (57, 9764), (63, 9821), (67, 9836), (71, 9881), (77, 9920), (79, 9926), (90, 9977), (103, 10064), (110, 10088), (115, 10139),

Gene: Nikao_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for Nikao_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: Niklas_18 Start: 9573, Stop: 10184, Start Num: 21
Candidate Starts for Niklas_18:

(Start: 21 @9573 has 162 MA's), (34, 9615), (52, 9753), (57, 9792), (63, 9849), (67, 9864), (71, 9909), (77, 9948), (79, 9954), (80, 9957), (90, 10005), (92, 10020), (101, 10077),

Gene: NoShow_13 Start: 8694, Stop: 9302, Start Num: 21
Candidate Starts for NoShow_13:
(Start: 21 @8694 has 162 MA's), (39, 8763), (58, 8928), (69, 8997), (75, 9048), (77, 9066), (78, 9069), (82, 9090), (93, 9141), (101, 9195),

Gene: Nolwazi_19 Start: 11641, Stop: 12252, Start Num: 21
Candidate Starts for Nolwazi_19:
(Start: 21 @11641 has 162 MA's), (38, 11707), (40, 11713), (44, 11761), (52, 11818), (53, 11824), (56, 11845), (57, 11857), (63, 11914), (67, 11929), (77, 12013), (79, 12019), (88, 12058), (90, 12070), (92, 12085), (101, 12142), (103, 12157), (110, 12181), (114, 12211),

Gene: November_16 Start: 10373, Stop: 10987, Start Num: 21
Candidate Starts for November_16:
(Start: 21 @10373 has 162 MA's), (27, 10397), (34, 10418), (53, 10562), (57, 10595), (63, 10652), (67, 10667), (77, 10751), (79, 10757), (88, 10796), (90, 10808), (94, 10835), (103, 10895), (110, 10919), (114, 10949),

Gene: Nutello_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for Nutello_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: OctaviousRex_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for OctaviousRex_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: OkiRoe_16 Start: 10530, Stop: 11141, Start Num: 21
Candidate Starts for OkiRoe_16:
(Start: 21 @10530 has 162 MA's), (34, 10575), (57, 10752), (63, 10809), (67, 10824), (69, 10839), (77, 10908), (79, 10914), (88, 10953), (90, 10965), (92, 10980), (98, 11019), (101, 11037), (103, 11052), (110, 11076), (114, 11106),

Gene: Olga_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Olga_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: OmniCritical_19 Start: 11627, Stop: 12238, Start Num: 21
Candidate Starts for OmniCritical_19:
(Start: 21 @11627 has 162 MA's), (38, 11693), (40, 11699), (44, 11747), (52, 11804), (53, 11810), (56, 11831), (57, 11843), (63, 11900), (67, 11915), (77, 11999), (79, 12005), (88, 12044), (90, 12056), (92, 12071), (101, 12128), (103, 12143), (110, 12167), (114, 12197),

Gene: Omnicron_16 Start: 9598, Stop: 10209, Start Num: 21
Candidate Starts for Omnicron_16:

(Start: 21 @9598 has 162 MA's), (34, 9643), (44, 9724), (57, 9820), (63, 9877), (67, 9892), (69, 9907), (77, 9976), (79, 9982), (88, 10021), (92, 10048), (101, 10105), (103, 10120), (110, 10144), (114, 10174), (117, 10195),

Gene: Oscar_17 Start: 9506, Stop: 10117, Start Num: 18
Candidate Starts for Oscar_17:
(Start: 18 @9506 has 110 MA's), (34, 9548), (63, 9782), (67, 9797), (69, 9812), (71, 9842), (77, 9881), (79, 9887), (88, 9926), (90, 9938), (101, 10010), (103, 10025), (110, 10049), (114, 10079), (115, 10100),

Gene: PFR1_10 Start: 8107, Stop: 8706, Start Num: 31
Candidate Starts for PFR1_10:
(31, 8107), (49, 8227), (55, 8281), (61, 8326), (66, 8362), (74, 8431), (88, 8497), (89, 8506), (94, 8539), (97, 8566), (106, 8608), (109, 8623),

Gene: PFR2_10 Start: 8107, Stop: 8706, Start Num: 31
Candidate Starts for PFR2_10:
(31, 8107), (49, 8227), (55, 8281), (61, 8326), (66, 8362), (74, 8431), (88, 8497), (89, 8506), (94, 8539), (97, 8566), (106, 8608), (109, 8623),

Gene: Pace1224_13 Start: 9947, Stop: 10567, Start Num: 21
Candidate Starts for Pace1224_13:
(Start: 21 @9947 has 162 MA's), (37, 10022), (44, 10079), (51, 10121), (52, 10136), (63, 10232), (67, 10247), (70, 10271), (77, 10331), (82, 10355), (92, 10403), (96, 10433), (103, 10475), (110, 10499), (114, 10529),

Gene: Padfoot_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Padfoot_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Padpat_18 Start: 10504, Stop: 11115, Start Num: 18
Candidate Starts for Padpat_18:
(Start: 18 @10504 has 110 MA's), (34, 10546), (57, 10723), (63, 10780), (67, 10795), (77, 10879), (79, 10885), (88, 10924), (90, 10936), (94, 10963), (101, 11008), (103, 11023), (110, 11047), (119, 11104),

Gene: Paito_13 Start: 9962, Stop: 10582, Start Num: 21
Candidate Starts for Paito_13:
(Start: 21 @9962 has 162 MA's), (37, 10037), (51, 10136), (52, 10151), (63, 10247), (67, 10262), (69, 10277), (70, 10286), (71, 10307), (77, 10346), (82, 10370), (85, 10379), (88, 10391), (95, 10442), (96, 10448), (101, 10475), (103, 10490), (110, 10514),

Gene: Paola_16 Start: 10530, Stop: 11141, Start Num: 21
Candidate Starts for Paola_16:
(Start: 21 @10530 has 162 MA's), (34, 10575), (57, 10752), (63, 10809), (67, 10824), (69, 10839), (77, 10908), (79, 10914), (88, 10953), (90, 10965), (92, 10980), (98, 11019), (101, 11037), (103, 11052), (110, 11076), (114, 11106),

Gene: Patt_19 Start: 11466, Stop: 12077, Start Num: 21
Candidate Starts for Patt_19:
(Start: 21 @11466 has 162 MA's), (38, 11532), (40, 11538), (41, 11547), (44, 11586), (52, 11643), (53, 11649), (56, 11670), (57, 11682), (63, 11739), (67, 11754), (77, 11838), (79, 11844), (87, 11880), (88,

11883), (90, 11895), (92, 11910), (101, 11967), (103, 11982), (110, 12006), (114, 12036),

Gene: Peanam_18 Start: 9573, Stop: 10184, Start Num: 21
Candidate Starts for Peanam_18:
(Start: 21 @9573 has 162 MA's), (34, 9615), (52, 9753), (57, 9792), (63, 9849), (67, 9864), (71, 9909), (77, 9948), (79, 9954), (80, 9957), (90, 10005), (92, 10020), (101, 10077),

Gene: Peeb_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Peeb_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (69, 10163), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Peel_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Peel_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Periodt_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Periodt_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Pharb_17 Start: 10403, Stop: 11017, Start Num: 21
Candidate Starts for Pharb_17:
(Start: 21 @10403 has 162 MA's), (34, 10451), (63, 10685), (67, 10700), (71, 10745), (77, 10784), (79, 10790), (80, 10793), (88, 10829), (90, 10841), (92, 10856), (101, 10913), (103, 10928), (110, 10952),

Gene: PhelpsODU_17 Start: 9556, Stop: 10170, Start Num: 18
Candidate Starts for PhelpsODU_17:
(Start: 18 @9556 has 110 MA's), (24, 9568), (34, 9601), (57, 9778), (63, 9835), (67, 9850), (69, 9865), (71, 9895), (77, 9934), (79, 9940), (90, 9991), (94, 10018), (103, 10078), (111, 10105),

Gene: Phish_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Phish_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Phloodle_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Phloodle_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Phrank_17 Start: 9499, Stop: 10113, Start Num: 18
Candidate Starts for Phrank_17:
(Start: 18 @9499 has 110 MA's), (24, 9511), (34, 9544), (57, 9721), (63, 9778), (67, 9793), (69, 9808), (71, 9838), (77, 9877), (79, 9883), (94, 9961), (103, 10021), (111, 10048),

Gene: Phreak_13 Start: 9854, Stop: 10468, Start Num: 21

Candidate Starts for Phreak_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Piatt_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Piatt_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: PinkYoshi_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for PinkYoshi_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Pinnie_14 Start: 10537, Stop: 11160, Start Num: 21
Candidate Starts for Pinnie_14:
(Start: 21 @10537 has 162 MA's), (25, 10564), (37, 10615), (44, 10672), (51, 10714), (52, 10729), (63, 10825), (67, 10840), (70, 10864), (71, 10885), (77, 10924), (82, 10948), (92, 10996), (95, 11020), (96, 11026), (103, 11068),

Gene: Pisa1_17 Start: 10259, Stop: 10870, Start Num: 18
Candidate Starts for Pisa1_17:
(14, 10244), (Start: 18 @10259 has 110 MA's), (34, 10301), (57, 10478), (63, 10535), (67, 10550), (71, 10595), (77, 10634), (79, 10640), (88, 10679), (90, 10691), (94, 10718), (101, 10763), (103, 10778), (110, 10802),

Gene: Pisa4_17 Start: 10259, Stop: 10870, Start Num: 18
Candidate Starts for Pisa4_17:
(14, 10244), (Start: 18 @10259 has 110 MA's), (34, 10301), (57, 10478), (63, 10535), (67, 10550), (71, 10595), (77, 10634), (79, 10640), (88, 10679), (90, 10691), (94, 10718), (101, 10763), (103, 10778), (110, 10802),

Gene: Pixie_17 Start: 10319, Stop: 10930, Start Num: 20
Candidate Starts for Pixie_17:
(Start: 20 @10319 has 7 MA's), (34, 10364), (57, 10541), (63, 10598), (67, 10613), (71, 10658), (77, 10697), (79, 10703), (80, 10706), (88, 10742), (90, 10754), (92, 10769), (101, 10826), (103, 10841), (110, 10865),

Gene: Plagueis_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Plagueis_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Pokerus_17 Start: 10458, Stop: 11072, Start Num: 18
Candidate Starts for Pokerus_17:
(Start: 18 @10458 has 110 MA's), (34, 10503), (51, 10626), (57, 10680), (63, 10737), (67, 10752), (77, 10836), (79, 10842), (88, 10881), (90, 10893), (94, 10920), (101, 10965), (103, 10980), (110, 11004),

Gene: Primanti_13 Start: 9854, Stop: 10468, Start Num: 21

Candidate Starts for Primanti_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Prithvi_18 Start: 10468, Stop: 11082, Start Num: 18
Candidate Starts for Prithvi_18:
(Start: 18 @10468 has 110 MA's), (34, 10513), (51, 10636), (57, 10690), (63, 10747), (67, 10762), (77, 10846), (79, 10852), (88, 10891), (90, 10903), (101, 10975), (103, 10990), (110, 11014), (119, 11071),

Gene: Psycho_16 Start: 10498, Stop: 11109, Start Num: 21
Candidate Starts for Psycho_16:
(Start: 21 @10498 has 162 MA's), (34, 10543), (63, 10777), (67, 10792), (69, 10807), (77, 10876), (79, 10882), (88, 10921), (90, 10933), (92, 10948), (101, 11005), (103, 11020), (110, 11044), (114, 11074),

Gene: Qhanda_19 Start: 11736, Stop: 12347, Start Num: 21
Candidate Starts for Qhanda_19:
(Start: 21 @11736 has 162 MA's), (38, 11802), (40, 11808), (44, 11856), (52, 11913), (53, 11919), (56, 11940), (57, 11952), (63, 12009), (67, 12024), (77, 12108), (79, 12114), (88, 12153), (90, 12165), (92, 12180), (101, 12237), (103, 12252), (110, 12276), (114, 12306),

Gene: QuincyRose_17 Start: 10521, Stop: 11135, Start Num: 18
Candidate Starts for QuincyRose_17:
(Start: 18 @10521 has 110 MA's), (34, 10566), (51, 10689), (57, 10743), (63, 10800), (67, 10815), (77, 10899), (79, 10905), (88, 10944), (90, 10956), (94, 10983), (101, 11028), (103, 11043), (110, 11067),

Gene: Rabbs_13 Start: 9837, Stop: 10457, Start Num: 21
Candidate Starts for Rabbs_13:
(Start: 21 @9837 has 162 MA's), (37, 9912), (51, 10011), (52, 10026), (63, 10122), (67, 10137), (69, 10152), (70, 10161), (71, 10182), (77, 10221), (82, 10245), (85, 10254), (88, 10266), (95, 10317), (96, 10323), (100, 10347), (103, 10365), (110, 10389),

Gene: Ramen_18 Start: 10504, Stop: 11118, Start Num: 18
Candidate Starts for Ramen_18:
(Start: 18 @10504 has 110 MA's), (34, 10549), (51, 10672), (57, 10726), (63, 10783), (67, 10798), (77, 10882), (79, 10888), (88, 10927), (90, 10939), (94, 10966), (101, 11011), (103, 11026), (110, 11050), (119, 11107),

Gene: Rando14_16 Start: 9500, Stop: 10111, Start Num: 21
Candidate Starts for Rando14_16:
(Start: 21 @9500 has 162 MA's), (34, 9545), (57, 9722), (63, 9779), (67, 9794), (69, 9809), (71, 9839), (77, 9878), (79, 9884), (88, 9923), (90, 9935), (92, 9950), (94, 9962), (101, 10007), (103, 10022), (110, 10046), (114, 10076), (117, 10097),

Gene: Rapunzel97_18 Start: 10505, Stop: 11119, Start Num: 18
Candidate Starts for Rapunzel97_18:
(Start: 18 @10505 has 110 MA's), (34, 10550), (51, 10673), (57, 10727), (63, 10784), (67, 10799), (77, 10883), (79, 10889), (88, 10928), (90, 10940), (94, 10967), (101, 11012), (103, 11027), (110, 11051), (119, 11108),

Gene: Rattrick_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Rattrick_13:

(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Raya_13 Start: 7140, Stop: 7685, Start Num: 32
Candidate Starts for Raya_13:
(32, 7140), (41, 7191), (50, 7260), (55, 7308), (69, 7410), (72, 7443), (76, 7458), (83, 7494), (88, 7509), (104, 7611), (108, 7626),

Gene: Remy19_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Remy19_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Renaissance_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Renaissance_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Reptar3000_19 Start: 11468, Stop: 12079, Start Num: 21
Candidate Starts for Reptar3000_19:
(Start: 21 @11468 has 162 MA's), (38, 11534), (40, 11540), (41, 11549), (44, 11588), (52, 11645), (53, 11651), (56, 11672), (57, 11684), (63, 11741), (67, 11756), (77, 11840), (79, 11846), (87, 11882), (88, 11885), (90, 11897), (92, 11912), (101, 11969), (103, 11984), (110, 12008), (114, 12038),

Gene: Richarlison_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Richarlison_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Richo_18 Start: 9573, Stop: 10184, Start Num: 21
Candidate Starts for Richo_18:
(Start: 21 @9573 has 162 MA's), (34, 9615), (52, 9753), (57, 9792), (63, 9849), (67, 9864), (71, 9909), (77, 9948), (79, 9954), (80, 9957), (90, 10005), (92, 10020), (101, 10077),

Gene: Rosmarinus_18 Start: 10532, Stop: 11143, Start Num: 18
Candidate Starts for Rosmarinus_18:
(Start: 18 @10532 has 110 MA's), (34, 10574), (51, 10697), (57, 10751), (63, 10808), (67, 10823), (77, 10907), (79, 10913), (88, 10952), (90, 10964), (94, 10991), (101, 11036), (103, 11051), (110, 11075), (119, 11132),

Gene: Ruriko_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Ruriko_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Ruthiejr_18 Start: 11323, Stop: 11934, Start Num: 21
Candidate Starts for Ruthiejr_18:

(Start: 21 @11323 has 162 MA's), (38, 11389), (40, 11395), (44, 11443), (52, 11500), (53, 11506), (56, 11527), (57, 11539), (63, 11596), (67, 11611), (69, 11626), (77, 11695), (79, 11701), (92, 11767), (101, 11824), (103, 11839), (110, 11863), (114, 11893),

Gene: Salvus_16 Start: 9646, Stop: 10287, Start Num: 21
Candidate Starts for Salvus_16:
(12, 9613), (Start: 21 @9646 has 162 MA's), (33, 9679), (34, 9688), (36, 9706), (45, 9772), (51, 9811), (52, 9826), (65, 9931), (69, 9952), (71, 9982), (77, 10021), (88, 10066), (101, 10150), (105, 10171),

Gene: SamScheppers_17 Start: 11243, Stop: 11854, Start Num: 21
Candidate Starts for SamScheppers_17:
(Start: 21 @11243 has 162 MA's), (38, 11309), (40, 11315), (44, 11363), (52, 11420), (53, 11426), (56, 11447), (57, 11459), (63, 11516), (67, 11531), (77, 11615), (79, 11621), (88, 11660), (90, 11672), (92, 11687), (101, 11744), (103, 11759), (110, 11783), (114, 11813),

Gene: SamuelLPlaqson_18 Start: 10446, Stop: 11060, Start Num: 18
Candidate Starts for SamuelLPlaqson_18:
(Start: 18 @10446 has 110 MA's), (25, 10464), (34, 10491), (57, 10668), (63, 10725), (67, 10740), (69, 10755), (71, 10785), (77, 10824), (79, 10830), (88, 10869), (90, 10881), (94, 10908), (101, 10953), (103, 10968), (110, 10992),

Gene: Scarlett_17 Start: 9505, Stop: 10116, Start Num: 18
Candidate Starts for Scarlett_17:
(Start: 18 @9505 has 110 MA's), (34, 9547), (63, 9781), (67, 9796), (69, 9811), (71, 9841), (77, 9880), (79, 9886), (88, 9925), (90, 9937), (101, 10009), (103, 10024), (110, 10048), (114, 10078), (115, 10099),

Gene: Schiebel_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Schiebel_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: SgtBeansprout_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for SgtBeansprout_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: ShaboiShabazz_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for ShaboiShabazz_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Shadow1_16 Start: 9392, Stop: 10006, Start Num: 18
Candidate Starts for Shadow1_16:
(Start: 18 @9392 has 110 MA's), (34, 9437), (57, 9614), (63, 9671), (67, 9686), (71, 9731), (77, 9770), (79, 9776), (103, 9914), (111, 9941),

Gene: Shambre1_14 Start: 9456, Stop: 10025, Start Num: 28
Candidate Starts for Shambre1_14:
(Start: 28 @9456 has 4 MA's), (64, 9705), (88, 9849), (91, 9873), (102, 9945), (112, 9984),

Gene: Shaobing_18 Start: 9573, Stop: 10184, Start Num: 21
Candidate Starts for Shaobing_18:
(Start: 21 @9573 has 162 MA's), (34, 9615), (52, 9753), (57, 9792), (63, 9849), (67, 9864), (71, 9909), (77, 9948), (79, 9954), (80, 9957), (90, 10005), (92, 10020), (101, 10077),

Gene: ShedlockHolmes_17 Start: 10567, Stop: 11178, Start Num: 20
Candidate Starts for ShedlockHolmes_17:
(Start: 20 @10567 has 7 MA's), (34, 10612), (57, 10789), (63, 10846), (67, 10861), (71, 10906), (73, 10918), (77, 10945), (79, 10951), (80, 10954), (88, 10990), (90, 11002), (92, 11017), (101, 11074), (103, 11089), (110, 11113),

Gene: ShiaSurprise_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for ShiaSurprise_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: SirPhilip_17 Start: 9268, Stop: 9879, Start Num: 18
Candidate Starts for SirPhilip_17:
(Start: 18 @9268 has 110 MA's), (42, 9376), (52, 9448), (57, 9487), (63, 9544), (67, 9559), (71, 9604), (76, 9628), (77, 9643), (79, 9649), (88, 9688), (90, 9700), (103, 9787), (110, 9811), (115, 9862),

Gene: Sizemore_13 Start: 9855, Stop: 10469, Start Num: 21
Candidate Starts for Sizemore_13:
(Start: 21 @9855 has 162 MA's), (34, 9900), (37, 9924), (48, 10002), (51, 10023), (52, 10038), (63, 10134), (67, 10149), (70, 10173), (71, 10194), (77, 10233), (82, 10257), (85, 10266), (88, 10278), (96, 10335), (101, 10362), (103, 10377), (110, 10401),

Gene: Skyerus_13 Start: 7140, Stop: 7685, Start Num: 32
Candidate Starts for Skyerus_13:
(32, 7140), (41, 7191), (50, 7260), (55, 7308), (69, 7410), (72, 7443), (76, 7458), (83, 7494), (88, 7509), (104, 7611), (108, 7626),

Gene: Slarp_19 Start: 11727, Stop: 12338, Start Num: 21
Candidate Starts for Slarp_19:
(Start: 21 @11727 has 162 MA's), (38, 11793), (40, 11799), (44, 11847), (52, 11904), (53, 11910), (56, 11931), (57, 11943), (63, 12000), (67, 12015), (77, 12099), (79, 12105), (88, 12144), (90, 12156), (92, 12171), (101, 12228), (103, 12243), (110, 12267), (114, 12297),

Gene: Slimphazie_18 Start: 10505, Stop: 11119, Start Num: 18
Candidate Starts for Slimphazie_18:
(Start: 18 @10505 has 110 MA's), (34, 10550), (51, 10673), (57, 10727), (63, 10784), (67, 10799), (77, 10883), (79, 10889), (88, 10928), (90, 10940), (94, 10967), (101, 11012), (103, 11027), (110, 11051), (119, 11108),

Gene: Sneeze_13 Start: 9836, Stop: 10456, Start Num: 21
Candidate Starts for Sneeze_13:
(Start: 21 @9836 has 162 MA's), (37, 9911), (51, 10010), (52, 10025), (63, 10121), (67, 10136), (69, 10151), (70, 10160), (71, 10181), (77, 10220), (82, 10244), (85, 10253), (88, 10265), (95, 10316), (96, 10322), (100, 10346), (103, 10364), (110, 10388),

Gene: SoSeph_16 Start: 10657, Stop: 11268, Start Num: 21

Candidate Starts for SoSeph_16:
(Start: 21 @10657 has 162 MA's), (34, 10702), (57, 10879), (63, 10936), (67, 10951), (69, 10966), (77, 11035), (79, 11041), (88, 11080), (92, 11107), (98, 11146), (101, 11164), (103, 11179), (110, 11203), (114, 11233),

Gene: Spock_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Spock_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Stargaze_13 Start: 10149, Stop: 10772, Start Num: 21
Candidate Starts for Stargaze_13:
(Start: 21 @10149 has 162 MA's), (37, 10227), (44, 10284), (51, 10326), (52, 10341), (63, 10437), (67, 10452), (70, 10476), (71, 10497), (77, 10536), (82, 10560), (92, 10608), (96, 10638), (103, 10680), (110, 10704),

Gene: Stinson_18 Start: 10468, Stop: 11079, Start Num: 19
Candidate Starts for Stinson_18:
(Start: 19 @10468 has 5 MA's), (34, 10510), (51, 10633), (57, 10687), (63, 10744), (67, 10759), (71, 10804), (77, 10843), (79, 10849), (88, 10888), (90, 10900), (94, 10927), (101, 10972), (103, 10987), (110, 11011),

Gene: Strobilo_14 Start: 8532, Stop: 9146, Start Num: 17
Candidate Starts for Strobilo_14:
(Start: 17 @8532 has 8 MA's), (33, 8571), (34, 8580), (63, 8814), (67, 8829), (69, 8844), (71, 8874), (77, 8913), (79, 8919), (87, 8955), (90, 8970), (94, 8997), (101, 9042), (103, 9057), (110, 9081),

Gene: Sulley_18 Start: 10474, Stop: 11088, Start Num: 18
Candidate Starts for Sulley_18:
(Start: 18 @10474 has 110 MA's), (34, 10519), (51, 10642), (57, 10696), (63, 10753), (67, 10768), (77, 10852), (79, 10858), (88, 10897), (90, 10909), (94, 10936), (101, 10981), (103, 10996), (110, 11020), (119, 11077),

Gene: Sunflower1121_16 Start: 9403, Stop: 10017, Start Num: 18
Candidate Starts for Sunflower1121_16:
(Start: 18 @9403 has 110 MA's), (34, 9448), (57, 9625), (63, 9682), (67, 9697), (71, 9742), (77, 9781), (79, 9787), (103, 9925), (111, 9952),

Gene: Sweets_13 Start: 9849, Stop: 10463, Start Num: 21
Candidate Starts for Sweets_13:
(Start: 21 @9849 has 162 MA's), (34, 9894), (37, 9918), (48, 9996), (51, 10017), (52, 10032), (63, 10128), (67, 10143), (70, 10167), (71, 10188), (77, 10227), (82, 10251), (85, 10260), (88, 10272), (96, 10329), (101, 10356), (103, 10371), (110, 10395),

Gene: Syra333_17 Start: 9500, Stop: 10114, Start Num: 18
Candidate Starts for Syra333_17:
(Start: 18 @9500 has 110 MA's), (34, 9545), (57, 9722), (63, 9779), (67, 9794), (69, 9809), (71, 9839), (77, 9878), (79, 9884), (103, 10022), (111, 10049), (115, 10097),

Gene: TBond007_17 Start: 10318, Stop: 10929, Start Num: 20
Candidate Starts for TBond007_17:

(Start: 20 @10318 has 7 MA's), (34, 10363), (57, 10540), (63, 10597), (67, 10612), (71, 10657), (77, 10696), (79, 10702), (80, 10705), (88, 10741), (90, 10753), (92, 10768), (101, 10825), (103, 10840), (110, 10864),

Gene: TClif_17 Start: 9491, Stop: 10102, Start Num: 18
Candidate Starts for TClif_17:
(8, 9443), (Start: 18 @9491 has 110 MA's), (Start: 28 @9515 has 4 MA's), (52, 9671), (57, 9710), (63, 9767), (67, 9782), (69, 9797), (71, 9827), (77, 9866), (79, 9872), (88, 9911), (90, 9923), (94, 9950), (103, 10010), (110, 10034), (113, 10061), (115, 10085),

Gene: TM4_14 Start: 8590, Stop: 9204, Start Num: 17
Candidate Starts for TM4_14:
(Start: 17 @8590 has 8 MA's), (34, 8638), (63, 8872), (67, 8887), (69, 8902), (71, 8932), (76, 8956), (77, 8971), (79, 8977), (88, 9016), (90, 9028), (92, 9043), (101, 9100), (103, 9115), (110, 9139), (114, 9169),

Gene: Tachez_18 Start: 10467, Stop: 11081, Start Num: 18
Candidate Starts for Tachez_18:
(Start: 18 @10467 has 110 MA's), (34, 10512), (51, 10635), (57, 10689), (63, 10746), (67, 10761), (77, 10845), (79, 10851), (88, 10890), (90, 10902), (94, 10929), (101, 10974), (103, 10989), (110, 11013),

Gene: Taheera_13 Start: 9846, Stop: 10466, Start Num: 21
Candidate Starts for Taheera_13:
(Start: 21 @9846 has 162 MA's), (37, 9921), (52, 10035), (63, 10131), (67, 10146), (69, 10161), (71, 10191), (77, 10230), (82, 10254), (85, 10263), (88, 10275), (95, 10326), (96, 10332), (100, 10356), (103, 10374), (110, 10398),

Gene: TaiwanKao_19 Start: 10474, Stop: 11088, Start Num: 18
Candidate Starts for TaiwanKao_19:
(Start: 18 @10474 has 110 MA's), (34, 10519), (51, 10642), (57, 10696), (63, 10753), (67, 10768), (77, 10852), (79, 10858), (88, 10897), (90, 10909), (94, 10936), (101, 10981), (103, 10996), (110, 11020), (119, 11077),

Gene: Taquito_17 Start: 11314, Stop: 11925, Start Num: 21
Candidate Starts for Taquito_17:
(Start: 21 @11314 has 162 MA's), (38, 11380), (40, 11386), (44, 11434), (52, 11491), (53, 11497), (56, 11518), (57, 11530), (63, 11587), (67, 11602), (69, 11617), (77, 11686), (79, 11692), (92, 11758), (101, 11815), (103, 11830), (110, 11854), (114, 11884),

Gene: Teejan_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for Teejan_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: Terralys_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Terralys_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Terror_13 Start: 9846, Stop: 10466, Start Num: 21
Candidate Starts for Terror_13:

(Start: 21 @9846 has 162 MA's), (37, 9921), (52, 10035), (63, 10131), (67, 10146), (69, 10161), (71, 10191), (77, 10230), (82, 10254), (85, 10263), (88, 10275), (95, 10326), (96, 10332), (100, 10356), (103, 10374), (110, 10398),

Gene: Thyatira_16 Start: 10529, Stop: 11140, Start Num: 21
Candidate Starts for Thyatira_16:
(Start: 21 @10529 has 162 MA's), (34, 10574), (41, 10616), (57, 10751), (63, 10808), (67, 10823), (69, 10838), (77, 10907), (79, 10913), (88, 10952), (90, 10964), (92, 10979), (98, 11018), (101, 11036), (103, 11051), (110, 11075), (114, 11105),

Gene: Tierra_17 Start: 10220, Stop: 10834, Start Num: 18
Candidate Starts for Tierra_17:
(Start: 18 @10220 has 110 MA's), (24, 10232), (34, 10265), (57, 10442), (63, 10499), (67, 10514), (69, 10529), (71, 10559), (77, 10598), (79, 10604), (94, 10682), (103, 10742), (111, 10769),

Gene: Tigress9_17 Start: 9483, Stop: 10097, Start Num: 18
Candidate Starts for Tigress9_17:
(Start: 18 @9483 has 110 MA's), (34, 9528), (57, 9705), (63, 9762), (67, 9777), (69, 9792), (71, 9822), (77, 9861), (79, 9867), (103, 10005), (111, 10032), (115, 10080),

Gene: TinaBug_13 Start: 9849, Stop: 10463, Start Num: 21
Candidate Starts for TinaBug_13:
(Start: 21 @9849 has 162 MA's), (34, 9894), (37, 9918), (51, 10017), (52, 10032), (63, 10128), (67, 10143), (69, 10158), (70, 10167), (71, 10188), (77, 10227), (82, 10251), (85, 10260), (88, 10272), (96, 10329), (101, 10356), (103, 10371), (110, 10395),

Gene: TingHuaYa_18 Start: 9532, Stop: 10146, Start Num: 21
Candidate Starts for TingHuaYa_18:
(Start: 21 @9532 has 162 MA's), (34, 9577), (52, 9715), (57, 9754), (63, 9811), (69, 9841), (71, 9871), (77, 9910), (79, 9916), (88, 9955), (101, 10039), (110, 10078), (114, 10108), (115, 10129),

Gene: TiniBug_18 Start: 10446, Stop: 11060, Start Num: 18
Candidate Starts for TiniBug_18:
(Start: 18 @10446 has 110 MA's), (25, 10464), (34, 10491), (57, 10668), (63, 10725), (67, 10740), (69, 10755), (71, 10785), (77, 10824), (79, 10830), (88, 10869), (90, 10881), (94, 10908), (101, 10953), (103, 10968), (110, 10992),

Gene: Tiri_18 Start: 10513, Stop: 11127, Start Num: 18
Candidate Starts for Tiri_18:
(Start: 18 @10513 has 110 MA's), (34, 10558), (51, 10681), (57, 10735), (63, 10792), (67, 10807), (77, 10891), (79, 10897), (88, 10936), (90, 10948), (94, 10975), (101, 11020), (103, 11035), (110, 11059),

Gene: TomBrady_13 Start: 9855, Stop: 10469, Start Num: 21
Candidate Starts for TomBrady_13:
(Start: 21 @9855 has 162 MA's), (34, 9900), (37, 9924), (48, 10002), (51, 10023), (52, 10038), (63, 10134), (67, 10149), (70, 10173), (71, 10194), (77, 10233), (82, 10257), (85, 10266), (88, 10278), (96, 10335), (101, 10362), (103, 10377), (110, 10401),

Gene: Topper_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Topper_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Torres_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for Torres_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: TreyKay_18 Start: 10468, Stop: 11082, Start Num: 18
Candidate Starts for TreyKay_18:
(Start: 18 @10468 has 110 MA's), (34, 10513), (51, 10636), (57, 10690), (63, 10747), (67, 10762), (77, 10846), (79, 10852), (88, 10891), (90, 10903), (101, 10975), (103, 10990), (110, 11014), (119, 11071),

Gene: TribleTrouble_16 Start: 10378, Stop: 10989, Start Num: 21
Candidate Starts for TribleTrouble_16:
(Start: 21 @10378 has 162 MA's), (34, 10423), (57, 10600), (63, 10657), (67, 10672), (71, 10717), (77, 10756), (79, 10762), (80, 10765), (90, 10813), (92, 10828), (101, 10885), (103, 10900), (110, 10924),

Gene: Trice_14 Start: 9777, Stop: 10388, Start Num: 18
Candidate Starts for Trice_14:
(Start: 18 @9777 has 110 MA's), (27, 9798), (34, 9819), (51, 9942), (52, 9957), (57, 9996), (63, 10053), (67, 10068), (71, 10113), (77, 10152), (79, 10158), (88, 10197), (90, 10209), (101, 10281), (103, 10296), (110, 10320), (114, 10350),

Gene: TruffulaTree_18 Start: 10501, Stop: 11115, Start Num: 18
Candidate Starts for TruffulaTree_18:
(Start: 18 @10501 has 110 MA's), (34, 10546), (51, 10669), (57, 10723), (63, 10780), (67, 10795), (77, 10879), (79, 10885), (88, 10924), (90, 10936), (94, 10963), (101, 11008), (103, 11023), (110, 11047), (119, 11104),

Gene: Twitch_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Twitch_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (51, 10709), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: Typha_19 Start: 12547, Stop: 13128, Start Num: 30
Candidate Starts for Typha_19:
(Start: 13 @12487 has 1 MA's), (23, 12517), (Start: 30 @12547 has 7 MA's), (39, 12592), (59, 12763), (68, 12814), (69, 12826), (71, 12856), (88, 12940), (93, 12970), (101, 13024), (116, 13117),

Gene: Unicorn_17 Start: 9556, Stop: 10170, Start Num: 18
Candidate Starts for Unicorn_17:
(Start: 18 @9556 has 110 MA's), (24, 9568), (34, 9601), (57, 9778), (63, 9835), (67, 9850), (69, 9865), (71, 9895), (77, 9934), (79, 9940), (90, 9991), (94, 10018), (103, 10078), (111, 10105),

Gene: Urkel_18 Start: 10446, Stop: 11060, Start Num: 18
Candidate Starts for Urkel_18:
(Start: 18 @10446 has 110 MA's), (25, 10464), (34, 10491), (57, 10668), (63, 10725), (67, 10740), (69, 10755), (71, 10785), (77, 10824), (79, 10830), (88, 10869), (90, 10881), (94, 10908), (101, 10953), (103, 10968), (110, 10992),

Gene: Validus_18 Start: 9492, Stop: 10103, Start Num: 21
Candidate Starts for Validus_18:

(Start: 21 @9492 has 162 MA's), (34, 9534), (43, 9603), (44, 9615), (52, 9672), (57, 9711), (63, 9768), (67, 9783), (71, 9828), (77, 9867), (79, 9873), (80, 9876), (88, 9912), (92, 9939), (101, 9996), (111, 10038),

Gene: Veliki_18 Start: 10544, Stop: 11155, Start Num: 18
Candidate Starts for Veliki_18:
(Start: 18 @10544 has 110 MA's), (34, 10586), (57, 10763), (63, 10820), (67, 10835), (77, 10919), (79, 10925), (88, 10964), (90, 10976), (94, 11003), (101, 11048), (103, 11063), (110, 11087), (119, 11144),

Gene: ViviJ_15 Start: 10385, Stop: 10996, Start Num: 21
Candidate Starts for ViviJ_15:
(Start: 21 @10385 has 162 MA's), (34, 10430), (57, 10607), (63, 10664), (67, 10679), (69, 10694), (77, 10763), (79, 10769), (88, 10808), (92, 10835), (101, 10892), (103, 10907), (110, 10931), (114, 10961),

Gene: Waterfoul_16 Start: 10551, Stop: 11162, Start Num: 21
Candidate Starts for Waterfoul_16:
(Start: 21 @10551 has 162 MA's), (34, 10596), (41, 10638), (57, 10773), (63, 10830), (67, 10845), (69, 10860), (77, 10929), (79, 10935), (88, 10974), (90, 10986), (92, 11001), (98, 11040), (101, 11058), (103, 11073), (110, 11097), (114, 11127),

Gene: Wendigo_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Wendigo_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: Wintermute_19 Start: 11716, Stop: 12327, Start Num: 21
Candidate Starts for Wintermute_19:
(Start: 21 @11716 has 162 MA's), (38, 11782), (40, 11788), (44, 11836), (52, 11893), (53, 11899), (56, 11920), (57, 11932), (63, 11989), (67, 12004), (77, 12088), (79, 12094), (88, 12133), (90, 12145), (92, 12160), (101, 12217), (103, 12232), (110, 12256), (114, 12286),

Gene: Ximenita_18 Start: 9678, Stop: 10292, Start Num: 18
Candidate Starts for Ximenita_18:
(Start: 18 @9678 has 110 MA's), (34, 9723), (57, 9900), (63, 9957), (67, 9972), (69, 9987), (71, 10017), (77, 10056), (79, 10062), (90, 10113), (103, 10200), (111, 10227), (115, 10275),

Gene: Y10_19 Start: 11716, Stop: 12327, Start Num: 21
Candidate Starts for Y10_19:
(Start: 21 @11716 has 162 MA's), (38, 11782), (40, 11788), (44, 11836), (52, 11893), (53, 11899), (56, 11920), (57, 11932), (67, 12004), (77, 12088), (79, 12094), (88, 12133), (90, 12145), (92, 12160), (101, 12217), (103, 12232), (110, 12256), (114, 12286),

Gene: Y2_19 Start: 11716, Stop: 12327, Start Num: 21
Candidate Starts for Y2_19:
(Start: 21 @11716 has 162 MA's), (38, 11782), (40, 11788), (44, 11836), (52, 11893), (53, 11899), (56, 11920), (57, 11932), (67, 12004), (77, 12088), (79, 12094), (88, 12133), (90, 12145), (92, 12160), (101, 12217), (103, 12232), (110, 12256), (114, 12286),

Gene: YangYin_13 Start: 10149, Stop: 10772, Start Num: 21
Candidate Starts for YangYin_13:
(Start: 21 @10149 has 162 MA's), (25, 10176), (37, 10227), (44, 10284), (51, 10326), (52, 10341), (63, 10437), (67, 10452), (70, 10476), (71, 10497), (77, 10536), (82, 10560), (92, 10608), (96, 10638), (103,

10680), (110, 10704),

Gene: YasnayaPolyana_19 Start: 11717, Stop: 12328, Start Num: 21
Candidate Starts for YasnayaPolyana_19:
(Start: 21 @11717 has 162 MA's), (38, 11783), (40, 11789), (44, 11837), (52, 11894), (53, 11900), (56, 11921), (57, 11933), (63, 11990), (67, 12005), (77, 12089), (79, 12095), (88, 12134), (90, 12146), (92, 12161), (101, 12218), (103, 12233), (110, 12257), (114, 12287),

Gene: YoureAdopted_17 Start: 10477, Stop: 11088, Start Num: 18
Candidate Starts for YoureAdopted_17:
(Start: 18 @10477 has 110 MA's), (34, 10519), (51, 10642), (57, 10696), (63, 10753), (67, 10768), (77, 10852), (79, 10858), (88, 10897), (90, 10909), (94, 10936), (101, 10981), (103, 10996), (110, 11020), (119, 11077),

Gene: Yuna_18 Start: 9613, Stop: 10227, Start Num: 21
Candidate Starts for Yuna_18:
(Start: 21 @9613 has 162 MA's), (34, 9658), (57, 9835), (63, 9892), (69, 9922), (71, 9952), (77, 9991), (79, 9997), (88, 10036), (90, 10048), (99, 10114), (110, 10159), (114, 10189), (115, 10210),

Gene: Yunkel11_18 Start: 9455, Stop: 10069, Start Num: 21
Candidate Starts for Yunkel11_18:
(Start: 21 @9455 has 162 MA's), (52, 9638), (57, 9677), (63, 9734), (69, 9764), (71, 9794), (77, 9833), (79, 9839), (88, 9878), (90, 9890), (101, 9962), (110, 10001), (114, 10031), (115, 10052),

Gene: Zabiza_18 Start: 10502, Stop: 11116, Start Num: 18
Candidate Starts for Zabiza_18:
(Start: 18 @10502 has 110 MA's), (34, 10547), (51, 10670), (57, 10724), (63, 10781), (67, 10796), (77, 10880), (79, 10886), (88, 10925), (90, 10937), (94, 10964), (101, 11009), (103, 11024), (110, 11048), (119, 11105),

Gene: Zavala_18 Start: 10483, Stop: 11097, Start Num: 18
Candidate Starts for Zavala_18:
(Start: 18 @10483 has 110 MA's), (34, 10528), (51, 10651), (57, 10705), (63, 10762), (67, 10777), (77, 10861), (79, 10867), (88, 10906), (90, 10918), (94, 10945), (101, 10990), (103, 11005), (110, 11029), (119, 11086),

Gene: ZoMa_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for ZoMa_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),

Gene: ZoeJ_14 Start: 8484, Stop: 9104, Start Num: 17
Candidate Starts for ZoeJ_14:
(Start: 17 @8484 has 8 MA's), (34, 8538), (52, 8676), (63, 8772), (67, 8787), (69, 8802), (71, 8832), (77, 8871), (79, 8877), (80, 8880), (88, 8916), (90, 8928), (92, 8943), (101, 9000), (103, 9015), (110, 9039), (117, 9090),

Gene: Zombie_13 Start: 9854, Stop: 10468, Start Num: 21
Candidate Starts for Zombie_13:
(Start: 21 @9854 has 162 MA's), (34, 9899), (37, 9923), (48, 10001), (51, 10022), (52, 10037), (63, 10133), (67, 10148), (70, 10172), (71, 10193), (77, 10232), (82, 10256), (85, 10265), (88, 10277), (96, 10334), (101, 10361), (103, 10376), (110, 10400),