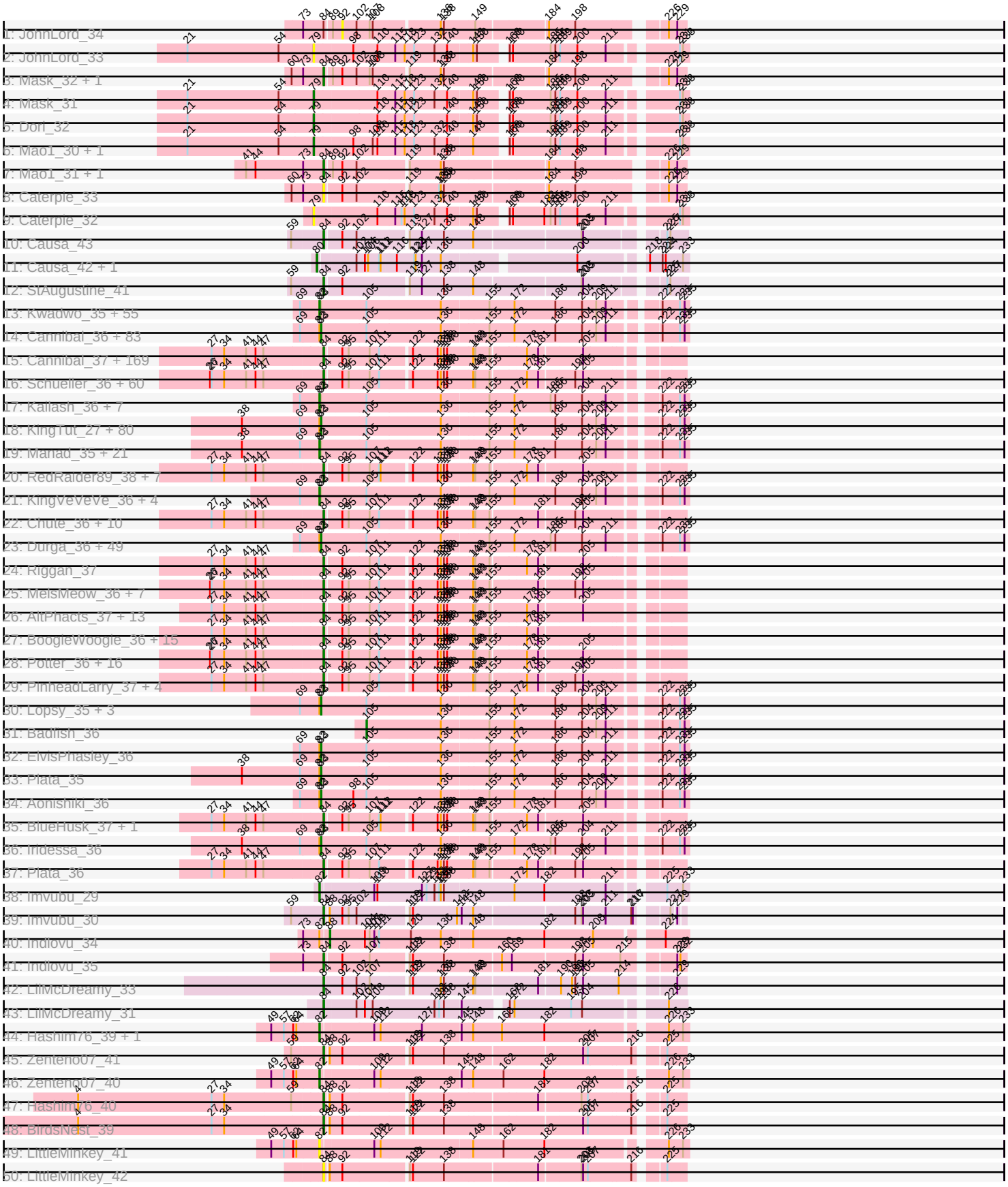
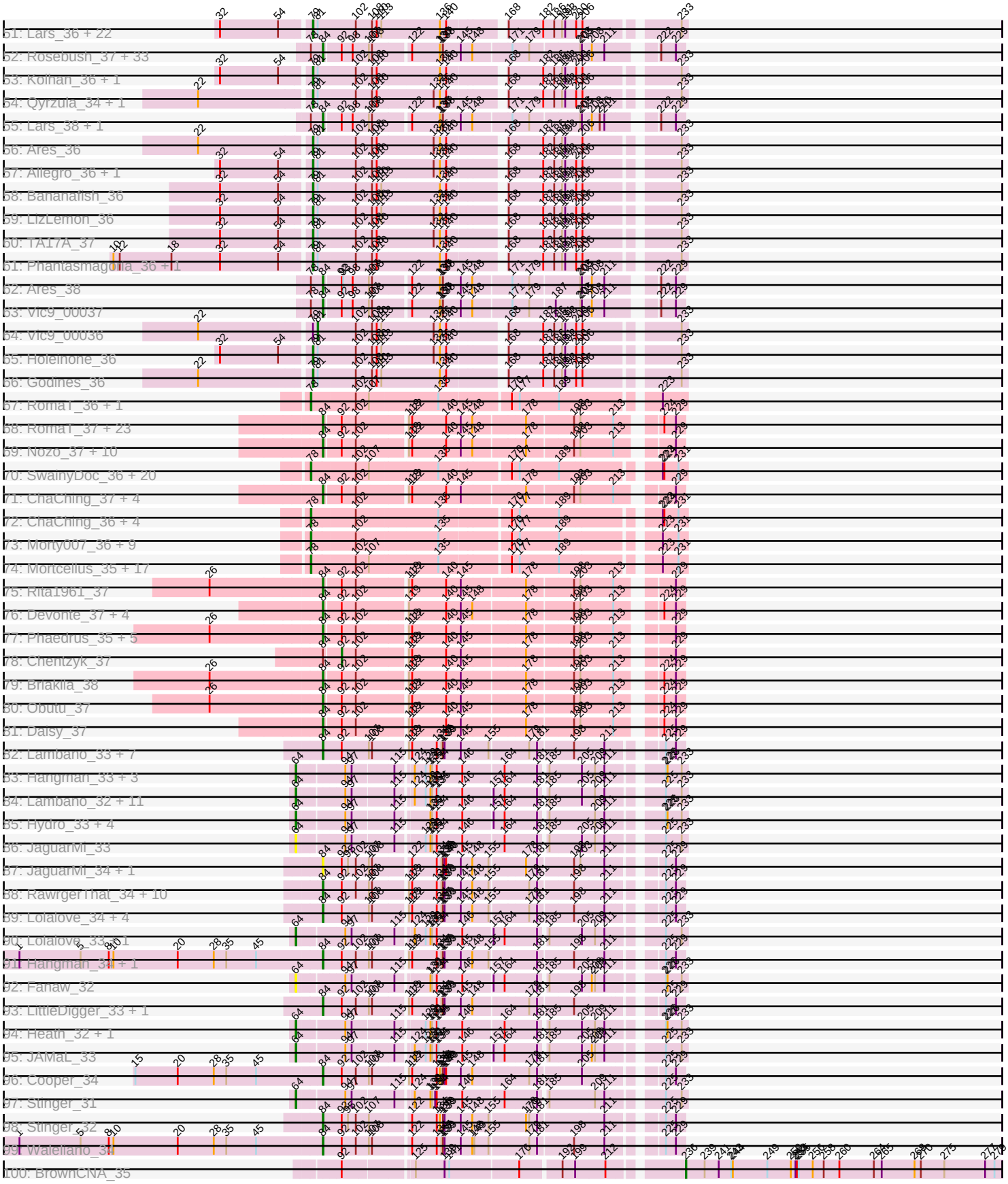
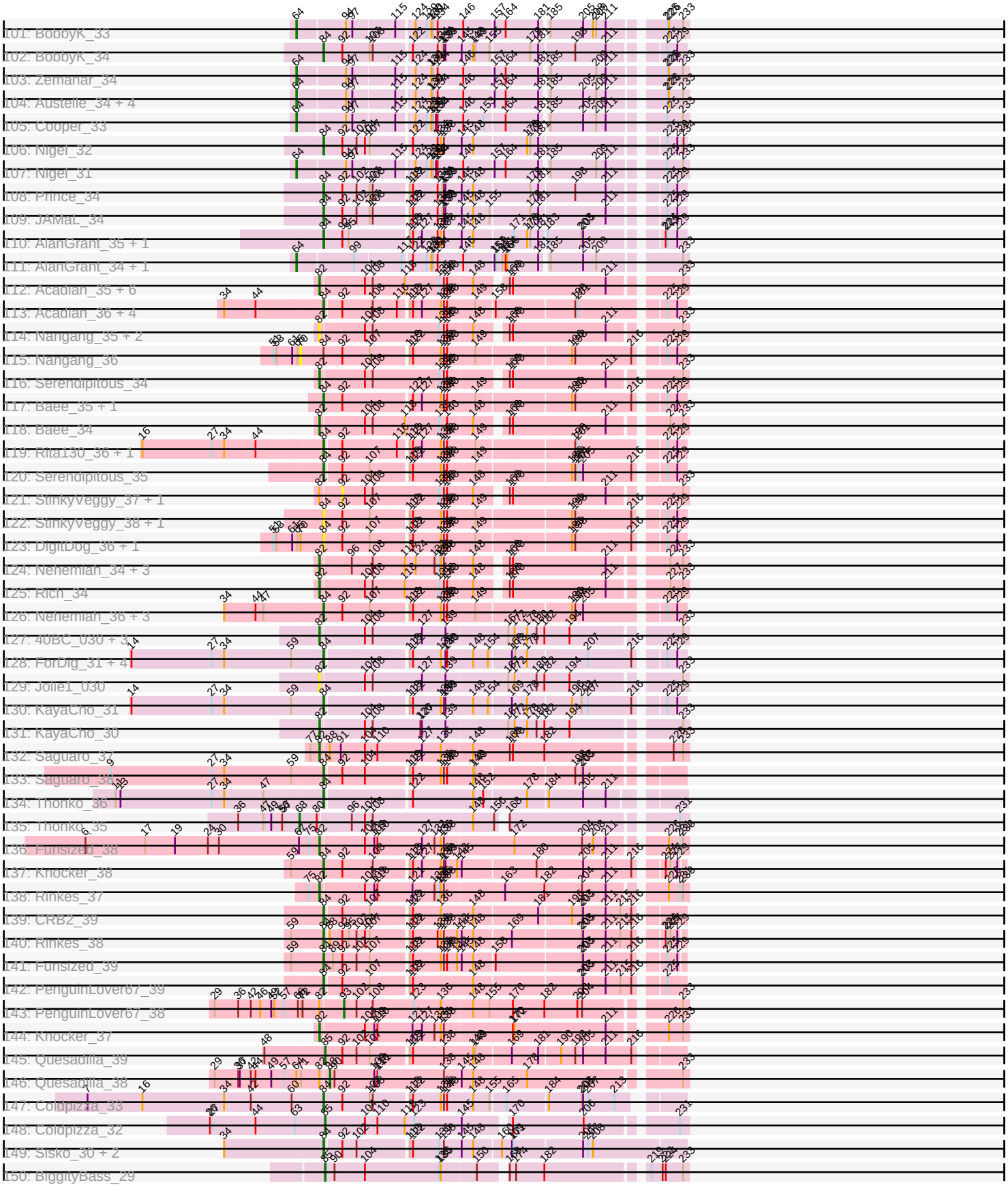
Pham 300901


1: JohnLord_34
2: JohnLord_33
3: Mask_32 + 1
4: Mask_31
5: Don_32
6: Mao1_30 + 1
7: Mao1_31 + 1
8: Caterpie_33
9: Caterpie_32
10: Causa_43
11: Causa_42 + 1
12: StAugustine_41
13: Kwadwo_35 + 55
14: Cannibal_36 + 83
15: Cannibal_37 + 169
16: Schueller_36 + 60
17: Kailash_36 + 7
18: KingTut_27 + 80
19: Manad_35 + 21
20: RedRaider89_38 + 7
21: KingVeVeVe_36 + 4
22: Chute_36 + 10
23: Durga_36 + 49
24: Riggan_37
25: MeisMeow_36 + 7
26: AltPhacts_37 + 13
27: BoogieWoogie_36 + 15
28: Potter_36 + 16
29: PinheadLarry_37 + 4
30: Lopsy_35 + 3
31: Badfish_36
32: ElvisPhasley_36
33: Plata_35
34: Aonishiki_36
35: BlueHusk_37 + 1
36: Indessa_36
37: Plata_36
38: Imvubu_29
39: Imvubu_30
40: Indiovu_34
41: Indiovu_35
42: LilMcDreamy_33
43: LilMcDreamy_31
44: Hashim76_39 + 1
45: Zenteno07_41
46: Zenteno07_40
47: Hashim76_40
48: BirdsNest_39
49: LittleMinkey_41
50: LittleMinkey_42

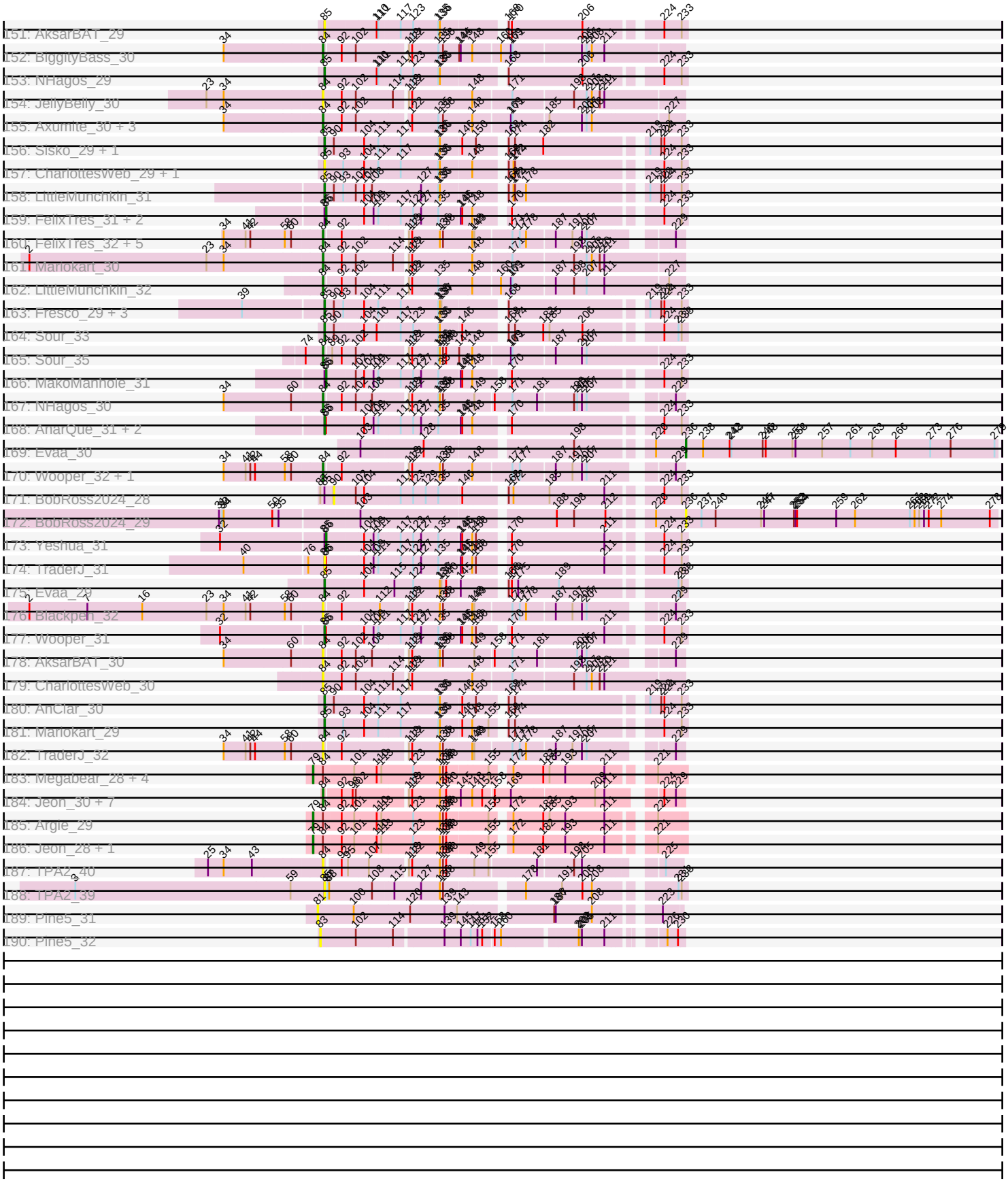
Pham 300901


51: Lars_36 + 22
52: Rosebush_37 + 33
53: Kolhan_36 + 1
54: Qyrzula_34 + 1
55: Lars_38 + 1
56: Ares_36
57: Allegro_36 + 1
58: Bananafish_36
59: LizLemon_36
60: TA17A_37
61: Phantasmagoria_36 + 1
62: Ares_38
63: Vic9_00037
64: Vic9_00036
65: Holeinone_36
66: Godines_36
67: RomaT_36 + 1
68: RomaT_37 + 23
69: Nozo_37 + 10
70: SwainyDoc_36 + 20
71: ChaChing_37 + 4
72: ChaChing_36 + 4
73: Monty007_36 + 9
74: Montcellus_35 + 17
75: Rita1961_37
76: Devonte_37 + 4
77: Phaedrus_35 + 5
78: Chentzyk_37
79: Briakila_38
80: Obutu_37
81: Daisy_37
82: Lambano_33 + 7
83: Hangman_33 + 3
84: Lambano_32 + 11
85: Hydro_33 + 4
86: JaguarMI_33
87: JaguarMI_34 + 1
88: RawrgerThat_34 + 10
89: Lolalove_34 + 4
90: Lolalove_33 + 1
91: Hangman_34 + 1
92: Fanaw_32
93: LittleDigger_33 + 1
94: Heath_32 + 1
95: JAMaL_33
96: Cooper_34
97: Stinger_31
98: Stinger_32
99: Waleliano_34
100: BrownCNA_35

Pham 300901


I01: BobbyK_33
I02: BobbyK_34
I03: Zemanar_34
I04: Austelle_34 + 4
I05: Cooper_33
I06: Nigel_32
I07: Nigel_31
I08: Prince_34
I09: JAMaL_34
I10: AlanGrant_35 + 1
I11: AlanGrant_34 + 1
I12: Acadian_35 + 6
I13: Acadian_36 + 4
I14: Nangang_35 + 2
I15: Nangang_36
I16: Serendipitous_34
I17: Baee_35 + 1
I18: Baee_34
I19: Rita130_36 + 1
I20: Serendipitous_35
I21: StinkyVeggy_37 + 1
I22: StinkyVeggy_38 + 1
I23: DigitDog_36 + 1
I24: Nehemiah_34 + 3
I25: Rich_34
I26: Nehemiah_36 + 3
I27: 40BC_030 + 3
I28: ForDig_31 + 4
I29: Jolie1_030
I30: KayaCho_31
I31: KayaCho_30
I32: Saguaro_37
I33: Saguaro_38
I34: Thonko_36
I35: Thonko_35
I36: Funsized_38
I37: Knocker_38
I38: Rinkes_37
I39: CRB2_39
I40: Rinkes_38
I41: Funsized_39
I42: PenguinLover67_39
I43: PenguinLover67_38
I44: Knocker_37
I45: Quesadilla_39
I46: Quesadilla_38
I47: Coldpizza_33
I48: Coldpizza_32
I49: Sisko_30 + 2
I50: BiggityBass_29

Pham 300901


151: AksarBAT_29
152: BiggityBass_30
153: NHagos_29
154: JellyBelly_30
155: Axumite_30 + 3
156: Sisko_29 + 1
157: CharlottesWeb_29 + 1
158: LittleMunchkin_31
159: FelixTres_31 + 2
160: FelixTres_32 + 5
161: Mariokart_30
162: LittleMunchkin_32
163: Fresco_29 + 3
164: Sour_33
165: Sour_35
166: MakoManhole_31
167: NHagos_30
168: AnarQue_31 + 2
169: Evaa_30
170: Wooper_32 + 1
171: BobRoss2024_28
172: BobRoss2024_29
173: Yeshua_31
174: TraderJ_31
175: Evaa_29
176: Blackpen_32
177: Wooper_31
178: AksarBAT_30
179: CharlottesWeb_30
180: AnClar_30
181: Mariokart_29
182: TraderJ_32
183: Megabear_28 + 4
184: Jeon_30 + 7
185: Argie_29
186: Jeon_28 + 1
187: TPA2_40
188: TPA2_39
189: Pine5_31
190: Pine5_32

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 300901 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300901 has 1068 members, 136 are drafts.

Phages represented in each track:
• Track 1 : JohnLord_34
• Track 2 : JohnLord_33
• Track 3 : Mask_32, Dori_33
• Track 4 : Mask_31
• Track 5 : Dori_32
• Track 6 : Mao1_30, Sejanus_31
• Track 7 : Mao1_31, Sejanus_32
• Track 8 : Caterpie_33
• Track 9 : Caterpie_32
• Track 10 : Causa_43
• Track 11 : Causa_42, StAugustine_40
• Track 12 : StAugustine_41
• Track 13 : Kwadwo_35, Mana_35, Fang_36, Swish_36, IsaacEli_36, Scoot17C_36, Lasso_36, Mesh1_36, UAch1_36, MitKao_36, TomBombadil_36, Xavier_35, Megatron_36, FriarPreacher_36, PinheadLarry_36, Harvey_36, Vortex_36, Chah_37, Hertubise_36, QueenBeane_36, Surely_36, Held_36, Chunky_36, Vaticameos_36, Gyarad_0036, YouGoGlencoco_36, Cosmolli16_35, LuckyMarjie_35, TallGrassMM_36, Mosaic_35, Piglet_0035, JacAttac_36, OSmaximus_36, Puhltonio_36, Dione_35, UncleHowie_36, Squid_36, Daffy_36, Phamished_36, Vista_36, ABU_36, Mesmerelda_35, FluffyNinja_36, Serendipity_36, Serpentine_0036, Murdoc_36, Haimas_36, Sophia_35, Nicole21_36, ThreeOh3D2_36, Kikipoo_36, CamL_36, Yoshand_36, Magic8_36, Gareth_35, Waterdiva_36
• Track 14 : Cannibal_36, Schueller_35, Morgushi_36, Freya_35, Olak_35, Childish_35, BlackStallion_36, Mcshane_35, LostAndPhound_35, Mecca_35, Samaymay_36, Haleema_35, Timmi_35, Bishoperium_35, Orion_36, Potter_35, PhrodoBaggins_35, PallasAthena_36, Phareon_36, FremontTroll_36, Pacifista_35, Fozzie_35, Omniscient_36, Banjo_35, Iridoclysis_36, AngelCake_36, Adriana_36, Lego3393_36, Kimbrough_36, Lumine_35, LeeLot_36, Oosterbaan_36, Matalotodo_36, Sigman_36, LeiMonet_36, Inverness_36, Nova1_35, Eugenia_36, LemonSlice_36, DonSanchon_35, Nathan_36, Thora_36, HighStump_35, Dice_35, Cher_35, Boehler_36, Pherdinand_36, Gwilliam_36, Katniss_36, True_35, Newman_36, PhatCats2014_36, Simielle_35, Morty_36, PG1_36, Phunky_36, Legolas_35, SallyH_36, NiaNia_37, MRabcd_35, Toni_35, Hetaeria_36, Hamish_36, Mutante_35, Placalicious_35, Happabalu_36, Jesabah_36, DelRivs_35, Gwennie1_36, SassyCat97_35, Chorkpop_36, Solosis_35, Scrick_36, Maru_35, Inchworm_36, Selr12_36, Ricotta_35, Orfeu_35, Soile_36, Squiggle_36, Mulan_35,

Taraxa_35, FugateOSU_35, Chipette_37
• Track 15 : Cannibal_37, KingTut_28, Manad_36, Mana_36, Morgushi_37, IsaacEli_37, Freya_36, Olak_36, Giraffe_37, Childish_36, Scoot17C_37, BlackStallion_37, Waterdiva_37, Puhltonio_37, Lasso_37, Mcshane_36, UAch1_37, Mecca_36, Samaymay_37, Schadenfreude_36, Haleema_36, Scrick_37, Timmi_36, TomBombadil_37, Bishoperium_36, Craff_37, Phipps_37, Altwerkus_36, Lulwa_37, Hetaeria_37, PhrodoBaggins_36, Megatron_37, FriarPreacher_37, LeeLot_37, Kwadwo_36, Murdoc_37, DolOn_38, Podrick_37, Bluephacebaby_36, Lopsy_36, Harvey_37, Anderson_37, SassyCat97_36, Vortex_37, Chah_38, Hertubise_37, RedMaple_36, Telesworld_36, QueenBeane_37, Fozzie_36, Banjo_36, Fang_37, Phareon_37, Badfish_37, Fringe_37, Adriana_37, Lego3393_37, Kimbrough_37, Lumine_36, Oosterbaan_37, Pops_37, Nyala_36, Matalotodo_37, Sigman_37, Triad_37, Kahve_36, SilverBell_37, Pacifista_36, YouGoGlencoco_37, Zelda_37, Cosmolli16_36, LemonSlice_37, Usavi_37, DonSanchon_36, Legolas_36, LuckyMarjie_36, Thora_37, Mesh1_37, Eremos_37, Apizium_36, Beaglebox_36, Daka_37, Dice_36, Cher_36, Carthage_35, JacAttac_37, OSmaximus_37, Dione_36, Eugenia_37, Daffy_37, Skippy_37, Katniss_37, Squiggle_37, Antonia_36, Plmatters_37, True_36, PG1_37, Gophee_37, Kloppinator_37, Lehmann_37, PhatCats2014_37, HenryJackson_36, Squid_37, Morty_37, CamL_37, Phunky_37, Cornobble_36, FugateOSU_36, ABU_37, Numberten_37, Vaishali24_36, Tooj_37, Colbert_37, SallyH_37, Nathan_37, NiaNia_38, Mesmerelda_36, FluffyNinja_37, Aonishiki_37, HighStump_36, Vivaldi_37, Mutante_36, Orfeu_36, Serendipity_37, Hamish_37, Andre_37, TallGrassMM_37, CharlieGBrown_36, Placalicious_36, Haimas_37, Suffolk_37, ShadowBud_37, Xavier_36, FremontTroll_37, Jillium_36, Sophia_36, Grand2040_36, Surely_37, Slatt_37, Vista_37, Jesabah_37, Solosis_36, Virapocalypse_37, Maru_36, ThreeOh3D2_37, Kikipoo_37, Aelin_36, Burr_36, Yoshand_37, Selr12_37, UncleHowie_37, Iridoclysis_37, Ricotta_36, Prickles_37, Pherdinand_37, Riverton_37, JangoPhett_37, Boehler_37, Phamished_37, DoesntMatter_37, KLucky39_37, Pipsqueak_37, Zaider_38, Buckeye_37, Swish_37, Omniscient_37, Gareth_36, Quisquiliae_37, Robyn_36, Orion_37
• Track 16 : Schueller_36, Kailash_37, BatteryCK_36, DaddyDaniels_37, Durga_37, Ashraf_36, Emiris_37, Jiraiya_36, Cobra_37, JDog_36, Doddsville_37, Kwksand96_36, CampRoach_37, GeneCoco_37, Brilliant_37, Jiminy_36, Aleia_37, OneBrain_37, Hekos_34, Iridessa_37, Longacauda_36, Caspiboi_36, Nova1_36, Hartsy_37, Karn_36, Hocus_36, Rimu_37, Veritas_36, Swiphy_37, Etaye_37, Trypo_37, JakeO_36, Struggle_36, Pinkman_36, Cornbread_36, ImtiyazSitla_36, PhatLouie_37, PhrankReynolds_36, Khan1_37, Labeouficaum_36, Chuni_36, DelRivs_36, Gwennie1_37, PhenghisKhan_36, PallasAthena_37, DuchessDung_35, Phleuron_36, Phergie_36, MrPhizzler_37, Mag7_36, Soile_37, Maskar_36, Derpp_36, TyrionL_36, Zonia_37, Thunderbird_36, LasagnaCat_37, Taraxa_36, Wallhey_36, Duggie_36, MichaelPhcott_36
• Track 17 : Kailash_36, Cobra_36, GeneCoco_36, Derpp_35, Wallhey_35, Hocus_35, TyrionL_35, MichaelPhcott_35
• Track 18 : KingTut_27, RedRaider89_37, Chute_35, CheetO_36, Sheila_36, DolOn_37, Aelin_35, Lulumae_35, AltPhacts_36, Phipps_36, BoogieWoogie_35, Lulwa_36, Dingo_36, HenryJackson_35, Podrick_36, Beaglebox_35, Robyn_35, GreenChile_36, Bluephacebaby_35, ProfessorX_36, Quisquiliae_36, Chaelin_36, Anderson_36, Tomlarah_36, Orwigg_35, Charles1_36, RedMaple_35, SirBeauregard_36, Pops_36, DirtJuice_36, Nyala_35, Triad_36, Kahve_35, SilverBell_36, Zelda_36, Basato_37, Frankicide_36, Schadenfreude_35, Skippy_36, Coletti_36, Plmatters_36, Megamind20_36, Lehmann_36, Soto_36, Zaider_37, Roscoe_37, Cornobble_35, Fringe_36, Numberten_36, Vaishali24_35, TooFast2Furius_37, Windsor_35, Kloppinator_36, Virgeve_35, BlueHusk_36,

HSavage_36, Andre_36, Roy17_36, Flake_36, KlimbOn_36, Suffolk_36, Mikota_36, ShadowBud_36, Larson_37, OliverWalter_36, Slatt_36, Virapocalypse_36, Crownjwl_36, Burr_35, BlacksBerry_35, Valjean_36, Olive_36, MiniBoss_36, Prickles_36, Riverton_36, Horchata_36, FleetyMac_35, DoesntMatter_36, Gophee_36, Pipsqueak_36, Buckeye_36
• Track 19 : Manad_35, Riggan_36, Craff_36, ShiVal_36, Roliet_36, Telesworld_35, EmpTee_36, Apizium_35, Altwerkus_35, Carthage_34, Antonia_35, JakeO_35, Keitherie_36, Vivaldi_36, Nacho_0036, CharlieGBrown_35, Spartan300_36, Jillium_35, JangoPhett_36, KLucky39_36, AbsoluteMadLad_35, SDcharge11_36
• Track 20 : RedRaider89_38, Dingo_37, CheetO_37, Basato_38, Sheila_37, OliverWalter_37, AbsoluteMadLad_36, Mikota_37
• Track 21 : KingVeVeVe_36, Eremos_36, Daka_36, Colbert_36, Grand2040_35
• Track 22 : Chute_36, Chaelin_37, SirBeauregard_37, Coletti_37, Windsor_36, Keitherie_37, Virgeve_36, Flake_37, Larson_38, BlacksBerry_36, FleetyMac_36
• Track 23 : Durga_36, MelsMeow_35, Ashraf_35, Labeouficaum_35, Emiris_36, Swiphy_36, Kwksand96_35, CampRoach_36, Brilliant_36, Jiminy_35, OneBrain_36, Hekos_33, Longacauda_35, Aleia_36, Mag7_35, Hartsy_36, Caspiboi_35, Cornbread_35, HogWash_35, LasagnaCat_36, Veritas_35, Etaye_36, Doddsville_36, Trypo_36, Struggle_35, Weher20_36, Pinkman_35, PhrankReynolds_35, Melc17_36, Khan1_36, Jiraiya_35, Chuni_35, Phergie_35, Karn_35, Rimu_36, PhenghisKhan_35, DuchessDung_34, Phleuron_35, Dati_36, MrPhizzler_36, DaddyDaniels_36, BatteryCK_35, Oline_35, Maskar_35, ImtiyazSitla_35, PhatLouie_36, Zonia_36, Thunderbird_35, Duggie_35, JDog_35
• Track 24 : Riggan_37
• Track 25 : MelsMeow_36, ElvisPhasley_37, Weher20_37, Happabalu_37, Melc17_37, Dati_37, Oline_36, HogWash_36
• Track 26 : AltPhacts_37, GreenChile_37, Roliet_37, KingVeVeVe_37, Horchata_37, Frankicide_37, Soto_37, TooFast2Furius_38, Nacho_0037, Crownjwl_37, HSavage_37, DirtJuice_37, KlimbOn_37, SDcharge11_37
• Track 27 : BoogieWoogie_36, ProfessorX_37, Tomlarah_37, Megamind20_37, EmpTee_37, ShiVal_37, Charles1_37, Simielle_36, Roscoe_38, Toni_36, Lulumae_36, Roy17_37, Spartan300_37, Valjean_37, Olive_37, Orwigg_36
• Track 28 : Potter_36, Held_37, Chunky_37, LeiMonet_37, Gyarad_0037, Inverness_37, LostAndPhound_36, Gwilliam_37, Newman_37, Piglet_0036, MRabcd_36, Mosaic_36, MitKao_37, Serpentine_0037, Chorkpop_37, Mulan_36, Chipette_38
• Track 29 : PinheadLarry_37, Nicole21_37, Inchworm_37, AngelCake_37, Magic8_37
• Track 30 : Lopsy_35, Tooj_36, Giraffe_36, Usavi_36
• Track 31 : Badfish_36
• Track 32 : ElvisPhasley_36
• Track 33 : Plata_35
• Track 34 : Aonishiki_36
• Track 35 : BlueHusk_37, MiniBoss_37
• Track 36 : Iridessa_36
• Track 37 : Plata_36
• Track 38 : Imvubu_29
• Track 39 : Imvubu_30
• Track 40 : Indlovu_34
• Track 41 : Indlovu_35
• Track 42 : LilMcDreamy_33
• Track 43 : LilMcDreamy_31
• Track 44 : Hashim76_39, BirdsNest_38

• Track 45 : Zenteno07_41
• Track 46 : Zenteno07_40
• Track 47 : Hashim76_40
• Track 48 : BirdsNest_39
• Track 49 : LittleMinkey_41
• Track 50 : LittleMinkey_42
• Track 51 : Lars_36, Rosebush_36, Kaleb_36, West99_36, PrinceCharming_36, Coffee_36, Glass_36, LilSmirk_36, Sabella_36, Boyle_36, Kheth_36, Hedgerow_36, Opia_36, Blocker23_36, Arbiter_36, ItsyBitsy1_36, Lephleur_36, Tres_36, FrenchFry_36, Calamitous_36, Rhinoforte_36, Tinciduntsolum_37, Brownie5_36
• Track 52 : Rosebush_37, Kaleb_38, Kolhan_38, Qyrzula_35, Glass_38, Holeinone_38, Opia_38, Allegro_38, Sabella_37, Bananafish_38, Boyle_38, Eaglehorse_38, Hedgerow_38, Coffee_38, Blocker23_38, ItsyBitsy1_38, Arbiter_37, TA17A_39, MasterPo_38, Lephleur_38, FrenchFry_38, Calamitous_38, West99_38, Rhinoforte_38, Phantasmagoria_38, Brownie5_38, Laurie_37, LilSmirk_38, Tinciduntsolum_39, PrinceCharming_38, Tres_38, Faze9_37, Godines_38, Kheth_38
• Track 53 : Kolhan_36, MasterPo_36
• Track 54 : Qyrzula_34, Laurie_36
• Track 55 : Lars_38, LizLemon_38
• Track 56 : Ares_36
• Track 57 : Allegro_36, Eaglehorse_36
• Track 58 : Bananafish_36
• Track 59 : LizLemon_36
• Track 60 : TA17A_37
• Track 61 : Phantasmagoria_36, Faze9_36
• Track 62 : Ares_38
• Track 63 : Vic9_00037
• Track 64 : Vic9_00036
• Track 65 : Holeinone_36
• Track 66 : Godines_36
• Track 67 : RomaT_36, Daisy_36
• Track 68 : RomaT_37, Jackstina_34, Mortcellus_36, Yahalom_37, SlippinJimmy_37, Casbah_36, Mulaychimus_37, Marley1013_37, Phlyer_37, Gervas_37, TinyTerror_37, Audrey_37, MmasiCarm_37, Morty007_37, Shenandoah_37, Philly_36, Kronus_36, Pipefish_39, LestyG_37, Compostia_38, Bernardo_37, Corofin_37, Ben11_36, Chalmers_37
• Track 69 : Nozo_37, Glubnar_38, Deenasa_37, Phayeta_38, Tydolla_37, Heathcliff_37, GlenHope_38, Baloo_37, SwainyDoc_37, Neos5_37, OrangeOswald_37
• Track 70 : SwainyDoc_36, Athena_37, Tydolla_36, Heathcliff_36, Devonte_36, Audrey_36, Gervas_36, TinyTerror_36, Chandler_36, LestyG_36, Abinghost_36, Deenasa_36, Shenandoah_36, Baloo_36, RagingRooster_36, Corofin_36, SynergyX_36, Neos5_36, Bernardo_36, OrangeOswald_36, Nozo_36
• Track 71 : ChaChing_37, Athena_38, Olivio_36, Marlia_37, Halfpint_36
• Track 72 : ChaChing_36, Olivio_35, Chentzyk_35, MmasiCarm_36, Halfpint_35
• Track 73 : Morty007_36, Glubnar_37, Marley1013_36, Phaedrus_34, Phayeta_37, Akoma_36, Gadjet_37, Kamiyu_36, HarveySr_36, Yinz_36
• Track 74 : Mortcellus_35, SlippinJimmy_36, Casbah_35, Phlyer_36, GlenHope_37, Obutu_36, Compostia_37, Pipefish_38, Marlia_36, Jackstina_33, Mulaychimus_36, Kronus_35, Briakila_37, Ben11_35, Chalmers_36, Philly_35, Rita1961_36, Yahalom_36
• Track 75 : Rita1961_37

• Track 76 : Devonte_37, Abinghost_37, RagingRooster_37, Chandler_37, SynergyX_37
• Track 77 : Phaedrus_35, Akoma_37, Gadjet_38, Yinz_37, Kamiyu_37, HarveySr_37
• Track 78 : Chentzyk_37
• Track 79 : Briakila_38
• Track 80 : Obutu_37
• Track 81 : Daisy_37
• Track 82 : Lambano_33, GinPorsche_33, Antihero_33, Ahwei_33, Nanao_33, Hally898_33, Epah_33, Poster_33
• Track 83 : Hangman_33, JoyceMaria_33, Waleliano_33, BrownCNA_34
• Track 84 : Lambano_32, GinPorsche_32, LittleDigger_32, Prince_33, Antihero_32, Renkei_32, Ahwei_32, Nanao_32, ChrisnMich_32, Hally898_32, Epah_32, Poster_32
• Track 85 : Hydro_33, Mithril_33, RawrgerThat_33, VioletZ_33, Fortunato_33
• Track 86 : JaguarMi_33
• Track 87 : JaguarMi_34, Xincheng_33
• Track 88 : RawrgerThat_34, Mithril_34, Hydro_34, Austelle_35, Zemanar_35, VioletZ_34, Fortunato_34, Apex_34, Magpie_33, Mudslide_34, Frederick_34
• Track 89 : Lolalove_34, Fanaw_33, Heath_33, QueenPie_33, ChrisnMich_33
• Track 90 : Lolalove_33, Xincheng_32
• Track 91 : Hangman_34, JoyceMaria_34
• Track 92 : Fanaw_32
• Track 93 : LittleDigger_33, Renkei_33
• Track 94 : Heath_32, QueenPie_32
• Track 95 : JAMaL_33
• Track 96 : Cooper_34
• Track 97 : Stinger_31
• Track 98 : Stinger_32
• Track 99 : Waleliano_34
• Track 100 : BrownCNA_35
• Track 101 : BobbyK_33
• Track 102 : BobbyK_34
• Track 103 : Zemanar_34
• Track 104 : Austelle_34, Magpie_32, Apex_33, Mudslide_33, Frederick_33
• Track 105 : Cooper_33
• Track 106 : Nigel_32
• Track 107 : Nigel_31
• Track 108 : Prince_34
• Track 109 : JAMaL_34
• Track 110 : AlanGrant_35, Vincenzo_35
• Track 111 : AlanGrant_34, Vincenzo_34
• Track 112 : Acadian_35, Rita130_35, Suigeneris_35, SirJeffery_35, Reccee_35, EastView9101_34, Donny_35
• Track 113 : Acadian_36, EastView9101_35, Donny_36, Suigeneris_36, SirJeffery_36
• Track 114 : Nangang_35, DigitDog_35, Shenyu_35
• Track 115 : Nangang_36
• Track 116 : Serendipitous_34
• Track 117 : Baee_35, Rich_35
• Track 118 : Baee_34
• Track 119 : Rita130_36, Reccee_36
• Track 120 : Serendipitous_35
• Track 121 : StinkyVeggy_37, KarasumaRum_37
• Track 122 : StinkyVeggy_38, KarasumaRum_38

• Track 123 : DigitDog_36, Shenyu_36
• Track 124 : Nehemiah_34, Phelemich_35, Mysterious_35, Reprobate_35
• Track 125 : Rich_34
• Track 126 : Nehemiah_36, Phelemich_36, Mysterious_36, Reprobate_36
• Track 127 : 40BC_030, Hosp_028, 39HC_030, ForDig_30
• Track 128 : ForDig_31, Hosp_029, 39HC_031, Jolie1_031, 40BC_031
• Track 129 : Jolie1_030
• Track 130 : KayaCho_31
• Track 131 : KayaCho_30
• Track 132 : Saguaro_37
• Track 133 : Saguaro_38
• Track 134 : Thonko_36
• Track 135 : Thonko_35
• Track 136 : Funsized_38
• Track 137 : Knocker_38
• Track 138 : Rinkes_37
• Track 139 : CRB2_39
• Track 140 : Rinkes_38
• Track 141 : Funsized_39
• Track 142 : PenguinLover67_39
• Track 143 : PenguinLover67_38
• Track 144 : Knocker_37
• Track 145 : Quesadilla_39
• Track 146 : Quesadilla_38
• Track 147 : Coldpizza_33
• Track 148 : Coldpizza_32
• Track 149 : Sisko_30, Yago84_30, AnClar_31
• Track 150 : BiggityBass_29
• Track 151 : AksarBAT_29
• Track 152 : BiggityBass_30
• Track 153 : NHagos_29
• Track 154 : JellyBelly_30
• Track 155 : Axumite_30, Ligma_30, Fresco_30, Shatter_30
• Track 156 : Sisko_29, Yago84_29
• Track 157 : CharlottesWeb_29, JellyBelly_29
• Track 158 : LittleMunchkin_31
• Track 159 : FelixTres_31, MossRose_31, CaiB_31
• Track 160 : FelixTres_32, MossRose_32, CloverMinnie_32, AnarQue_32, MakoManhole_32, CaiB_32
• Track 161 : Mariokart_30
• Track 162 : LittleMunchkin_32
• Track 163 : Fresco_29, Axumite_29, Shatter_29, Ligma_29
• Track 164 : Sour_33
• Track 165 : Sour_35
• Track 166 : MakoManhole_31
• Track 167 : NHagos_30
• Track 168 : AnarQue_31, Blackpen_31, CloverMinnie_31
• Track 169 : Evaa_30
• Track 170 : Wooper_32, Yeshua_32
• Track 171 : BobRoss2024_28
• Track 172 : BobRoss2024_29
• Track 173 : Yeshua_31
• Track 174 : TraderJ_31

• Track 175 : Evaa_29
• Track 176 : Blackpen_32
• Track 177 : Wooper_31
• Track 178 : AksarBAT_30
• Track 179 : CharlottesWeb_30
• Track 180 : AnClar_30
• Track 181 : Mariokart_29
• Track 182 : TraderJ_32
• Track 183 : Megabear_28, D12_28, Cepens_28, PR_28, Taptic_28
• Track 184 : Jeon_30, Megabear_30, Argie_31, Cepens_30, GodPhather_31, D12_29, PR_30, Taptic_30
• Track 185 : Argie_29
• Track 186 : Jeon_28, GodPhather_29
• Track 187 : TPA2_40
• Track 188 : TPA2_39
• Track 189 : Pine5_31
• Track 190 : Pine5_32

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

The start number called the most often in the published annotations is 84, it was called in 463 of the 932 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 39HC_031, 40BC_031, ABU_37, Abinghost_37, AbsoluteMadLad_36, Acadian_36, Adriana_37, Aelin_36, Ahwei_33, Akoma_37, AksarBAT_30, AlanGrant_35, Aleia_37, Allegro_38, AltPhacts_37, Altwerkus_36, AnClar_31, AnarQue_32, Anderson_37, Andre_37, AngelCake_37, Antihero_33, Antonia_36, Aonishiki_37, Apex_34, Apizium_36, Arbiter_37, Ares_38, Argie_31, Ashraf_36, Athena_38, Audrey_37, Austelle_35, Axumite_30, Badfish_37, Baee_35, Baloo_37, Bananafish_38, Banjo_36, Basato_38, BatteryCK_36, Beaglebox_36, Ben11_36, Bernardo_37, BiggityBass_30, BirdsNest_39, Bishoperium_36, BlackStallion_37, Blackpen_32, BlacksBerry_36, Blocker23_38, BlueHusk_37, Bluephacebaby_36, BobbyK_34, Boehler_37, BoogieWoogie_36, Boyle_38, Briakila_38, Brilliant_37, Brownie5_38, Buckeye_37, Burr_36, CRB2_39, CaiB_32, Calamitous_38, CamL_37, CampRoach_37, Cannibal_37, Carthage_35, Casbah_36, Caspiboi_36, Caterpie_33, Causa_43, Cepens_30, ChaChing_37, Chaelin_37, Chah_38, Chalmers_37, Chandler_37, Charles1_37, CharlieGBrown_36, CharlottesWeb_30, CheetO_37, Cher_36, Childish_36, Chipette_38, Chorkpop_37, ChrisnMich_33, Chuni_36, Chunky_37, Chute_36, CloverMinnie_32, Cobra_37, Coffee_38, Colbert_37, Coldpizza_33, Coletti_37, Compostia_38, Cooper_34, Cornbread_36, Cornobble_36, Corofin_37, Cosmolli16_36, Craff_37, Crownjwl_37, D12_29, DaddyDaniels_37, Daffy_37, Daisy_37, Daka_37, Dati_37, Deenasa_37, DelRivs_36, Derpp_36, Devonte_37, Dice_36, DigitDog_36, Dingo_37, Dione_36, DirtJuice_37, Doddsville_37, DoesntMatter_37, DolOn_38, DonSanchon_36, Donny_36, Dori_33, DuchessDung_35, Duggie_36, Durga_37, Eaglehorse_38, EastView9101_35, ElvisPhasley_37, Emiris_37, EmpTee_37, Epah_33, Eremos_37, Etaye_37, Eugenia_37, Fanaw_33, Fang_37, Faze9_37, FelixTres_32, Flake_37, FleetyMac_36, FluffyNinja_37, ForDig_31, Fortunato_34, Fozzie_36, Frankicide_37, Frederick_34, FremontTroll_37, FrenchFry_38, Fresco_30, Freya_36,

FriarPreacher_37, Fringe_37, FugateOSU_36, Funsized_39, Gadjet_38, Gareth_36, GeneCoco_37, Gervas_37, GinPorsche_33, Giraffe_37, Glass_38, GlenHope_38, Glubnar_38, GodPhather_31, Godines_38, Gophee_37, Grand2040_36, GreenChile_37, Gwennie1_37, Gwilliam_37, Gyarad_0037, HSavage_37, Haimas_37, Haleema_36, Halfpint_36, Hally898_33, Hamish_37, Hangman_34, Happabalu_37, Hartsy_37, HarveySr_37, Harvey_37, Hashim76_40, Heath_33, Heathcliff_37, Hedgerow_38, Hekos_34, Held_37, HenryJackson_36, Hertubise_37, Hetaeria_37, HighStump_36, Hocus_36, HogWash_36, Holeinone_38, Horchata_37, Hosp_029, Hydro_34, ImtiyazSitla_36, Imvubu_30, Inchworm_37, Indlovu_35, Inverness_37, Iridessa_37, Iridoclysis_37, IsaacEli_37, ItsyBitsy1_38, JAMaL_34, JDog_36, JacAttac_37, Jackstina_34, JaguarMi_34, JakeO_36, JangoPhett_37, JellyBelly_30, Jeon_30, Jesabah_37, Jillium_36, Jiminy_36, Jiraiya_36, Jolie1_031, JoyceMaria_34, KLucky39_37, Kahve_36, Kailash_37, Kaleb_38, Kamiyu_37, KarasumaRum_38, Karn_36, Katniss_37, KayaCho_31, Keitherie_37, Khan1_37, Kheth_38, Kikipoo_37, Kimbrough_37, KingTut_28, KingVeVeVe_37, KlimbOn_37, Kloppinator_37, Knocker_38, Kolhan_38, Kronus_36, Kwadwo_36, Kwksand96_36, Labeouficaum_36, Lambano_33, Lars_38, Larson_38, LasagnaCat_37, Lasso_37, Laurie_37, LeeLot_37, Lego3393_37, Legolas_36, Lehmann_37, LeiMonet_37, LemonSlice_37, Lephleur_38, LestyG_37, Ligma_30, LilMcDreamy_31, LilMcDreamy_33, LilSmirk_38, LittleDigger_33, LittleMinkey_42, LittleMunchkin_32, LizLemon_38, Lolalove_34, Longacauda_36, Lopsy_36, LostAndPhound_36, LuckyMarjie_36, Lulumae_36, Lulwa_37, Lumine_36, MRabcd_36, Mag7_36, Magic8_37, Magpie_33, MakoManhole_32, Mana_36, Manad_36, Mao1_31, Mariokart_30, Marley1013_37, Marlia_37, Maru_36, Mask_32, Maskar_36, MasterPo_38, Matalotodo_37, Mcshane_36, Mecca_36, Megabear_30, Megamind20_37, Megatron_37, Melc17_37, MelsMeow_36, Mesh1_37, Mesmerelda_36, MichaelPhcott_36, Mikota_37, MiniBoss_37, MitKao_37, Mithril_34, MmasiCarm_37, Morgushi_37, Mortcellus_36, Morty007_37, Morty_37, Mosaic_36, MossRose_32, MrPhizzler_37, Mudslide_34, Mulan_36, Mulaychimus_37, Murdoc_37, Mutante_36, Mysterious_36, NHagos_30, Nacho_0037, Nanao_33, Nathan_37, Nehemiah_36, Neos5_37, Newman_37, NiaNia_38, Nicole21_37, Nigel_32, Nova1_36, Nozo_37, Numberten_37, Nyala_36, OSmaximus_37, Obutu_37, Olak_36, Oline_36, Olive_37, OliverWalter_37, Olivio_36, Omniscient_37, OneBrain_37, Oosterbaan_37, Opia_38, OrangeOswald_37, Orfeu_36, Orion_37, Orwigg_36, PG1_37, PR_30, Pacifista_36, PallasAthena_37, PenguinLover67_39, Phaedrus_35, Phamished_37, Phantasmagoria_38, Phareon_37, PhatCats2014_37, PhatLouie_37, Phayeta_38, Phelemich_36, PhenghisKhan_36, Pherdinand_37, Phergie_36, Philly_36, Phipps_37, Phleuron_36, Phlyer_37, PhrankReynolds_36, PhrodoBaggins_36, Phunky_37, Piglet_0036, PinheadLarry_37, Pinkman_36, Pipefish_39, Pipsqueak_37, Placalicious_36, Plata_36, Plmatters_37, Podrick_37, Pops_37, Poster_33, Potter_36, Prickles_37, PrinceCharming_38, Prince_34, ProfessorX_37, Puhltonio_37, QueenBeane_37, QueenPie_33, Quisquiliae_37, Qyrzula_35, RagingRooster_37, RawrgerThat_34, Reccee_36, RedMaple_36, RedRaider89_38, Renkei_33, Reprobate_36, Rhinoforte_38, Rich_35, Ricotta_36, Riggan_37, Rimu_37, Rinkes_38, Rita130_36, Rita1961_37, Riverton_37, Robyn_36, Roliet_37, RomaT_37, Roscoe_38, Rosebush_37, Roy17_37, SDcharge11_37, Sabella_37, Saguaro_38, SallyH_37, Samaymay_37, SassyCat97_36, Schadenfreude_36, Schueller_36, Scoot17C_37, Scrick_37, Sejanus_32, Selr12_37, Serendipitous_35, Serendipity_37, Serpentine_0037, ShadowBud_37, Shatter_30, Sheila_37, Shenandoah_37, Shenyu_36, ShiVal_37, Sigman_37, SilverBell_37, Simielle_36, SirBeauregard_37, SirJeffery_36, Sisko_30, Skippy_37, Slatt_37, SlippinJimmy_37, Soile_37, Solosis_36, Sophia_36, Soto_37, Sour_35, Spartan300_37, Squid_37, Squiggle_37, StAugustine_41, Stinger_32,

StinkyVeggy_38, Struggle_36, Suffolk_37, Suigeneris_36, Surely_37, SwainyDoc_37, Swiphy_37, Swish_37, SynergyX_37, TA17A_39, TPA2_40, TallGrassMM_37, Taptic_30, Taraxa_36, Telesworld_36, Thonko_36, Thora_37, ThreeOh3D2_37, Thunderbird_36, Timmi_36, Tinciduntsolum_39, TinyTerror_37, TomBombadil_37, Tomlarah_37, Toni_36, TooFast2Furius_38, Tooj_37, TraderJ_32, Tres_38, Triad_37, True_36, Trypo_37, Tydolla_37, TyrionL_36, UAch1_37, UncleHowie_37, Usavi_37, Vaishali24_36, Valjean_37, Veritas_36, Vic9_00037, Vincenzo_35, VioletZ_34, Virapocalypse_37, Virgeve_36, Vista_37, Vivaldi_37, Vortex_37, Waleliano_34, Wallhey_36, Waterdiva_37, Weher20_37, West99_38, Windsor_36, Wooper_32, Xavier_36, Xincheng_33, Yago84_30, Yahalom_37, Yeshua_32, Yinz_37, Yoshand_37, YouGoGlencoco_37, Zaider_38, Zelda_37, Zemanar_35, Zenteno07_41, Zonia_37,

Genes that have the "Most Annotated" start but do not call it:
• Argie_29, Cepens_28, Chentzyk_37, D12_28, GodPhather_29, Jeon_28, JohnLord_34, Megabear_28, Nangang_36, PR_28, Taptic_28,

Genes that do not have the "Most Annotated" start:
• 39HC_030, 40BC_030, ABU_36, Abinghost_36, AbsoluteMadLad_35, Acadian_35, Adriana_36, Aelin_35, Ahwei_32, Akoma_36, AksarBAT_29, AlanGrant_34, Aleia_36, Allegro_36, AltPhacts_36, Altwerkus_35, AnClar_30, AnarQue_31, Anderson_36, Andre_36, AngelCake_36, Antihero_32, Antonia_35, Aonishiki_36, Apex_33, Apizium_35, Arbiter_36, Ares_36, Ashraf_35, Athena_37, Audrey_36, Austelle_34, Axumite_29, Badfish_36, Baee_34, Baloo_36, Bananafish_36, Banjo_35, Basato_37, BatteryCK_35, Beaglebox_35, Ben11_35, Bernardo_36, BiggityBass_29, BirdsNest_38, Bishoperium_35, BlackStallion_36, Blackpen_31, BlacksBerry_35, Blocker23_36, BlueHusk_36, Bluephacebaby_35, BobRoss2024_28, BobRoss2024_29, BobbyK_33, Boehler_36, BoogieWoogie_35, Boyle_36, Briakila_37, Brilliant_36, BrownCNA_34, BrownCNA_35, Brownie5_36, Buckeye_36, Burr_35, CaiB_31, Calamitous_36, CamL_36, CampRoach_36, Cannibal_36, Carthage_34, Casbah_35, Caspiboi_35, Caterpie_32, Causa_42, ChaChing_36, Chaelin_36, Chah_37, Chalmers_36, Chandler_36, Charles1_36, CharlieGBrown_35, CharlottesWeb_29, CheetO_36, Chentzyk_35, Cher_35, Childish_35, Chipette_37, Chorkpop_36, ChrisnMich_32, Chuni_35, Chunky_36, Chute_35, CloverMinnie_31, Cobra_36, Coffee_36, Colbert_36, Coldpizza_32, Coletti_36, Compostia_37, Cooper_33, Cornbread_35, Cornobble_35, Corofin_36, Cosmolli16_35, Craff_36, Crownjwl_36, DaddyDaniels_36, Daffy_36, Daisy_36, Daka_36, Dati_36, Deenasa_36, DelRivs_35, Derpp_35, Devonte_36, Dice_35, DigitDog_35, Dingo_36, Dione_35, DirtJuice_36, Doddsville_36, DoesntMatter_36, DolOn_37, DonSanchon_35, Donny_35, Dori_32, DuchessDung_34, Duggie_35, Durga_36, Eaglehorse_36, EastView9101_34, ElvisPhasley_36, Emiris_36, EmpTee_36, Epah_32, Eremos_36, Etaye_36, Eugenia_36, Evaa_29, Evaa_30, Fanaw_32, Fang_36, Faze9_36, FelixTres_31, Flake_36, FleetyMac_35, FluffyNinja_36, ForDig_30, Fortunato_33, Fozzie_35, Frankicide_36, Frederick_33, FremontTroll_36, FrenchFry_36, Fresco_29, Freya_35, FriarPreacher_36, Fringe_36, FugateOSU_35, Funsized_38, Gadjet_37, Gareth_35, GeneCoco_36, Gervas_36, GinPorsche_32, Giraffe_36, Glass_36, GlenHope_37, Glubnar_37, Godines_36, Gophee_36, Grand2040_35, GreenChile_36, Gwennie1_36, Gwilliam_36, Gyarad_0036, HSavage_36, Haimas_36, Haleema_35, Halfpint_35, Hally898_32, Hamish_36, Hangman_33, Happabalu_36, Hartsy_36, HarveySr_36, Harvey_36, Hashim76_39, Heath_32, Heathcliff_36, Hedgerow_36, Hekos_33, Held_36, HenryJackson_35, Hertubise_36, Hetaeria_36, HighStump_35, Hocus_35, HogWash_35, Holeinone_36, Horchata_36, Hosp_028, Hydro_33, ImtiyazSitla_35, Imvubu_29, Inchworm_36,

Indlovu_34, Inverness_36, Iridessa_36, Iridoclysis_36, IsaacEli_36, ItsyBitsy1_36, JAMaL_33, JDog_35, JacAttac_36, Jackstina_33, JaguarMi_33, JakeO_35, JangoPhett_36, JellyBelly_29, Jesabah_36, Jillium_35, Jiminy_35, Jiraiya_35, JohnLord_33, Jolie1_030, JoyceMaria_33, KLucky39_36, Kahve_35, Kailash_36, Kaleb_36, Kamiyu_36, KarasumaRum_37, Karn_35, Katniss_36, KayaCho_30, Keitherie_36, Khan1_36, Kheth_36, Kikipoo_36, Kimbrough_36, KingTut_27, KingVeVeVe_36, KlimbOn_36, Kloppinator_36, Knocker_37, Kolhan_36, Kronus_35, Kwadwo_35, Kwksand96_35, Labeouficaum_35, Lambano_32, Lars_36, Larson_37, LasagnaCat_36, Lasso_36, Laurie_36, LeeLot_36, Lego3393_36, Legolas_35, Lehmann_36, LeiMonet_36, LemonSlice_36, Lephleur_36, LestyG_36, Ligma_29, LilSmirk_36, LittleDigger_32, LittleMinkey_41, LittleMunchkin_31, LizLemon_36, Lolalove_33, Longacauda_35, Lopsy_35, LostAndPhound_35, LuckyMarjie_35, Lulumae_35, Lulwa_36, Lumine_35, MRabcd_35, Mag7_35, Magic8_36, Magpie_32, MakoManhole_31, Mana_35, Manad_35, Mao1_30, Mariokart_29, Marley1013_36, Marlia_36, Maru_35, Mask_31, Maskar_35, MasterPo_36, Matalotodo_36, Mcshane_35, Mecca_35, Megamind20_36, Megatron_36, Melc17_36, MelsMeow_35, Mesh1_36, Mesmerelda_35, MichaelPhcott_35, Mikota_36, MiniBoss_36, MitKao_36, Mithril_33, MmasiCarm_36, Morgushi_36, Mortcellus_35, Morty007_36, Morty_36, Mosaic_35, MossRose_31, MrPhizzler_36, Mudslide_33, Mulan_35, Mulaychimus_36, Murdoc_36, Mutante_35, Mysterious_35, NHagos_29, Nacho_0036, Nanao_32, Nangang_35, Nathan_36, Nehemiah_34, Neos5_36, Newman_36, NiaNia_37, Nicole21_36, Nigel_31, Nova1_35, Nozo_36, Numberten_36, Nyala_35, OSmaximus_36, Obutu_36, Olak_35, Oline_35, Olive_36, OliverWalter_36, Olivio_35, Omniscient_36, OneBrain_36, Oosterbaan_36, Opia_36, OrangeOswald_36, Orfeu_35, Orion_36, Orwigg_35, PG1_36, Pacifista_35, PallasAthena_36, PenguinLover67_38, Phaedrus_34, Phamished_36, Phantasmagoria_36, Phareon_36, PhatCats2014_36, PhatLouie_36, Phayeta_37, Phelemich_35, PhenghisKhan_35, Pherdinand_36, Phergie_35, Philly_35, Phipps_36, Phleuron_35, Phlyer_36, PhrankReynolds_35, PhrodoBaggins_35, Phunky_36, Piglet_0035, Pine5_31, Pine5_32, PinheadLarry_36, Pinkman_35, Pipefish_38, Pipsqueak_36, Placalicious_35, Plata_35, Plmatters_36, Podrick_36, Pops_36, Poster_32, Potter_35, Prickles_36, PrinceCharming_36, Prince_33, ProfessorX_36, Puhltonio_36, QueenBeane_36, QueenPie_32, Quesadilla_38, Quesadilla_39, Quisquiliae_36, Qyrzula_34, RagingRooster_36, RawrgerThat_33, Reccee_35, RedMaple_35, RedRaider89_37, Renkei_32, Reprobate_35, Rhinoforte_36, Rich_34, Ricotta_35, Riggan_36, Rimu_36, Rinkes_37, Rita130_35, Rita1961_36, Riverton_36, Robyn_35, Roliet_36, RomaT_36, Roscoe_37, Rosebush_36, Roy17_36, SDcharge11_36, Sabella_36, Saguaro_37, SallyH_36, Samaymay_36, SassyCat97_35, Schadenfreude_35, Schueller_35, Scoot17C_36, Scrick_36, Sejanus_31, Selr12_36, Serendipitous_34, Serendipity_36, Serpentine_0036, ShadowBud_36, Shatter_29, Sheila_36, Shenandoah_36, Shenyu_35, ShiVal_36, Sigman_36, SilverBell_36, Simielle_35, SirBeauregard_36, SirJeffery_35, Sisko_29, Skippy_36, Slatt_36, SlippinJimmy_36, Soile_36, Solosis_35, Sophia_35, Soto_36, Sour_33, Spartan300_36, Squid_36, Squiggle_36, StAugustine_40, Stinger_31, StinkyVeggy_37, Struggle_35, Suffolk_36, Suigeneris_35, Surely_36, SwainyDoc_36, Swiphy_36, Swish_36, SynergyX_36, TA17A_37, TPA2_39, TallGrassMM_36, Taraxa_35, Telesworld_35, Thonko_35, Thora_36, ThreeOh3D2_36, Thunderbird_35, Timmi_35, Tinciduntsolum_37, TinyTerror_36, TomBombadil_36, Tomlarah_36, Toni_35, TooFast2Furius_37, Tooj_36, TraderJ_31, Tres_36, Triad_36, True_35, Trypo_36, Tydolla_36, TyrionL_35, UAch1_36, UncleHowie_36, Usavi_36, Vaishali24_35, Valjean_36, Vaticameos_36, Veritas_35, Vic9_00036, Vincenzo_34, VioletZ_33, Virapocalypse_36, Virgeve_35, Vista_36, Vivaldi_36, Vortex_36, Waleliano_33,

Wallhey_35, Waterdiva_36, Weher20_36, West99_36, Windsor_35, Wooper_31, Xavier_35, Xincheng_32, Yago84_29, Yahalom_36, Yeshua_31, Yinz_36, Yoshand_36, YouGoGlencoco_36, Zaider_37, Zelda_36, Zemanar_34, Zenteno07_40, Zonia_36,

Summary by start number:

Start 64:
• Found in 45 of 1068 (4.2%) of genes in pham
• Manual Annotations of this start: 28 of 932
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Ahwei_32 (B4), AlanGrant_34 (B4), Antihero_32 (B4), Apex_33 (B4), Austelle_34 (B4), BobbyK_33 (B4), BrownCNA_34 (B4), ChrisnMich_32 (B4), Cooper_33 (B4), Epah_32 (B4), Fanaw_32 (B4), Fortunato_33 (B4), Frederick_33 (B4), GinPorsche_32 (B4), Hally898_32 (B4), Hangman_33 (B4), Heath_32 (B4), Hydro_33 (B4), JAMaL_33 (B4), JaguarMi_33 (B4), JoyceMaria_33 (B4), Lambano_32 (B4), LittleDigger_32 (B4), Lolalove_33 (B4), Magpie_32 (B4), Mithril_33 (B4), Mudslide_33 (B4), Nanao_32 (B4), Nigel_31 (B4), Poster_32 (B4), Prince_33 (B4), QueenPie_32 (B4), RawrgerThat_33 (B4), Renkei_32 (B4), Stinger_31 (B4), Vincenzo_34 (B4), VioletZ_33 (B4), Waleliano_33 (B4), Xincheng_32 (B4), Zemanar_34 (B4),

Start 68:
• Found in 1 of 1068 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 932
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Thonko_35 (B8),

Start 70:
• Found in 3 of 1068 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Nangang_36 (B5),

Start 78:
• Found in 94 of 1068 (8.8%) of genes in pham
• Manual Annotations of this start: 51 of 932
• Called 59.6% of time when present
• Phage (with cluster) where this start called: Abinghost_36 (B3), Akoma_36 (B3), Athena_37 (B3), Audrey_36 (B3), Baloo_36 (B3), Ben11_35 (B3), Bernardo_36 (B3), Briakila_37 (B3), Casbah_35 (B3), ChaChing_36 (B3), Chalmers_36 (B3), Chandler_36 (B3), Chentzyk_35 (B3), Compostia_37 (B3), Corofin_36 (B3), Daisy_36 (B3), Deenasa_36 (B3), Devonte_36 (B3), Gadjet_37 (B3), Gervas_36 (B3), GlenHope_37 (B3), Glubnar_37 (B3), Halfpint_35 (B3), HarveySr_36 (B3), Heathcliff_36 (B3), Jackstina_33 (B3), Kamiyu_36 (B3), Kronus_35 (B3), LestyG_36 (B3), Marley1013_36 (B3), Marlia_36 (B3), MmasiCarm_36 (B3), Mortcellus_35 (B3), Morty007_36 (B3), Mulaychimus_36 (B3), Neos5_36 (B3), Nozo_36 (B3), Obutu_36 (B3), Olivio_35 (B3), OrangeOswald_36 (B3), Phaedrus_34 (B3), Phayeta_37 (B3), Philly_35 (B3), Phlyer_36 (B3), Pipefish_38 (B3), RagingRooster_36 (B3), Rita1961_36 (B3), RomaT_36 (B3), Shenandoah_36 (B3), SlippinJimmy_36 (B3), SwainyDoc_36 (B3), SynergyX_36 (B3), TinyTerror_36 (B3), Tydolla_36 (B3), Yahalom_36 (B3), Yinz_36 (B3),

Start 79:
• Found in 52 of 1068 (4.9%) of genes in pham
• Manual Annotations of this start: 48 of 932
• Called 98.1% of time when present
• Phage (with cluster) where this start called: Allegro_36 (B2), Arbiter_36 (B2), Ares_36 (B2), Argie_29 (W), Bananafish_36 (B2), Blocker23_36 (B2), Boyle_36 (B2), Brownie5_36 (B2), Calamitous_36 (B2), Caterpie_32 (AD), Cepens_28 (W), Coffee_36 (B2), D12_28 (W), Dori_32 (AD), Eaglehorse_36 (B2), Faze9_36 (B2), FrenchFry_36 (B2), Glass_36 (B2), GodPhather_29 (W), Godines_36 (B2), Hedgerow_36 (B2), Holeinone_36 (B2), ItsyBitsy1_36 (B2), Jeon_28 (W), JohnLord_33 (AD), Kaleb_36 (B2), Kheth_36 (B2), Kolhan_36 (B2), Lars_36 (B2), Laurie_36 (B2), Lephleur_36 (B2), LilSmirk_36 (B2), LizLemon_36 (B2), Mao1_30 (AD), Mask_31 (AD), MasterPo_36 (B2), Megabear_28 (W), Opia_36 (B2), PR_28 (W), Phantasmagoria_36 (B2), PrinceCharming_36 (B2), Qyrzula_34 (B2), Rhinoforte_36 (B2), Rosebush_36 (B2), Sabella_36 (B2), Sejanus_31 (AD), TA17A_37 (B2), Taptic_28 (W), Tinciduntsolum_37 (B2), Tres_36 (B2), West99_36 (B2),

Start 80:
• Found in 3 of 1068 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 932
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Causa_42 (AI), StAugustine_40 (AI),

Start 81:
• Found in 39 of 1068 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 932
• Called 5.1% of time when present
• Phage (with cluster) where this start called: Pine5_31 (singleton), Vic9_00036 (B2),

Start 82:
• Found in 351 of 1068 (32.9%) of genes in pham
• Manual Annotations of this start: 112 of 932
• Called 35.0% of time when present
• Phage (with cluster) where this start called: 39HC_030 (B6), 40BC_030 (B6), ABU_36 (B1), AbsoluteMadLad_35 (B1), Acadian_35 (B5), Altwerkus_35 (B1), Antonia_35 (B1), Apizium_35 (B1), Baee_34 (B5), BirdsNest_38 (B13), CamL_36 (B1), Carthage_34 (B1), Chah_37 (B1), CharlieGBrown_35 (B1), Chunky_36 (B1), Cobra_36 (B1), Colbert_36 (B1), Cosmolli16_35 (B1), Craff_36 (B1), Daffy_36 (B1), Daka_36 (B1), Derpp_35 (B1), DigitDog_35 (B5), Dione_35 (B1), Donny_35 (B5), EastView9101_34 (B5), EmpTee_36 (B1), Eremos_36 (B1), Fang_36 (B1), FluffyNinja_36 (B1), ForDig_30 (B6), FriarPreacher_36 (B1), Funsized_38 (B9), Gareth_35 (B1), GeneCoco_36 (B1), Grand2040_35 (B1), Gyarad_0036 (B1), Haimas_36 (B1), Harvey_36 (B1), Hashim76_39 (B13), Held_36 (B1), Hertubise_36 (B1), Hocus_35 (B1), Hosp_028 (B6), Imvubu_29 (B10), IsaacEli_36 (B1), JacAttac_36 (B1), JakeO_35 (B1), JangoPhett_36 (B1), Jillium_35 (B1), Jolie1_030 (B6), KLucky39_36 (B1), Kailash_36 (B1), KayaCho_30 (B6), Keitherie_36 (B1), Kikipoo_36 (B1), KingVeVeVe_36 (B1), Knocker_37 (B9), Kwadwo_35 (B1), Lasso_36 (B1), LittleMinkey_41 (B13), LuckyMarjie_35 (B1), Magic8_36 (B1), Mana_35 (B1), Manad_35 (B1), Megatron_36 (B1), Mesh1_36 (B1), Mesmerelda_35 (B1), MichaelPhcott_35 (B1), MitKao_36 (B1), Mosaic_35 (B1), Murdoc_36 (B1), Mysterious_35 (B5), Nacho_0036 (B1), Nangang_35 (B5), Nehemiah_34 (B5), Nicole21_36 (B1), OSmaximus_36 (B1), Phamished_36 (B1), Phelemich_35 (B5),

Piglet_0035 (B1), PinheadLarry_36 (B1), Puhltonio_36 (B1), QueenBeane_36 (B1), Reccee_35 (B5), Reprobate_35 (B5), Rich_34 (B5), Riggan_36 (B1), Rinkes_37 (B9), Rita130_35 (B5), Roliet_36 (B1), SDcharge11_36 (B1), Saguaro_37 (B7), Scoot17C_36 (B1), Serendipitous_34 (B5), Serendipity_36 (B1), Serpentine_0036 (B1), Shenyu_35 (B5), ShiVal_36 (B1), SirJeffery_35 (B5), Sophia_35 (B1), Spartan300_36 (B1), Squid_36 (B1), Suigeneris_35 (B5), Surely_36 (B1), Swish_36 (B1), TallGrassMM_36 (B1), Telesworld_35 (B1), ThreeOh3D2_36 (B1), TomBombadil_36 (B1), TyrionL_35 (B1), UAch1_36 (B1), UncleHowie_36 (B1), Vaticameos_36 (B1), Vista_36 (B1), Vivaldi_36 (B1), Vortex_36 (B1), Wallhey_35 (B1), Waterdiva_36 (B1), Xavier_35 (B1), Yoshand_36 (B1), YouGoGlencoco_36 (B1), Zenteno07_40 (B13),

Start 83:
• Found in 316 of 1068 (29.6%) of genes in pham
• Manual Annotations of this start: 196 of 932
• Called 70.9% of time when present
• Phage (with cluster) where this start called: Adriana_36 (B1), Aelin_35 (B1), Aleia_36 (B1), AltPhacts_36 (B1), Anderson_36 (B1), Andre_36 (B1), AngelCake_36 (B1), Aonishiki_36 (B1), Ashraf_35 (B1), Banjo_35 (B1), Basato_37 (B1), BatteryCK_35 (B1), Beaglebox_35 (B1), Bishoperium_35 (B1), BlackStallion_36 (B1), BlacksBerry_35 (B1), BlueHusk_36 (B1), Bluephacebaby_35 (B1), Boehler_36 (B1), BoogieWoogie_35 (B1), Brilliant_36 (B1), Buckeye_36 (B1), Burr_35 (B1), CampRoach_36 (B1), Cannibal_36 (B1), Caspiboi_35 (B1), Chaelin_36 (B1), Charles1_36 (B1), CheetO_36 (B1), Cher_35 (B1), Childish_35 (B1), Chipette_37 (B1), Chorkpop_36 (B1), Chuni_35 (B1), Chute_35 (B1), Coletti_36 (B1), Cornbread_35 (B1), Cornobble_35 (B1), Crownjwl_36 (B1), DaddyDaniels_36 (B1), Dati_36 (B1), DelRivs_35 (B1), Dice_35 (B1), Dingo_36 (B1), DirtJuice_36 (B1), Doddsville_36 (B1), DoesntMatter_36 (B1), DolOn_37 (B1), DonSanchon_35 (B1), DuchessDung_34 (B1), Duggie_35 (B1), Durga_36 (B1), ElvisPhasley_36 (B1), Emiris_36 (B1), Etaye_36 (B1), Eugenia_36 (B1), Flake_36 (B1), FleetyMac_35 (B1), Fozzie_35 (B1), Frankicide_36 (B1), FremontTroll_36 (B1), Freya_35 (B1), Fringe_36 (B1), FugateOSU_35 (B1), Giraffe_36 (B1), Gophee_36 (B1), GreenChile_36 (B1), Gwennie1_36 (B1), Gwilliam_36 (B1), HSavage_36 (B1), Haleema_35 (B1), Hamish_36 (B1), Happabalu_36 (B1), Hartsy_36 (B1), Hekos_33 (B1), HenryJackson_35 (B1), Hetaeria_36 (B1), HighStump_35 (B1), HogWash_35 (B1), Horchata_36 (B1), ImtiyazSitla_35 (B1), Inchworm_36 (B1), Inverness_36 (B1), Iridessa_36 (B1), Iridoclysis_36 (B1), JDog_35 (B1), Jesabah_36 (B1), Jiminy_35 (B1), Jiraiya_35 (B1), Kahve_35 (B1), Karn_35 (B1), Katniss_36 (B1), Khan1_36 (B1), Kimbrough_36 (B1), KingTut_27 (B1), KlimbOn_36 (B1), Kloppinator_36 (B1), Kwksand96_35 (B1), Labeouficaum_35 (B1), Larson_37 (B1), LasagnaCat_36 (B1), LeeLot_36 (B1), Lego3393_36 (B1), Legolas_35 (B1), Lehmann_36 (B1), LeiMonet_36 (B1), LemonSlice_36 (B1), Longacauda_35 (B1), Lopsy_35 (B1), LostAndPhound_35 (B1), Lulumae_35 (B1), Lulwa_36 (B1), Lumine_35 (B1), MRabcd_35 (B1), Mag7_35 (B1), Maru_35 (B1), Maskar_35 (B1), Matalotodo_36 (B1), Mcshane_35 (B1), Mecca_35 (B1), Megamind20_36 (B1), Melc17_36 (B1), MelsMeow_35 (B1), Mikota_36 (B1), MiniBoss_36 (B1), Morgushi_36 (B1), Morty_36 (B1), MrPhizzler_36 (B1), Mulan_35 (B1), Mutante_35 (B1), Nathan_36 (B1), Newman_36 (B1), NiaNia_37 (B1), Nova1_35 (B1), Numberten_36 (B1), Nyala_35 (B1), Olak_35 (B1), Oline_35 (B1), Olive_36 (B1), OliverWalter_36 (B1), Omniscient_36 (B1), OneBrain_36 (B1), Oosterbaan_36 (B1), Orfeu_35 (B1), Orion_36 (B1), Orwigg_35 (B1), PG1_36 (B1), Pacifista_35 (B1), PallasAthena_36 (B1), Phareon_36 (B1), PhatCats2014_36 (B1), PhatLouie_36 (B1), PhenghisKhan_35 (B1), Pherdinand_36 (B1), Phergie_35 (B1), Phipps_36 (B1),

Phleuron_35 (B1), PhrankReynolds_35 (B1), PhrodoBaggins_35 (B1), Phunky_36 (B1), Pine5_32 (singleton), Pinkman_35 (B1), Pipsqueak_36 (B1), Placalicious_35 (B1), Plata_35 (B1), Plmatters_36 (B1), Podrick_36 (B1), Pops_36 (B1), Potter_35 (B1), Prickles_36 (B1), ProfessorX_36 (B1), Quisquiliae_36 (B1), RedMaple_35 (B1), RedRaider89_37 (B1), Ricotta_35 (B1), Rimu_36 (B1), Riverton_36 (B1), Robyn_35 (B1), Roscoe_37 (B1), Roy17_36 (B1), SallyH_36 (B1), Samaymay_36 (B1), SassyCat97_35 (B1), Schadenfreude_35 (B1), Schueller_35 (B1), Scrick_36 (B1), Selr12_36 (B1), ShadowBud_36 (B1), Sheila_36 (B1), Sigman_36 (B1), SilverBell_36 (B1), Simielle_35 (B1), SirBeauregard_36 (B1), Skippy_36 (B1), Slatt_36 (B1), Soile_36 (B1), Solosis_35 (B1), Soto_36 (B1), Squiggle_36 (B1), Struggle_35 (B1), Suffolk_36 (B1), Swiphy_36 (B1), Taraxa_35 (B1), Thora_36 (B1), Thunderbird_35 (B1), Timmi_35 (B1), Tomlarah_36 (B1), Toni_35 (B1), TooFast2Furius_37 (B1), Tooj_36 (B1), Triad_36 (B1), True_35 (B1), Trypo_36 (B1), Usavi_36 (B1), Vaishali24_35 (B1), Valjean_36 (B1), Veritas_35 (B1), Virapocalypse_36 (B1), Virgeve_35 (B1), Weher20_36 (B1), Windsor_35 (B1), Zaider_37 (B1), Zelda_36 (B1), Zonia_36 (B1),

Start 84:
• Found in 538 of 1068 (50.4%) of genes in pham
• Manual Annotations of this start: 463 of 932
• Called 98.0% of time when present
• Phage (with cluster) where this start called: 39HC_031 (B6), 40BC_031 (B6), ABU_37 (B1), Abinghost_37 (B3), AbsoluteMadLad_36 (B1), Acadian_36 (B5), Adriana_37 (B1), Aelin_36 (B1), Ahwei_33 (B4), Akoma_37 (B3), AksarBAT_30 (DR), AlanGrant_35 (B4), Aleia_37 (B1), Allegro_38 (B2), AltPhacts_37 (B1), Altwerkus_36 (B1), AnClar_31 (DR), AnarQue_32 (DR), Anderson_37 (B1), Andre_37 (B1), AngelCake_37 (B1), Antihero_33 (B4), Antonia_36 (B1), Aonishiki_37 (B1), Apex_34 (B4), Apizium_36 (B1), Arbiter_37 (B2), Ares_38 (B2), Argie_31 (W), Ashraf_36 (B1), Athena_38 (B3), Audrey_37 (B3), Austelle_35 (B4), Axumite_30 (DR), Badfish_37 (B1), Baee_35 (B5), Baloo_37 (B3), Bananafish_38 (B2), Banjo_36 (B1), Basato_38 (B1), BatteryCK_36 (B1), Beaglebox_36 (B1), Ben11_36 (B3), Bernardo_37 (B3), BiggityBass_30 (DR), BirdsNest_39 (B13), Bishoperium_36 (B1), BlackStallion_37 (B1), Blackpen_32 (DR), BlacksBerry_36 (B1), Blocker23_38 (B2), BlueHusk_37 (B1), Bluephacebaby_36 (B1), BobbyK_34 (B4), Boehler_37 (B1), BoogieWoogie_36 (B1), Boyle_38 (B2), Briakila_38 (B3), Brilliant_37 (B1), Brownie5_38 (B2), Buckeye_37 (B1), Burr_36 (B1), CRB2_39 (B9), CaiB_32 (DR), Calamitous_38 (B2), CamL_37 (B1), CampRoach_37 (B1), Cannibal_37 (B1), Carthage_35 (B1), Casbah_36 (B3), Caspiboi_36 (B1), Caterpie_33 (AD), Causa_43 (AI), Cepens_30 (W), ChaChing_37 (B3), Chaelin_37 (B1), Chah_38 (B1), Chalmers_37 (B3), Chandler_37 (B3), Charles1_37 (B1), CharlieGBrown_36 (B1), CharlottesWeb_30 (DR), CheetO_37 (B1), Cher_36 (B1), Childish_36 (B1), Chipette_38 (B1), Chorkpop_37 (B1), ChrisnMich_33 (B4), Chuni_36 (B1), Chunky_37 (B1), Chute_36 (B1), CloverMinnie_32 (DR), Cobra_37 (B1), Coffee_38 (B2), Colbert_37 (B1), Coldpizza_33 (DR), Coletti_37 (B1), Compostia_38 (B3), Cooper_34 (B4), Cornbread_36 (B1), Cornobble_36 (B1), Corofin_37 (B3), Cosmolli16_36 (B1), Craff_37 (B1), Crownjwl_37 (B1), D12_29 (W), DaddyDaniels_37 (B1), Daffy_37 (B1), Daisy_37 (B3), Daka_37 (B1), Dati_37 (B1), Deenasa_37 (B3), DelRivs_36 (B1), Derpp_36 (B1), Devonte_37 (B3), Dice_36 (B1), DigitDog_36 (B5), Dingo_37 (B1), Dione_36 (B1), DirtJuice_37 (B1), Doddsville_37 (B1), DoesntMatter_37 (B1), DolOn_38 (B1), DonSanchon_36 (B1), Donny_36 (B5), Dori_33 (AD), DuchessDung_35 (B1), Duggie_36 (B1), Durga_37 (B1), Eaglehorse_38 (B2), EastView9101_35 (B5), ElvisPhasley_37 (B1), Emiris_37 (B1), EmpTee_37 (B1), Epah_33 (B4), Eremos_37 (B1), Etaye_37 (B1), Eugenia_37 (B1), Fanaw_33 (B4),

Fang_37 (B1), Faze9_37 (B2), FelixTres_32 (DR), Flake_37 (B1), FleetyMac_36 (B1), FluffyNinja_37 (B1), ForDig_31 (B6), Fortunato_34 (B4), Fozzie_36 (B1), Frankicide_37 (B1), Frederick_34 (B4), FremontTroll_37 (B1), FrenchFry_38 (B2), Fresco_30 (DR), Freya_36 (B1), FriarPreacher_37 (B1), Fringe_37 (B1), FugateOSU_36 (B1), Funsized_39 (B9), Gadjet_38 (B3), Gareth_36 (B1), GeneCoco_37 (B1), Gervas_37 (B3), GinPorsche_33 (B4), Giraffe_37 (B1), Glass_38 (B2), GlenHope_38 (B3), Glubnar_38 (B3), GodPhather_31 (W), Godines_38 (B2), Gophee_37 (B1), Grand2040_36 (B1), GreenChile_37 (B1), Gwennie1_37 (B1), Gwilliam_37 (B1), Gyarad_0037 (B1), HSavage_37 (B1), Haimas_37 (B1), Haleema_36 (B1), Halfpint_36 (B3), Hally898_33 (B4), Hamish_37 (B1), Hangman_34 (B4), Happabalu_37 (B1), Hartsy_37 (B1), HarveySr_37 (B3), Harvey_37 (B1), Hashim76_40 (B13), Heath_33 (B4), Heathcliff_37 (B3), Hedgerow_38 (B2), Hekos_34 (B1), Held_37 (B1), HenryJackson_36 (B1), Hertubise_37 (B1), Hetaeria_37 (B1), HighStump_36 (B1), Hocus_36 (B1), HogWash_36 (B1), Holeinone_38 (B2), Horchata_37 (B1), Hosp_029 (B6), Hydro_34 (B4), ImtiyazSitla_36 (B1), Imvubu_30 (B10), Inchworm_37 (B1), Indlovu_35 (B11), Inverness_37 (B1), Iridessa_37 (B1), Iridoclysis_37 (B1), IsaacEli_37 (B1), ItsyBitsy1_38 (B2), JAMaL_34 (B4), JDog_36 (B1), JacAttac_37 (B1), Jackstina_34 (B3), JaguarMi_34 (B4), JakeO_36 (B1), JangoPhett_37 (B1), JellyBelly_30 (DR), Jeon_30 (W), Jesabah_37 (B1), Jillium_36 (B1), Jiminy_36 (B1), Jiraiya_36 (B1), Jolie1_031 (B6), JoyceMaria_34 (B4), KLucky39_37 (B1), Kahve_36 (B1), Kailash_37 (B1), Kaleb_38 (B2), Kamiyu_37 (B3), KarasumaRum_38 (B5), Karn_36 (B1), Katniss_37 (B1), KayaCho_31 (B6), Keitherie_37 (B1), Khan1_37 (B1), Kheth_38 (B2), Kikipoo_37 (B1), Kimbrough_37 (B1), KingTut_28 (B1), KingVeVeVe_37 (B1), KlimbOn_37 (B1), Kloppinator_37 (B1), Knocker_38 (B9), Kolhan_38 (B2), Kronus_36 (B3), Kwadwo_36 (B1), Kwksand96_36 (B1), Labeouficaum_36 (B1), Lambano_33 (B4), Lars_38 (B2), Larson_38 (B1), LasagnaCat_37 (B1), Lasso_37 (B1), Laurie_37 (B2), LeeLot_37 (B1), Lego3393_37 (B1), Legolas_36 (B1), Lehmann_37 (B1), LeiMonet_37 (B1), LemonSlice_37 (B1), Lephleur_38 (B2), LestyG_37 (B3), Ligma_30 (DR), LilMcDreamy_31 (B12), LilMcDreamy_33 (B12), LilSmirk_38 (B2), LittleDigger_33 (B4), LittleMinkey_42 (B13), LittleMunchkin_32 (DR), LizLemon_38 (B2), Lolalove_34 (B4), Longacauda_36 (B1), Lopsy_36 (B1), LostAndPhound_36 (B1), LuckyMarjie_36 (B1), Lulumae_36 (B1), Lulwa_37 (B1), Lumine_36 (B1), MRabcd_36 (B1), Mag7_36 (B1), Magic8_37 (B1), Magpie_33 (B4), MakoManhole_32 (DR), Mana_36 (B1), Manad_36 (B1), Mao1_31 (AD), Mariokart_30 (DR), Marley1013_37 (B3), Marlia_37 (B3), Maru_36 (B1), Mask_32 (AD), Maskar_36 (B1), MasterPo_38 (B2), Matalotodo_37 (B1), Mcshane_36 (B1), Mecca_36 (B1), Megabear_30 (W), Megamind20_37 (B1), Megatron_37 (B1), Melc17_37 (B1), MelsMeow_36 (B1), Mesh1_37 (B1), Mesmerelda_36 (B1), MichaelPhcott_36 (B1), Mikota_37 (B1), MiniBoss_37 (B1), MitKao_37 (B1), Mithril_34 (B4), MmasiCarm_37 (B3), Morgushi_37 (B1), Mortcellus_36 (B3), Morty007_37 (B3), Morty_37 (B1), Mosaic_36 (B1), MossRose_32 (DR), MrPhizzler_37 (B1), Mudslide_34 (B4), Mulan_36 (B1), Mulaychimus_37 (B3), Murdoc_37 (B1), Mutante_36 (B1), Mysterious_36 (B5), NHagos_30 (DR), Nacho_0037 (B1), Nanao_33 (B4), Nathan_37 (B1), Nehemiah_36 (B5), Neos5_37 (B3), Newman_37 (B1), NiaNia_38 (B1), Nicole21_37 (B1), Nigel_32 (B4), Nova1_36 (B1), Nozo_37 (B3), Numberten_37 (B1), Nyala_36 (B1), OSmaximus_37 (B1), Obutu_37 (B3), Olak_36 (B1), Oline_36 (B1), Olive_37 (B1), OliverWalter_37 (B1), Olivio_36 (B3), Omniscient_37 (B1), OneBrain_37 (B1), Oosterbaan_37 (B1), Opia_38 (B2), OrangeOswald_37 (B3), Orfeu_36 (B1), Orion_37 (B1), Orwigg_36 (B1), PG1_37 (B1), PR_30 (W), Pacifista_36 (B1), PallasAthena_37 (B1), PenguinLover67_39 (B9), Phaedrus_35 (B3), Phamished_37 (B1), Phantasmagoria_38 (B2), Phareon_37 (B1), PhatCats2014_37 (B1), PhatLouie_37

(B1), Phayeta_38 (B3), Phelemich_36 (B5), PhenghisKhan_36 (B1), Pherdinand_37 (B1), Phergie_36 (B1), Philly_36 (B3), Phipps_37 (B1), Phleuron_36 (B1), Phlyer_37 (B3), PhrankReynolds_36 (B1), PhrodoBaggins_36 (B1), Phunky_37 (B1), Piglet_0036 (B1), PinheadLarry_37 (B1), Pinkman_36 (B1), Pipefish_39 (B3), Pipsqueak_37 (B1), Placalicious_36 (B1), Plata_36 (B1), Plmatters_37 (B1), Podrick_37 (B1), Pops_37 (B1), Poster_33 (B4), Potter_36 (B1), Prickles_37 (B1), PrinceCharming_38 (B2), Prince_34 (B4), ProfessorX_37 (B1), Puhltonio_37 (B1), QueenBeane_37 (B1), QueenPie_33 (B4), Quisquiliae_37 (B1), Qyrzula_35 (B2), RagingRooster_37 (B3), RawrgerThat_34 (B4), Reccee_36 (B5), RedMaple_36 (B1), RedRaider89_38 (B1), Renkei_33 (B4), Reprobate_36 (B5), Rhinoforte_38 (B2), Rich_35 (B5), Ricotta_36 (B1), Riggan_37 (B1), Rimu_37 (B1), Rinkes_38 (B9), Rita130_36 (B5), Rita1961_37 (B3), Riverton_37 (B1), Robyn_36 (B1), Roliet_37 (B1), RomaT_37 (B3), Roscoe_38 (B1), Rosebush_37 (B2), Roy17_37 (B1), SDcharge11_37 (B1), Sabella_37 (B2), Saguaro_38 (B7), SallyH_37 (B1), Samaymay_37 (B1), SassyCat97_36 (B1), Schadenfreude_36 (B1), Schueller_36 (B1), Scoot17C_37 (B1), Scrick_37 (B1), Sejanus_32 (AD), Selr12_37 (B1), Serendipitous_35 (B5), Serendipity_37 (B1), Serpentine_0037 (B1), ShadowBud_37 (B1), Shatter_30 (DR), Sheila_37 (B1), Shenandoah_37 (B3), Shenyu_36 (B5), ShiVal_37 (B1), Sigman_37 (B1), SilverBell_37 (B1), Simielle_36 (B1), SirBeauregard_37 (B1), SirJeffery_36 (B5), Sisko_30 (DR), Skippy_37 (B1), Slatt_37 (B1), SlippinJimmy_37 (B3), Soile_37 (B1), Solosis_36 (B1), Sophia_36 (B1), Soto_37 (B1), Sour_35 (DR), Spartan300_37 (B1), Squid_37 (B1), Squiggle_37 (B1), StAugustine_41 (AI), Stinger_32 (B4), StinkyVeggy_38 (B5), Struggle_36 (B1), Suffolk_37 (B1), Suigeneris_36 (B5), Surely_37 (B1), SwainyDoc_37 (B3), Swiphy_37 (B1), Swish_37 (B1), SynergyX_37 (B3), TA17A_39 (B2), TPA2_40 (singleton), TallGrassMM_37 (B1), Taptic_30 (W), Taraxa_36 (B1), Telesworld_36 (B1), Thonko_36 (B8), Thora_37 (B1), ThreeOh3D2_37 (B1), Thunderbird_36 (B1), Timmi_36 (B1), Tinciduntsolum_39 (B2), TinyTerror_37 (B3), TomBombadil_37 (B1), Tomlarah_37 (B1), Toni_36 (B1), TooFast2Furius_38 (B1), Tooj_37 (B1), TraderJ_32 (DR), Tres_38 (B2), Triad_37 (B1), True_36 (B1), Trypo_37 (B1), Tydolla_37 (B3), TyrionL_36 (B1), UAch1_37 (B1), UncleHowie_37 (B1), Usavi_37 (B1), Vaishali24_36 (B1), Valjean_37 (B1), Veritas_36 (B1), Vic9_00037 (B2), Vincenzo_35 (B4), VioletZ_34 (B4), Virapocalypse_37 (B1), Virgeve_36 (B1), Vista_37 (B1), Vivaldi_37 (B1), Vortex_37 (B1), Waleliano_34 (B4), Wallhey_36 (B1), Waterdiva_37 (B1), Weher20_37 (B1), West99_38 (B2), Windsor_36 (B1), Wooper_32 (DR), Xavier_36 (B1), Xincheng_33 (B4), Yago84_30 (DR), Yahalom_37 (B3), Yeshua_32 (DR), Yinz_37 (B3), Yoshand_37 (B1), YouGoGlencoco_37 (B1), Zaider_38 (B1), Zelda_37 (B1), Zemanar_35 (B4), Zenteno07_41 (B13), Zonia_37 (B1),

Start 85:
• Found in 30 of 1068 (2.8%) of genes in pham
• Manual Annotations of this start: 18 of 932
• Called 80.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_29 (DR), AnClar_30 (DR), AnarQue_31 (DR), Axumite_29 (DR), BiggityBass_29 (DR), Blackpen_31 (DR), CharlottesWeb_29 (DR), CloverMinnie_31 (DR), Coldpizza_32 (DR), Evaa_29 (DR), Fresco_29 (DR), JellyBelly_29 (DR), Ligma_29 (DR), LittleMunchkin_31 (DR), Mariokart_29 (DR), NHagos_29 (DR), Quesadilla_39 (B9), Shatter_29 (DR), Sisko_29 (DR), Sour_33 (DR), TPA2_39 (singleton), TraderJ_31 (DR), Wooper_31 (DR), Yago84_29 (DR),

Start 86:
• Found in 10 of 1068 (0.9%) of genes in pham

• Manual Annotations of this start: 5 of 932
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CaiB_31 (DR), FelixTres_31 (DR), MakoManhole_31 (DR), MossRose_31 (DR), Yeshua_31 (DR),

Start 88:
• Found in 10 of 1068 (0.9%) of genes in pham
• Manual Annotations of this start: 2 of 932
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Indlovu_34 (B11), Quesadilla_38 (B9),

Start 90:
• Found in 12 of 1068 (1.1%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: BobRoss2024_28 (DR),

Start 92:
• Found in 529 of 1068 (49.5%) of genes in pham
• Manual Annotations of this start: 1 of 932
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Chentzyk_37 (B3), JohnLord_34 (AD), KarasumaRum_37 (B5), StinkyVeggy_37 (B5),

Start 93:
• Found in 10 of 1068 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 932
• Called 10.0% of time when present
• Phage (with cluster) where this start called: PenguinLover67_38 (B9),

Start 105:
• Found in 315 of 1068 (29.5%) of genes in pham
• Manual Annotations of this start: 1 of 932
• Called 0.3% of time when present
• Phage (with cluster) where this start called: Badfish_36 (B1),

Start 236:
• Found in 3 of 1068 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 932
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BobRoss2024_29 (DR), BrownCNA_35 (B4), Evaa_30 (DR),

Summary by clusters:

There are 18 clusters represented in this pham: singleton, B2, B10, AI, B8, B11, B4, B5, B6, B7, B13, B1, W, B3, B12, DR, B9, AD,

Info for manual annotations of cluster AD:
•Start number 79 was manually annotated 4 times for cluster AD.
•Start number 84 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AI:

•Start number 80 was manually annotated 2 times for cluster AI.
•Start number 84 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:
•Start number 82 was manually annotated 91 times for cluster B1.
•Start number 83 was manually annotated 196 times for cluster B1.
•Start number 84 was manually annotated 287 times for cluster B1.
•Start number 105 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:
•Start number 82 was manually annotated 1 time for cluster B10.
•Start number 84 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 84 was manually annotated 1 time for cluster B11.
•Start number 88 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 84 was manually annotated 2 times for cluster B12.

Info for manual annotations of cluster B13:
•Start number 82 was manually annotated 3 times for cluster B13.
•Start number 84 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 79 was manually annotated 36 times for cluster B2.
•Start number 81 was manually annotated 1 time for cluster B2.
•Start number 84 was manually annotated 37 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 78 was manually annotated 51 times for cluster B3.
•Start number 84 was manually annotated 50 times for cluster B3.
•Start number 92 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:
•Start number 64 was manually annotated 28 times for cluster B4.
•Start number 84 was manually annotated 27 times for cluster B4.
•Start number 236 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:
•Start number 82 was manually annotated 11 times for cluster B5.
•Start number 84 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 82 was manually annotated 2 times for cluster B6.
•Start number 84 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 82 was manually annotated 1 time for cluster B7.
•Start number 84 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 68 was manually annotated 1 time for cluster B8.

•Start number 84 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 82 was manually annotated 3 times for cluster B9.
•Start number 84 was manually annotated 5 times for cluster B9.
•Start number 85 was manually annotated 1 time for cluster B9.
•Start number 88 was manually annotated 1 time for cluster B9.
•Start number 93 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster DR:
•Start number 84 was manually annotated 21 times for cluster DR.
•Start number 85 was manually annotated 17 times for cluster DR.
•Start number 86 was manually annotated 5 times for cluster DR.
•Start number 236 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster W:
•Start number 79 was manually annotated 8 times for cluster W.
•Start number 84 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_031 Start: 32716, Stop: 33324, Start Num: 84
Candidate Starts for 39HC_031:
(14, 32362), (27, 32515), (34, 32539), (59, 32662), (Start: 84 @32716 has 463 MA's), (119, 32860), (122, 32866), (136, 32917), (139, 32926), (140, 32929), (148, 32974), (154, 33001), (169, 33037), (173, 33043), (178, 33064), (207, 33172), (216, 33250), (225, 33292), (229, 33310),

Gene: 39HC_030 Start: 32075, Stop: 32719, Start Num: 82
Candidate Starts for 39HC_030:
(Start: 82 @32075 has 112 MA's), (104, 32150), (108, 32162), (127, 32252), (139, 32297), (167, 32411), (172, 32423), (178, 32447), (180, 32465), (182, 32480), (194, 32528), (233, 32708),

Gene: 40BC_030 Start: 32075, Stop: 32719, Start Num: 82
Candidate Starts for 40BC_030:
(Start: 82 @32075 has 112 MA's), (104, 32150), (108, 32162), (127, 32252), (139, 32297), (167, 32411), (172, 32423), (178, 32447), (180, 32465), (182, 32480), (194, 32528), (233, 32708),

Gene: 40BC_031 Start: 32716, Stop: 33324, Start Num: 84
Candidate Starts for 40BC_031:
(14, 32362), (27, 32515), (34, 32539), (59, 32662), (Start: 84 @32716 has 463 MA's), (119, 32860), (122, 32866), (136, 32917), (139, 32926), (140, 32929), (148, 32974), (154, 33001), (169, 33037), (173, 33043), (178, 33064), (207, 33172), (216, 33250), (225, 33292), (229, 33310),

Gene: ABU_37 Start: 34983, Stop: 35582, Start Num: 84
Candidate Starts for ABU_37:
(27, 34779), (34, 34803), (41, 34845), (44, 34863), (47, 34878), (Start: 84 @34983 has 463 MA's), (Start: 92 @35013 has 1 MA's), (95, 35025), (107, 35064), (111, 35079), (122, 35133), (134, 35178), (136, 35184), (138, 35190), (140, 35196), (148, 35241), (149, 35244), (155, 35271), (178, 35331), (181, 35352), (205, 35430),

Gene: ABU_36 Start: 34336, Stop: 34986, Start Num: 82

Candidate Starts for ABU_36:
(69, 34300), (Start: 82 @34336 has 112 MA's), (Start: 83 @34339 has 196 MA's), (Start: 105 @34420 has 1 MA's), (136, 34555), (155, 34642), (172, 34687), (186, 34765), (204, 34816), (209, 34843), (211, 34861), (222, 34939), (231, 34972), (235, 34978),

Gene: Abinghost_36 Start: 34276, Stop: 34929, Start Num: 78
Candidate Starts for Abinghost_36:
(Start: 78 @34276 has 51 MA's), (102, 34357), (107, 34381), (135, 34504), (170, 34630), (177, 34645), (189, 34720), (223, 34885), (224, 34888), (231, 34915),

Gene: Abinghost_37 Start: 34926, Stop: 35525, Start Num: 84
Candidate Starts for Abinghost_37:
(Start: 84 @34926 has 463 MA's), (Start: 92 @34956 has 1 MA's), (102, 34983), (119, 35070), (140, 35139), (145, 35163), (148, 35184), (178, 35274), (198, 35358), (203, 35370), (213, 35430), (224, 35490), (229, 35511),

Gene: AbsoluteMadLad_36 Start: 34992, Stop: 35591, Start Num: 84
Candidate Starts for AbsoluteMadLad_36:
(27, 34788), (34, 34812), (41, 34854), (44, 34872), (47, 34887), (Start: 84 @34992 has 463 MA's), (Start: 92 @35022 has 1 MA's), (95, 35034), (107, 35073), (111, 35088), (112, 35091), (122, 35142), (134, 35187), (136, 35193), (138, 35199), (140, 35205), (148, 35250), (149, 35253), (155, 35280), (178, 35340), (181, 35361), (205, 35439),

Gene: AbsoluteMadLad_35 Start: 34345, Stop: 34995, Start Num: 82
Candidate Starts for AbsoluteMadLad_35:
(38, 34198), (69, 34309), (Start: 82 @34345 has 112 MA's), (Start: 83 @34348 has 196 MA's), (Start: 105 @34429 has 1 MA's), (136, 34564), (155, 34651), (172, 34696), (186, 34774), (204, 34825), (209, 34852), (211, 34870), (222, 34948), (231, 34981), (235, 34987),

Gene: Acadian_35 Start: 34957, Stop: 35586, Start Num: 82
Candidate Starts for Acadian_35:
(Start: 82 @34957 has 112 MA's), (104, 35035), (108, 35047), (118, 35107), (135, 35173), (138, 35182), (140, 35188), (148, 35233), (168, 35281), (170, 35287), (211, 35461), (233, 35575),

Gene: Acadian_36 Start: 35583, Stop: 36191, Start Num: 84
Candidate Starts for Acadian_36:
(34, 35406), (44, 35463), (Start: 84 @35583 has 463 MA's), (Start: 92 @35613 has 1 MA's), (108, 35667), (116, 35712), (119, 35727), (122, 35733), (127, 35748), (136, 35784), (138, 35790), (140, 35796), (149, 35844), (158, 35877), (198, 36015), (201, 36021), (225, 36159), (229, 36177),

Gene: Adriana_37 Start: 34981, Stop: 35580, Start Num: 84
Candidate Starts for Adriana_37:
(27, 34777), (34, 34801), (41, 34843), (44, 34861), (47, 34876), (Start: 84 @34981 has 463 MA's), (Start: 92 @35011 has 1 MA's), (95, 35023), (107, 35062), (111, 35077), (122, 35131), (134, 35176), (136, 35182), (138, 35188), (140, 35194), (148, 35239), (149, 35242), (155, 35269), (178, 35329), (181, 35350), (205, 35428),

Gene: Adriana_36 Start: 34337, Stop: 34984, Start Num: 83
Candidate Starts for Adriana_36:
(69, 34298), (Start: 82 @34334 has 112 MA's), (Start: 83 @34337 has 196 MA's), (Start: 105 @34418 has 1 MA's), (136, 34553), (155, 34640), (172, 34685), (186, 34763), (204, 34814), (209, 34841), (211, 34859), (222, 34937), (231, 34970), (235, 34976),

Gene: Aelin_35 Start: 33903, Stop: 34550, Start Num: 83
Candidate Starts for Aelin_35:
(38, 33753), (69, 33864), (Start: 82 @33900 has 112 MA's), (Start: 83 @33903 has 196 MA's), (Start: 105 @33984 has 1 MA's), (136, 34119), (155, 34206), (172, 34251), (186, 34329), (204, 34380), (209, 34407), (211, 34425), (222, 34503), (231, 34536), (235, 34542),

Gene: Aelin_36 Start: 34547, Stop: 35146, Start Num: 84
Candidate Starts for Aelin_36:
(27, 34343), (34, 34367), (41, 34409), (44, 34427), (47, 34442), (Start: 84 @34547 has 463 MA's), (Start: 92 @34577 has 1 MA's), (95, 34589), (107, 34628), (111, 34643), (122, 34697), (134, 34742), (136, 34748), (138, 34754), (140, 34760), (148, 34805), (149, 34808), (155, 34835), (178, 34895), (181, 34916), (205, 34994),

Gene: Ahwei_33 Start: 34150, Stop: 34755, Start Num: 84
Candidate Starts for Ahwei_33:
(Start: 84 @34150 has 463 MA's), (Start: 92 @34186 has 1 MA's), (107, 34237), (108, 34240), (119, 34300), (122, 34306), (134, 34351), (137, 34360), (138, 34363), (139, 34366), (145, 34393), (155, 34444), (179, 34510), (181, 34525), (198, 34588), (211, 34645), (225, 34723), (229, 34741),

Gene: Ahwei_32 Start: 33506, Stop: 34153, Start Num: 64
Candidate Starts for Ahwei_32:
(Start: 64 @33506 has 28 MA's), (94, 33584), (97, 33596), (115, 33668), (124, 33692), (129, 33713), (130, 33722), (131, 33725), (134, 33734), (135, 33737), (146, 33782), (157, 33836), (164, 33854), (181, 33914), (185, 33926), (205, 33986), (209, 34010), (211, 34028), (225, 34115), (233, 34142),

Gene: Akoma_36 Start: 34280, Stop: 34933, Start Num: 78
Candidate Starts for Akoma_36:
(Start: 78 @34280 has 51 MA's), (102, 34361), (135, 34508), (170, 34634), (177, 34649), (189, 34724), (223, 34889), (231, 34919),

Gene: Akoma_37 Start: 34930, Stop: 35529, Start Num: 84
Candidate Starts for Akoma_37:
(26, 34726), (Start: 84 @34930 has 463 MA's), (Start: 92 @34960 has 1 MA's), (102, 34987), (119, 35074), (122, 35080), (140, 35143), (145, 35167), (178, 35278), (198, 35362), (203, 35374), (213, 35434), (229, 35515),

Gene: AksarBAT_29 Start: 27983, Stop: 28597, Start Num: 85
Candidate Starts for AksarBAT_29:
(Start: 85 @27983 has 18 MA's), (110, 28073), (111, 28076), (117, 28115), (123, 28136), (135, 28184), (136, 28187), (168, 28292), (170, 28298), (206, 28430), (224, 28556), (233, 28586),

Gene: AksarBAT_30 Start: 28594, Stop: 29190, Start Num: 84
Candidate Starts for AksarBAT_30:
(34, 28417), (60, 28540), (Start: 84 @28594 has 463 MA's), (Start: 92 @28624 has 1 MA's), (102, 28651), (108, 28678), (119, 28738), (122, 28744), (135, 28792), (136, 28795), (138, 28801), (149, 28855), (158, 28888), (171, 28918), (181, 28963), (201, 29032), (205, 29041), (207, 29050), (229, 29176),

Gene: AlanGrant_35 Start: 35904, Stop: 36506, Start Num: 84
Candidate Starts for AlanGrant_35:
(Start: 84 @35904 has 463 MA's), (Start: 92 @35937 has 1 MA's), (95, 35949), (119, 36051), (122, 36057), (127, 36072), (134, 36102), (136, 36108), (138, 36114), (145, 36144), (148, 36165), (171, 36231), (178, 36255), (179, 36261), (181, 36276), (183, 36288), (203, 36351), (205, 36354), (224,

36471), (225, 36474), (229, 36492),

Gene: AlanGrant_34 Start: 35254, Stop: 35907, Start Num: 64
Candidate Starts for AlanGrant_34:
(Start: 64 @35254 has 28 MA's), (99, 35347), (117, 35428), (122, 35443), (129, 35467), (130, 35476), (131, 35479), (134, 35488), (146, 35536), (157, 35590), (159, 35593), (161, 35602), (164, 35608), (166, 35611), (181, 35668), (185, 35680), (205, 35740), (209, 35764), (233, 35896),

Gene: Aleia_37 Start: 34564, Stop: 35163, Start Num: 84
Candidate Starts for Aleia_37:
(26, 34357), (27, 34360), (34, 34384), (41, 34426), (44, 34444), (47, 34459), (Start: 84 @34564 has 463 MA's), (Start: 92 @34594 has 1 MA's), (95, 34606), (107, 34645), (111, 34660), (122, 34714), (134, 34759), (136, 34765), (138, 34771), (140, 34777), (148, 34822), (149, 34825), (155, 34852), (178, 34912), (181, 34933), (198, 34996), (205, 35011),

Gene: Aleia_36 Start: 33920, Stop: 34567, Start Num: 83
Candidate Starts for Aleia_36:
(69, 33881), (Start: 82 @33917 has 112 MA's), (Start: 83 @33920 has 196 MA's), (Start: 105 @34001 has 1 MA's), (136, 34136), (155, 34223), (172, 34268), (185, 34337), (186, 34346), (204, 34397), (211, 34442), (222, 34520), (231, 34553), (235, 34559),

Gene: Allegro_38 Start: 35466, Stop: 36065, Start Num: 84
Candidate Starts for Allegro_38:
(Start: 78 @35445 has 51 MA's), (Start: 84 @35466 has 463 MA's), (Start: 92 @35496 has 1 MA's), (98, 35517), (107, 35547), (108, 35550), (122, 35616), (136, 35667), (137, 35670), (138, 35673), (145, 35703), (148, 35724), (171, 35790), (179, 35820), (203, 35910), (205, 35913), (208, 35931), (211, 35955), (222, 36024), (229, 36051),

Gene: Allegro_36 Start: 34676, Stop: 35320, Start Num: 79
Candidate Starts for Allegro_36:
(32, 34511), (54, 34622), (Start: 79 @34676 has 48 MA's), (Start: 81 @34685 has 1 MA's), (102, 34754), (108, 34781), (110, 34790), (132, 34895), (136, 34907), (140, 34919), (168, 35012), (182, 35078), (186, 35099), (191, 35114), (193, 35120), (200, 35141), (206, 35153), (233, 35309),

Gene: AltPhacts_37 Start: 34970, Stop: 35569, Start Num: 84
Candidate Starts for AltPhacts_37:
(27, 34766), (34, 34790), (41, 34832), (44, 34850), (47, 34865), (Start: 84 @34970 has 463 MA's), (Start: 92 @35000 has 1 MA's), (95, 35012), (107, 35051), (111, 35066), (122, 35120), (134, 35165), (136, 35171), (138, 35177), (140, 35183), (148, 35228), (149, 35231), (155, 35258), (178, 35318), (181, 35339), (205, 35417),

Gene: AltPhacts_36 Start: 34326, Stop: 34973, Start Num: 83
Candidate Starts for AltPhacts_36:
(38, 34176), (69, 34287), (Start: 82 @34323 has 112 MA's), (Start: 83 @34326 has 196 MA's), (Start: 105 @34407 has 1 MA's), (136, 34542), (155, 34629), (172, 34674), (186, 34752), (204, 34803), (209, 34830), (211, 34848), (222, 34926), (231, 34959), (235, 34965),

Gene: Altwerkus_36 Start: 34671, Stop: 35270, Start Num: 84
Candidate Starts for Altwerkus_36:
(27, 34467), (34, 34491), (41, 34533), (44, 34551), (47, 34566), (Start: 84 @34671 has 463 MA's), (Start: 92 @34701 has 1 MA's), (95, 34713), (107, 34752), (111, 34767), (122, 34821), (134, 34866), (136, 34872), (138, 34878), (140, 34884), (148, 34929), (149, 34932), (155, 34959), (178, 35019), (181, 35040), (205, 35118),

Gene: Altwerkus_35 Start: 34024, Stop: 34674, Start Num: 82
Candidate Starts for Altwerkus_35:
(38, 33877), (69, 33988), (Start: 82 @34024 has 112 MA's), (Start: 83 @34027 has 196 MA's), (Start: 105 @34108 has 1 MA's), (136, 34243), (155, 34330), (172, 34375), (186, 34453), (204, 34504), (209, 34531), (211, 34549), (222, 34627), (231, 34660), (235, 34666),

Gene: AnClar_31 Start: 30955, Stop: 31584, Start Num: 84
Candidate Starts for AnClar_31:
(34, 30778), (Start: 84 @30955 has 463 MA's), (Start: 92 @30985 has 1 MA's), (102, 31012), (119, 31099), (122, 31105), (135, 31153), (138, 31162), (145, 31192), (148, 31213), (160, 31258), (169, 31276), (171, 31279), (205, 31402), (207, 31411), (208, 31420),

Gene: AnClar_30 Start: 30344, Stop: 30958, Start Num: 85
Candidate Starts for AnClar_30:
(Start: 85 @30344 has 18 MA's), (90, 30359), (104, 30413), (111, 30437), (117, 30476), (135, 30545), (136, 30548), (146, 30587), (150, 30611), (168, 30653), (174, 30665), (219, 30890), (222, 30911), (224, 30917), (233, 30947),

Gene: AnarQue_31 Start: 29470, Stop: 30084, Start Num: 85
Candidate Starts for AnarQue_31:
(Start: 85 @29470 has 18 MA's), (Start: 86 @29473 has 5 MA's), (104, 29539), (109, 29554), (111, 29563), (117, 29602), (123, 29623), (127, 29638), (135, 29671), (145, 29710), (146, 29713), (148, 29731), (170, 29785), (224, 30043), (233, 30073),

Gene: AnarQue_32 Start: 30081, Stop: 30677, Start Num: 84
Candidate Starts for AnarQue_32:
(34, 29904), (41, 29943), (42, 29952), (58, 30015), (60, 30027), (Start: 84 @30081 has 463 MA's), (Start: 92 @30111 has 1 MA's), (119, 30225), (122, 30231), (136, 30282), (138, 30288), (148, 30339), (149, 30342), (171, 30405), (177, 30417), (178, 30429), (187, 30480), (197, 30510), (205, 30528), (207, 30537), (229, 30663),

Gene: Anderson_36 Start: 34332, Stop: 34979, Start Num: 83
Candidate Starts for Anderson_36:
(38, 34182), (69, 34293), (Start: 82 @34329 has 112 MA's), (Start: 83 @34332 has 196 MA's), (Start: 105 @34413 has 1 MA's), (136, 34548), (155, 34635), (172, 34680), (186, 34758), (204, 34809), (209, 34836), (211, 34854), (222, 34932), (231, 34965), (235, 34971),

Gene: Anderson_37 Start: 34976, Stop: 35575, Start Num: 84
Candidate Starts for Anderson_37:
(27, 34772), (34, 34796), (41, 34838), (44, 34856), (47, 34871), (Start: 84 @34976 has 463 MA's), (Start: 92 @35006 has 1 MA's), (95, 35018), (107, 35057), (111, 35072), (122, 35126), (134, 35171), (136, 35177), (138, 35183), (140, 35189), (148, 35234), (149, 35237), (155, 35264), (178, 35324), (181, 35345), (205, 35423),

Gene: Andre_37 Start: 34975, Stop: 35574, Start Num: 84
Candidate Starts for Andre_37:
(27, 34771), (34, 34795), (41, 34837), (44, 34855), (47, 34870), (Start: 84 @34975 has 463 MA's), (Start: 92 @35005 has 1 MA's), (95, 35017), (107, 35056), (111, 35071), (122, 35125), (134, 35170), (136, 35176), (138, 35182), (140, 35188), (148, 35233), (149, 35236), (155, 35263), (178, 35323), (181, 35344), (205, 35422),

Gene: Andre_36 Start: 34331, Stop: 34978, Start Num: 83

Candidate Starts for Andre_36:
(38, 34181), (69, 34292), (Start: 82 @34328 has 112 MA's), (Start: 83 @34331 has 196 MA's), (Start: 105 @34412 has 1 MA's), (136, 34547), (155, 34634), (172, 34679), (186, 34757), (204, 34808), (209, 34835), (211, 34853), (222, 34931), (231, 34964), (235, 34970),

Gene: AngelCake_36 Start: 34351, Stop: 34998, Start Num: 83
Candidate Starts for AngelCake_36:
(69, 34312), (Start: 82 @34348 has 112 MA's), (Start: 83 @34351 has 196 MA's), (Start: 105 @34432 has 1 MA's), (136, 34567), (155, 34654), (172, 34699), (186, 34777), (204, 34828), (209, 34855), (211, 34873), (222, 34951), (231, 34984), (235, 34990),

Gene: AngelCake_37 Start: 34995, Stop: 35594, Start Num: 84
Candidate Starts for AngelCake_37:
(27, 34791), (34, 34815), (41, 34857), (44, 34875), (47, 34890), (Start: 84 @34995 has 463 MA's), (Start: 92 @35025 has 1 MA's), (95, 35037), (107, 35076), (111, 35091), (122, 35145), (134, 35190), (136, 35196), (138, 35202), (140, 35208), (148, 35253), (149, 35256), (155, 35283), (178, 35343), (181, 35364), (198, 35427), (205, 35442),

Gene: Antihero_32 Start: 33506, Stop: 34153, Start Num: 64
Candidate Starts for Antihero_32:
(Start: 64 @33506 has 28 MA's), (94, 33584), (97, 33596), (115, 33668), (124, 33692), (129, 33713), (130, 33722), (131, 33725), (134, 33734), (135, 33737), (146, 33782), (157, 33836), (164, 33854), (181, 33914), (185, 33926), (205, 33986), (209, 34010), (211, 34028), (225, 34115), (233, 34142),

Gene: Antihero_33 Start: 34150, Stop: 34755, Start Num: 84
Candidate Starts for Antihero_33:
(Start: 84 @34150 has 463 MA's), (Start: 92 @34186 has 1 MA's), (107, 34237), (108, 34240), (119, 34300), (122, 34306), (134, 34351), (137, 34360), (138, 34363), (139, 34366), (145, 34393), (155, 34444), (179, 34510), (181, 34525), (198, 34588), (211, 34645), (225, 34723), (229, 34741),

Gene: Antonia_35 Start: 33900, Stop: 34550, Start Num: 82
Candidate Starts for Antonia_35:
(38, 33753), (69, 33864), (Start: 82 @33900 has 112 MA's), (Start: 83 @33903 has 196 MA's), (Start: 105 @33984 has 1 MA's), (136, 34119), (155, 34206), (172, 34251), (186, 34329), (204, 34380), (209, 34407), (211, 34425), (222, 34503), (231, 34536), (235, 34542),

Gene: Antonia_36 Start: 34547, Stop: 35146, Start Num: 84
Candidate Starts for Antonia_36:
(27, 34343), (34, 34367), (41, 34409), (44, 34427), (47, 34442), (Start: 84 @34547 has 463 MA's), (Start: 92 @34577 has 1 MA's), (95, 34589), (107, 34628), (111, 34643), (122, 34697), (134, 34742), (136, 34748), (138, 34754), (140, 34760), (148, 34805), (149, 34808), (155, 34835), (178, 34895), (181, 34916), (205, 34994),

Gene: Aonishiki_36 Start: 34375, Stop: 35022, Start Num: 83
Candidate Starts for Aonishiki_36:
(69, 34336), (Start: 82 @34372 has 112 MA's), (Start: 83 @34375 has 196 MA's), (98, 34432), (Start: 105 @34456 has 1 MA's), (136, 34591), (155, 34678), (172, 34723), (186, 34801), (204, 34852), (209, 34879), (211, 34897), (222, 34975), (231, 35008), (235, 35014),

Gene: Aonishiki_37 Start: 35019, Stop: 35618, Start Num: 84
Candidate Starts for Aonishiki_37:
(27, 34815), (34, 34839), (41, 34881), (44, 34899), (47, 34914), (Start: 84 @35019 has 463 MA's), (Start: 92 @35049 has 1 MA's), (95, 35061), (107, 35100), (111, 35115), (122, 35169), (134, 35214),

(136, 35220), (138, 35226), (140, 35232), (148, 35277), (149, 35280), (155, 35307), (178, 35367), (181, 35388), (205, 35466),

Gene: Apex_33 Start: 34712, Stop: 35359, Start Num: 64
Candidate Starts for Apex_33:
(Start: 64 @34712 has 28 MA's), (94, 34790), (97, 34802), (115, 34874), (124, 34898), (130, 34928), (131, 34931), (134, 34940), (146, 34988), (157, 35042), (164, 35060), (181, 35120), (185, 35132), (205, 35192), (209, 35216), (211, 35234), (225, 35321), (226, 35324), (233, 35348),

Gene: Apex_34 Start: 35356, Stop: 35961, Start Num: 84
Candidate Starts for Apex_34:
(Start: 84 @35356 has 463 MA's), (Start: 92 @35392 has 1 MA's), (102, 35419), (107, 35443), (108, 35446), (119, 35506), (122, 35512), (134, 35557), (137, 35566), (138, 35569), (139, 35572), (145, 35599), (148, 35620), (155, 35650), (179, 35716), (181, 35731), (198, 35794), (211, 35851), (225, 35929), (229, 35947),

Gene: Apizium_35 Start: 34092, Stop: 34742, Start Num: 82
Candidate Starts for Apizium_35:
(38, 33945), (69, 34056), (Start: 82 @34092 has 112 MA's), (Start: 83 @34095 has 196 MA's), (Start: 105 @34176 has 1 MA's), (136, 34311), (155, 34398), (172, 34443), (186, 34521), (204, 34572), (209, 34599), (211, 34617), (222, 34695), (231, 34728), (235, 34734),

Gene: Apizium_36 Start: 34739, Stop: 35338, Start Num: 84
Candidate Starts for Apizium_36:
(27, 34535), (34, 34559), (41, 34601), (44, 34619), (47, 34634), (Start: 84 @34739 has 463 MA's), (Start: 92 @34769 has 1 MA's), (95, 34781), (107, 34820), (111, 34835), (122, 34889), (134, 34934), (136, 34940), (138, 34946), (140, 34952), (148, 34997), (149, 35000), (155, 35027), (178, 35087), (181, 35108), (205, 35186),

Gene: Arbiter_36 Start: 34765, Stop: 35409, Start Num: 79
Candidate Starts for Arbiter_36:
(32, 34600), (54, 34711), (Start: 79 @34765 has 48 MA's), (Start: 81 @34774 has 1 MA's), (102, 34843), (108, 34870), (110, 34879), (113, 34888), (136, 34996), (140, 35008), (168, 35101), (182, 35167), (186, 35188), (191, 35203), (193, 35209), (200, 35230), (206, 35242), (233, 35398),

Gene: Arbiter_37 Start: 35555, Stop: 36154, Start Num: 84
Candidate Starts for Arbiter_37:
(Start: 78 @35534 has 51 MA's), (Start: 84 @35555 has 463 MA's), (Start: 92 @35585 has 1 MA's), (98, 35606), (107, 35636), (108, 35639), (122, 35705), (136, 35756), (137, 35759), (138, 35762), (145, 35792), (148, 35813), (171, 35879), (179, 35909), (203, 35999), (205, 36002), (208, 36020), (211, 36044), (222, 36113), (229, 36140),

Gene: Ares_36 Start: 34749, Stop: 35393, Start Num: 79
Candidate Starts for Ares_36:
(22, 34548), (Start: 79 @34749 has 48 MA's), (Start: 81 @34758 has 1 MA's), (102, 34827), (108, 34854), (110, 34863), (132, 34968), (136, 34980), (140, 34992), (168, 35085), (182, 35151), (186, 35172), (191, 35187), (193, 35193), (206, 35226), (233, 35382),

Gene: Ares_38 Start: 35539, Stop: 36138, Start Num: 84
Candidate Starts for Ares_38:
(Start: 78 @35518 has 51 MA's), (Start: 84 @35539 has 463 MA's), (Start: 92 @35569 has 1 MA's), (Start: 93 @35572 has 1 MA's), (98, 35590), (107, 35620), (108, 35623), (122, 35689), (136, 35740), (137, 35743), (138, 35746), (145, 35776), (148, 35797), (171, 35863), (179, 35893), (203, 35983),

(205, 35986), (208, 36004), (211, 36028), (222, 36097), (229, 36124),

Gene: Argie_31 Start: 32516, Stop: 33115, Start Num: 84
Candidate Starts for Argie_31:
(Start: 84 @32516 has 463 MA's), (Start: 92 @32546 has 1 MA's), (98, 32567), (102, 32573), (119, 32660), (122, 32666), (136, 32717), (140, 32729), (145, 32753), (148, 32774), (152, 32792), (158, 32810), (169, 32837), (209, 32987), (211, 33005), (224, 33080), (229, 33101),

Gene: Argie_29 Start: 31722, Stop: 32366, Start Num: 79
Candidate Starts for Argie_29:
(Start: 79 @31722 has 48 MA's), (Start: 84 @31740 has 463 MA's), (Start: 92 @31773 has 1 MA's), (101, 31797), (110, 31836), (113, 31845), (123, 31902), (136, 31953), (138, 31959), (140, 31965), (155, 32040), (172, 32067), (182, 32124), (185, 32136), (193, 32166), (211, 32241), (221, 32313),

Gene: Ashraf_35 Start: 33899, Stop: 34546, Start Num: 83
Candidate Starts for Ashraf_35:
(69, 33860), (Start: 82 @33896 has 112 MA's), (Start: 83 @33899 has 196 MA's), (Start: 105 @33980 has 1 MA's), (136, 34115), (155, 34202), (172, 34247), (185, 34316), (186, 34325), (204, 34376), (211, 34421), (222, 34499), (231, 34532), (235, 34538),

Gene: Ashraf_36 Start: 34543, Stop: 35142, Start Num: 84
Candidate Starts for Ashraf_36:
(26, 34336), (27, 34339), (34, 34363), (41, 34405), (44, 34423), (47, 34438), (Start: 84 @34543 has 463 MA's), (Start: 92 @34573 has 1 MA's), (95, 34585), (107, 34624), (111, 34639), (122, 34693), (134, 34738), (136, 34744), (138, 34750), (140, 34756), (148, 34801), (149, 34804), (155, 34831), (178, 34891), (181, 34912), (198, 34975), (205, 34990),

Gene: Athena_38 Start: 35677, Stop: 36276, Start Num: 84
Candidate Starts for Athena_38:
(Start: 84 @35677 has 463 MA's), (Start: 92 @35707 has 1 MA's), (102, 35734), (119, 35821), (122, 35827), (140, 35890), (145, 35914), (178, 36025), (198, 36109), (203, 36121), (213, 36181), (229, 36262),

Gene: Athena_37 Start: 35027, Stop: 35680, Start Num: 78
Candidate Starts for Athena_37:
(Start: 78 @35027 has 51 MA's), (102, 35108), (107, 35132), (135, 35255), (170, 35381), (177, 35396), (189, 35471), (223, 35636), (224, 35639), (231, 35666),

Gene: Audrey_36 Start: 34276, Stop: 34929, Start Num: 78
Candidate Starts for Audrey_36:
(Start: 78 @34276 has 51 MA's), (102, 34357), (107, 34381), (135, 34504), (170, 34630), (177, 34645), (189, 34720), (223, 34885), (224, 34888), (231, 34915),

Gene: Audrey_37 Start: 34926, Stop: 35525, Start Num: 84
Candidate Starts for Audrey_37:
(Start: 84 @34926 has 463 MA's), (Start: 92 @34956 has 1 MA's), (102, 34983), (119, 35070), (122, 35076), (140, 35139), (145, 35163), (148, 35184), (178, 35274), (198, 35358), (203, 35370), (213, 35430), (224, 35490), (229, 35511),

Gene: Austelle_35 Start: 35812, Stop: 36417, Start Num: 84
Candidate Starts for Austelle_35:
(Start: 84 @35812 has 463 MA's), (Start: 92 @35848 has 1 MA's), (102, 35875), (107, 35899), (108, 35902), (119, 35962), (122, 35968), (134, 36013), (137, 36022), (138, 36025), (139, 36028), (145,

36055), (148, 36076), (155, 36106), (179, 36172), (181, 36187), (198, 36250), (211, 36307), (225, 36385), (229, 36403),

Gene: Austelle_34 Start: 35168, Stop: 35815, Start Num: 64
Candidate Starts for Austelle_34:
(Start: 64 @35168 has 28 MA's), (94, 35246), (97, 35258), (115, 35330), (124, 35354), (130, 35384), (131, 35387), (134, 35396), (146, 35444), (157, 35498), (164, 35516), (181, 35576), (185, 35588), (205, 35648), (209, 35672), (211, 35690), (225, 35777), (226, 35780), (233, 35804),

Gene: Axumite_30 Start: 28099, Stop: 28731, Start Num: 84
Candidate Starts for Axumite_30:
(34, 27922), (Start: 84 @28099 has 463 MA's), (Start: 92 @28132 has 1 MA's), (102, 28159), (122, 28252), (135, 28300), (138, 28309), (148, 28360), (169, 28423), (171, 28426), (185, 28489), (205, 28549), (207, 28558), (208, 28567), (227, 28705),

Gene: Axumite_29 Start: 27488, Stop: 28102, Start Num: 85
Candidate Starts for Axumite_29:
(39, 27338), (Start: 85 @27488 has 18 MA's), (90, 27503), (Start: 93 @27521 has 1 MA's), (104, 27557), (111, 27581), (117, 27620), (135, 27689), (136, 27692), (137, 27695), (168, 27797), (219, 28034), (222, 28055), (224, 28061), (233, 28091),

Gene: Badfish_36 Start: 34443, Stop: 35009, Start Num: 105
Candidate Starts for Badfish_36:
(Start: 105 @34443 has 1 MA's), (136, 34578), (155, 34665), (172, 34710), (186, 34788), (204, 34839), (209, 34866), (211, 34884), (222, 34962), (231, 34995), (235, 35001),

Gene: Badfish_37 Start: 35006, Stop: 35605, Start Num: 84
Candidate Starts for Badfish_37:
(27, 34802), (34, 34826), (41, 34868), (44, 34886), (47, 34901), (Start: 84 @35006 has 463 MA's), (Start: 92 @35036 has 1 MA's), (95, 35048), (107, 35087), (111, 35102), (122, 35156), (134, 35201), (136, 35207), (138, 35213), (140, 35219), (148, 35264), (149, 35267), (155, 35294), (178, 35354), (181, 35375), (205, 35453),

Gene: Baee_35 Start: 35510, Stop: 36118, Start Num: 84
Candidate Starts for Baee_35:
(Start: 84 @35510 has 463 MA's), (Start: 92 @35540 has 1 MA's), (122, 35660), (127, 35675), (136, 35711), (138, 35717), (140, 35723), (149, 35771), (196, 35936), (198, 35942), (216, 36044), (225, 36086), (229, 36104),

Gene: Baee_34 Start: 34774, Stop: 35403, Start Num: 82
Candidate Starts for Baee_34:
(Start: 82 @34774 has 112 MA's), (104, 34852), (108, 34864), (118, 34924), (135, 34990), (140, 35005), (148, 35050), (168, 35098), (170, 35104), (211, 35278), (227, 35371), (233, 35392),

Gene: Baloo_36 Start: 34279, Stop: 34932, Start Num: 78
Candidate Starts for Baloo_36:
(Start: 78 @34279 has 51 MA's), (102, 34360), (107, 34384), (135, 34507), (170, 34633), (177, 34648), (189, 34723), (223, 34888), (224, 34891), (231, 34918),

Gene: Baloo_37 Start: 34929, Stop: 35528, Start Num: 84
Candidate Starts for Baloo_37:
(Start: 84 @34929 has 463 MA's), (Start: 92 @34959 has 1 MA's), (102, 34986), (119, 35073), (122, 35079), (140, 35142), (145, 35166), (148, 35187), (178, 35277), (198, 35361), (203, 35373), (213,

35433), (229, 35514),

Gene: Bananafish_36 Start: 34685, Stop: 35329, Start Num: 79
Candidate Starts for Bananafish_36:
(32, 34520), (54, 34631), (Start: 79 @34685 has 48 MA's), (Start: 81 @34694 has 1 MA's), (102, 34763), (108, 34790), (110, 34799), (113, 34808), (136, 34916), (140, 34928), (168, 35021), (182, 35087), (186, 35108), (191, 35123), (193, 35129), (200, 35150), (206, 35162), (233, 35318),

Gene: Bananafish_38 Start: 35475, Stop: 36074, Start Num: 84
Candidate Starts for Bananafish_38:
(Start: 78 @35454 has 51 MA's), (Start: 84 @35475 has 463 MA's), (Start: 92 @35505 has 1 MA's), (98, 35526), (107, 35556), (108, 35559), (122, 35625), (136, 35676), (137, 35679), (138, 35682), (145, 35712), (148, 35733), (171, 35799), (179, 35829), (203, 35919), (205, 35922), (208, 35940), (211, 35964), (222, 36033), (229, 36060),

Gene: Banjo_36 Start: 34681, Stop: 35280, Start Num: 84
Candidate Starts for Banjo_36:
(27, 34477), (34, 34501), (41, 34543), (44, 34561), (47, 34576), (Start: 84 @34681 has 463 MA's), (Start: 92 @34711 has 1 MA's), (95, 34723), (107, 34762), (111, 34777), (122, 34831), (134, 34876), (136, 34882), (138, 34888), (140, 34894), (148, 34939), (149, 34942), (155, 34969), (178, 35029), (181, 35050), (205, 35128),

Gene: Banjo_35 Start: 34037, Stop: 34684, Start Num: 83
Candidate Starts for Banjo_35:
(69, 33998), (Start: 82 @34034 has 112 MA's), (Start: 83 @34037 has 196 MA's), (Start: 105 @34118 has 1 MA's), (136, 34253), (155, 34340), (172, 34385), (186, 34463), (204, 34514), (209, 34541), (211, 34559), (222, 34637), (231, 34670), (235, 34676),

Gene: Basato_38 Start: 35260, Stop: 35859, Start Num: 84
Candidate Starts for Basato_38:
(27, 35056), (34, 35080), (41, 35122), (44, 35140), (47, 35155), (Start: 84 @35260 has 463 MA's), (Start: 92 @35290 has 1 MA's), (95, 35302), (107, 35341), (111, 35356), (112, 35359), (122, 35410), (134, 35455), (136, 35461), (138, 35467), (140, 35473), (148, 35518), (149, 35521), (155, 35548), (178, 35608), (181, 35629), (205, 35707),

Gene: Basato_37 Start: 34616, Stop: 35263, Start Num: 83
Candidate Starts for Basato_37:
(38, 34466), (69, 34577), (Start: 82 @34613 has 112 MA's), (Start: 83 @34616 has 196 MA's), (Start: 105 @34697 has 1 MA's), (136, 34832), (155, 34919), (172, 34964), (186, 35042), (204, 35093), (209, 35120), (211, 35138), (222, 35216), (231, 35249), (235, 35255),

Gene: BatteryCK_36 Start: 34600, Stop: 35199, Start Num: 84
Candidate Starts for BatteryCK_36:
(26, 34393), (27, 34396), (34, 34420), (41, 34462), (44, 34480), (47, 34495), (Start: 84 @34600 has 463 MA's), (Start: 92 @34630 has 1 MA's), (95, 34642), (107, 34681), (111, 34696), (122, 34750), (134, 34795), (136, 34801), (138, 34807), (140, 34813), (148, 34858), (149, 34861), (155, 34888), (178, 34948), (181, 34969), (198, 35032), (205, 35047),

Gene: BatteryCK_35 Start: 33956, Stop: 34603, Start Num: 83
Candidate Starts for BatteryCK_35:
(69, 33917), (Start: 82 @33953 has 112 MA's), (Start: 83 @33956 has 196 MA's), (Start: 105 @34037 has 1 MA's), (136, 34172), (155, 34259), (172, 34304), (185, 34373), (186, 34382), (204, 34433), (211, 34478), (222, 34556), (231, 34589), (235, 34595),

Gene: Beaglebox_35 Start: 34058, Stop: 34705, Start Num: 83
Candidate Starts for Beaglebox_35:
(38, 33908), (69, 34019), (Start: 82 @34055 has 112 MA's), (Start: 83 @34058 has 196 MA's), (Start: 105 @34139 has 1 MA's), (136, 34274), (155, 34361), (172, 34406), (186, 34484), (204, 34535), (209, 34562), (211, 34580), (222, 34658), (231, 34691), (235, 34697),

Gene: Beaglebox_36 Start: 34702, Stop: 35301, Start Num: 84
Candidate Starts for Beaglebox_36:
(27, 34498), (34, 34522), (41, 34564), (44, 34582), (47, 34597), (Start: 84 @34702 has 463 MA's), (Start: 92 @34732 has 1 MA's), (95, 34744), (107, 34783), (111, 34798), (122, 34852), (134, 34897), (136, 34903), (138, 34909), (140, 34915), (148, 34960), (149, 34963), (155, 34990), (178, 35050), (181, 35071), (205, 35149),

Gene: Ben11_36 Start: 34748, Stop: 35347, Start Num: 84
Candidate Starts for Ben11_36:
(Start: 84 @34748 has 463 MA's), (Start: 92 @34778 has 1 MA's), (102, 34805), (119, 34892), (122, 34898), (140, 34961), (145, 34985), (148, 35006), (178, 35096), (198, 35180), (203, 35192), (213, 35252), (224, 35312), (229, 35333),

Gene: Ben11_35 Start: 34098, Stop: 34751, Start Num: 78
Candidate Starts for Ben11_35:
(Start: 78 @34098 has 51 MA's), (102, 34179), (107, 34203), (135, 34326), (170, 34452), (177, 34467), (189, 34542), (223, 34707), (231, 34737),

Gene: Bernardo_37 Start: 35016, Stop: 35615, Start Num: 84
Candidate Starts for Bernardo_37:
(Start: 84 @35016 has 463 MA's), (Start: 92 @35046 has 1 MA's), (102, 35073), (119, 35160), (122, 35166), (140, 35229), (145, 35253), (148, 35274), (178, 35364), (198, 35448), (203, 35460), (213, 35520), (224, 35580), (229, 35601),

Gene: Bernardo_36 Start: 34366, Stop: 35019, Start Num: 78
Candidate Starts for Bernardo_36:
(Start: 78 @34366 has 51 MA's), (102, 34447), (107, 34471), (135, 34594), (170, 34720), (177, 34735), (189, 34810), (223, 34975), (224, 34978), (231, 35005),

Gene: BiggityBass_29 Start: 29751, Stop: 30365, Start Num: 85
Candidate Starts for BiggityBass_29:
(Start: 85 @29751 has 18 MA's), (90, 29766), (104, 29820), (135, 29952), (136, 29955), (150, 30018), (168, 30060), (174, 30072), (182, 30126), (219, 30297), (222, 30318), (224, 30324), (233, 30354),

Gene: BiggityBass_30 Start: 30362, Stop: 30991, Start Num: 84
Candidate Starts for BiggityBass_30:
(34, 30185), (Start: 84 @30362 has 463 MA's), (Start: 92 @30392 has 1 MA's), (102, 30419), (119, 30506), (122, 30512), (135, 30560), (138, 30569), (144, 30596), (145, 30599), (148, 30620), (160, 30665), (169, 30683), (171, 30686), (205, 30809), (207, 30818), (208, 30827), (211, 30851),

Gene: BirdsNest_39 Start: 33925, Stop: 34533, Start Num: 84
Candidate Starts for BirdsNest_39:
(4, 33469), (27, 33724), (34, 33748), (Start: 84 @33925 has 463 MA's), (Start: 88 @33931 has 2 MA's), (Start: 92 @33955 has 1 MA's), (119, 34069), (122, 34075), (138, 34132), (205, 34372), (207, 34381), (216, 34459), (225, 34501),

Gene: BirdsNest_38 Start: 33284, Stop: 33928, Start Num: 82
Candidate Starts for BirdsNest_38:
(49, 33194), (57, 33218), (62, 33236), (Start: 64 @33242 has 28 MA's), (Start: 82 @33284 has 112 MA's), (109, 33377), (112, 33389), (127, 33464), (145, 33536), (148, 33557), (160, 33608), (182, 33689), (226, 33893), (233, 33917),

Gene: Bishoperium_35 Start: 34046, Stop: 34693, Start Num: 83
Candidate Starts for Bishoperium_35:
(69, 34007), (Start: 82 @34043 has 112 MA's), (Start: 83 @34046 has 196 MA's), (Start: 105 @34127 has 1 MA's), (136, 34262), (155, 34349), (172, 34394), (186, 34472), (204, 34523), (209, 34550), (211, 34568), (222, 34646), (231, 34679), (235, 34685),

Gene: Bishoperium_36 Start: 34690, Stop: 35289, Start Num: 84
Candidate Starts for Bishoperium_36:
(27, 34486), (34, 34510), (41, 34552), (44, 34570), (47, 34585), (Start: 84 @34690 has 463 MA's), (Start: 92 @34720 has 1 MA's), (95, 34732), (107, 34771), (111, 34786), (122, 34840), (134, 34885), (136, 34891), (138, 34897), (140, 34903), (148, 34948), (149, 34951), (155, 34978), (178, 35038), (181, 35059), (205, 35137),

Gene: BlackStallion_36 Start: 34348, Stop: 34995, Start Num: 83
Candidate Starts for BlackStallion_36:
(69, 34309), (Start: 82 @34345 has 112 MA's), (Start: 83 @34348 has 196 MA's), (Start: 105 @34429 has 1 MA's), (136, 34564), (155, 34651), (172, 34696), (186, 34774), (204, 34825), (209, 34852), (211, 34870), (222, 34948), (231, 34981), (235, 34987),

Gene: BlackStallion_37 Start: 34992, Stop: 35591, Start Num: 84
Candidate Starts for BlackStallion_37:
(27, 34788), (34, 34812), (41, 34854), (44, 34872), (47, 34887), (Start: 84 @34992 has 463 MA's), (Start: 92 @35022 has 1 MA's), (95, 35034), (107, 35073), (111, 35088), (122, 35142), (134, 35187), (136, 35193), (138, 35199), (140, 35205), (148, 35250), (149, 35253), (155, 35280), (178, 35340), (181, 35361), (205, 35439),

Gene: Blackpen_31 Start: 28888, Stop: 29502, Start Num: 85
Candidate Starts for Blackpen_31:
(Start: 85 @28888 has 18 MA's), (Start: 86 @28891 has 5 MA's), (104, 28957), (109, 28972), (111, 28981), (117, 29020), (123, 29041), (127, 29056), (135, 29089), (145, 29128), (146, 29131), (148, 29149), (170, 29203), (224, 29461), (233, 29491),

Gene: Blackpen_32 Start: 29499, Stop: 30095, Start Num: 84
Candidate Starts for Blackpen_32:
(2, 28950), (7, 29061), (16, 29166), (23, 29289), (34, 29322), (41, 29361), (42, 29370), (58, 29433), (60, 29445), (Start: 84 @29499 has 463 MA's), (Start: 92 @29529 has 1 MA's), (112, 29598), (119, 29643), (122, 29649), (136, 29700), (138, 29706), (148, 29757), (149, 29760), (171, 29823), (177, 29835), (178, 29847), (187, 29898), (197, 29928), (205, 29946), (207, 29955), (229, 30081),

Gene: BlacksBerry_36 Start: 34708, Stop: 35307, Start Num: 84
Candidate Starts for BlacksBerry_36:
(27, 34504), (34, 34528), (41, 34570), (44, 34588), (47, 34603), (Start: 84 @34708 has 463 MA's), (Start: 92 @34738 has 1 MA's), (95, 34750), (107, 34789), (111, 34804), (122, 34858), (134, 34903), (136, 34909), (138, 34915), (140, 34921), (148, 34966), (149, 34969), (155, 34996), (181, 35077), (198, 35140), (205, 35155),

Gene: BlacksBerry_35 Start: 34064, Stop: 34711, Start Num: 83

Candidate Starts for BlacksBerry_35:
(38, 33914), (69, 34025), (Start: 82 @34061 has 112 MA's), (Start: 83 @34064 has 196 MA's), (Start: 105 @34145 has 1 MA's), (136, 34280), (155, 34367), (172, 34412), (186, 34490), (204, 34541), (209, 34568), (211, 34586), (222, 34664), (231, 34697), (235, 34703),

Gene: Blocker23_36 Start: 34803, Stop: 35447, Start Num: 79
Candidate Starts for Blocker23_36:
(32, 34638), (54, 34749), (Start: 79 @34803 has 48 MA's), (Start: 81 @34812 has 1 MA's), (102, 34881), (108, 34908), (110, 34917), (113, 34926), (136, 35034), (140, 35046), (168, 35139), (182, 35205), (186, 35226), (191, 35241), (193, 35247), (200, 35268), (206, 35280), (233, 35436),

Gene: Blocker23_38 Start: 35593, Stop: 36192, Start Num: 84
Candidate Starts for Blocker23_38:
(Start: 78 @35572 has 51 MA's), (Start: 84 @35593 has 463 MA's), (Start: 92 @35623 has 1 MA's), (98, 35644), (107, 35674), (108, 35677), (122, 35743), (136, 35794), (137, 35797), (138, 35800), (145, 35830), (148, 35851), (171, 35917), (179, 35947), (203, 36037), (205, 36040), (208, 36058), (211, 36082), (222, 36151), (229, 36178),

Gene: BlueHusk_36 Start: 33845, Stop: 34492, Start Num: 83
Candidate Starts for BlueHusk_36:
(38, 33695), (69, 33806), (Start: 82 @33842 has 112 MA's), (Start: 83 @33845 has 196 MA's), (Start: 105 @33926 has 1 MA's), (136, 34061), (155, 34148), (172, 34193), (186, 34271), (204, 34322), (209, 34349), (211, 34367), (222, 34445), (231, 34478), (235, 34484),

Gene: BlueHusk_37 Start: 34489, Stop: 35088, Start Num: 84
Candidate Starts for BlueHusk_37:
(27, 34285), (34, 34309), (41, 34351), (44, 34369), (47, 34384), (Start: 84 @34489 has 463 MA's), (Start: 92 @34519 has 1 MA's), (95, 34531), (107, 34570), (111, 34585), (112, 34588), (122, 34639), (134, 34684), (136, 34690), (138, 34696), (140, 34702), (148, 34747), (149, 34750), (155, 34777), (178, 34837), (181, 34858), (205, 34936),

Gene: Bluephacebaby_36 Start: 34687, Stop: 35286, Start Num: 84
Candidate Starts for Bluephacebaby_36:
(27, 34483), (34, 34507), (41, 34549), (44, 34567), (47, 34582), (Start: 84 @34687 has 463 MA's), (Start: 92 @34717 has 1 MA's), (95, 34729), (107, 34768), (111, 34783), (122, 34837), (134, 34882), (136, 34888), (138, 34894), (140, 34900), (148, 34945), (149, 34948), (155, 34975), (178, 35035), (181, 35056), (205, 35134),

Gene: Bluephacebaby_35 Start: 34043, Stop: 34690, Start Num: 83
Candidate Starts for Bluephacebaby_35:
(38, 33893), (69, 34004), (Start: 82 @34040 has 112 MA's), (Start: 83 @34043 has 196 MA's), (Start: 105 @34124 has 1 MA's), (136, 34259), (155, 34346), (172, 34391), (186, 34469), (204, 34520), (209, 34547), (211, 34565), (222, 34643), (231, 34676), (235, 34682),

Gene: BobRoss2024_28 Start: 27520, Stop: 28119, Start Num: 90
Candidate Starts for BobRoss2024_28:
(Start: 83 @27499 has 196 MA's), (Start: 85 @27505 has 18 MA's), (90, 27520), (102, 27559), (104, 27574), (117, 27637), (123, 27658), (129, 27682), (135, 27706), (146, 27748), (168, 27814), (172, 27823), (185, 27892), (211, 27994), (224, 28078), (233, 28108),

Gene: BobRoss2024_29 Start: 28116, Stop: 28712, Start Num: 236
Candidate Starts for BobRoss2024_29:

(31, 27312), (33, 27318), (34, 27321), (50, 27414), (55, 27426), (103, 27567), (188, 27906), (198, 27939), (212, 27996), (220, 28062), (Start: 236 @28116 has 2 MA's), (237, 28146), (240, 28173), (245, 28260), (247, 28266), (252, 28323), (253, 28326), (254, 28329), (259, 28404), (262, 28440), (267, 28545), (268, 28554), (269, 28563), (271, 28572), (272, 28581), (274, 28605), (278, 28698),

Gene: BobbyK_33 Start: 34537, Stop: 35184, Start Num: 64
Candidate Starts for BobbyK_33:
(Start: 64 @34537 has 28 MA's), (94, 34615), (97, 34627), (115, 34699), (124, 34723), (129, 34744), (130, 34753), (131, 34756), (134, 34765), (146, 34813), (157, 34867), (164, 34885), (181, 34945), (185, 34957), (205, 35017), (208, 35035), (209, 35041), (211, 35059), (225, 35146), (226, 35149), (233, 35173),

Gene: BobbyK_34 Start: 35181, Stop: 35786, Start Num: 84
Candidate Starts for BobbyK_34:
(Start: 84 @35181 has 463 MA's), (Start: 92 @35217 has 1 MA's), (107, 35268), (108, 35271), (122, 35337), (134, 35382), (137, 35391), (138, 35394), (139, 35397), (145, 35424), (148, 35445), (149, 35448), (155, 35475), (179, 35541), (181, 35556), (198, 35619), (211, 35676), (225, 35754), (229, 35772),

Gene: Boehler_36 Start: 34349, Stop: 34996, Start Num: 83
Candidate Starts for Boehler_36:
(69, 34310), (Start: 82 @34346 has 112 MA's), (Start: 83 @34349 has 196 MA's), (Start: 105 @34430 has 1 MA's), (136, 34565), (155, 34652), (172, 34697), (186, 34775), (204, 34826), (209, 34853), (211, 34871), (222, 34949), (231, 34982), (235, 34988),

Gene: Boehler_37 Start: 34993, Stop: 35592, Start Num: 84
Candidate Starts for Boehler_37:
(27, 34789), (34, 34813), (41, 34855), (44, 34873), (47, 34888), (Start: 84 @34993 has 463 MA's), (Start: 92 @35023 has 1 MA's), (95, 35035), (107, 35074), (111, 35089), (122, 35143), (134, 35188), (136, 35194), (138, 35200), (140, 35206), (148, 35251), (149, 35254), (155, 35281), (178, 35341), (181, 35362), (205, 35440),

Gene: BoogieWoogie_36 Start: 34674, Stop: 35273, Start Num: 84
Candidate Starts for BoogieWoogie_36:
(27, 34470), (34, 34494), (41, 34536), (44, 34554), (47, 34569), (Start: 84 @34674 has 463 MA's), (Start: 92 @34704 has 1 MA's), (95, 34716), (107, 34755), (111, 34770), (122, 34824), (134, 34869), (136, 34875), (138, 34881), (140, 34887), (148, 34932), (149, 34935), (155, 34962), (178, 35022), (181, 35043),

Gene: BoogieWoogie_35 Start: 34030, Stop: 34677, Start Num: 83
Candidate Starts for BoogieWoogie_35:
(38, 33880), (69, 33991), (Start: 82 @34027 has 112 MA's), (Start: 83 @34030 has 196 MA's), (Start: 105 @34111 has 1 MA's), (136, 34246), (155, 34333), (172, 34378), (186, 34456), (204, 34507), (209, 34534), (211, 34552), (222, 34630), (231, 34663), (235, 34669),

Gene: Boyle_38 Start: 35594, Stop: 36193, Start Num: 84
Candidate Starts for Boyle_38:
(Start: 78 @35573 has 51 MA's), (Start: 84 @35594 has 463 MA's), (Start: 92 @35624 has 1 MA's), (98, 35645), (107, 35675), (108, 35678), (122, 35744), (136, 35795), (137, 35798), (138, 35801), (145, 35831), (148, 35852), (171, 35918), (179, 35948), (203, 36038), (205, 36041), (208, 36059), (211, 36083), (222, 36152), (229, 36179),

Gene: Boyle_36 Start: 34804, Stop: 35448, Start Num: 79

Candidate Starts for Boyle_36:
(32, 34639), (54, 34750), (Start: 79 @34804 has 48 MA's), (Start: 81 @34813 has 1 MA's), (102, 34882), (108, 34909), (110, 34918), (113, 34927), (136, 35035), (140, 35047), (168, 35140), (182, 35206), (186, 35227), (191, 35242), (193, 35248), (200, 35269), (206, 35281), (233, 35437),

Gene: Briakila_38 Start: 35696, Stop: 36295, Start Num: 84
Candidate Starts for Briakila_38:
(26, 35492), (Start: 84 @35696 has 463 MA's), (Start: 92 @35726 has 1 MA's), (102, 35753), (119, 35840), (122, 35846), (140, 35909), (145, 35933), (178, 36044), (198, 36128), (203, 36140), (213, 36200), (224, 36260), (229, 36281),

Gene: Briakila_37 Start: 35046, Stop: 35699, Start Num: 78
Candidate Starts for Briakila_37:
(Start: 78 @35046 has 51 MA's), (102, 35127), (107, 35151), (135, 35274), (170, 35400), (177, 35415), (189, 35490), (223, 35655), (231, 35685),

Gene: Brilliant_36 Start: 34054, Stop: 34701, Start Num: 83
Candidate Starts for Brilliant_36:
(69, 34015), (Start: 82 @34051 has 112 MA's), (Start: 83 @34054 has 196 MA's), (Start: 105 @34135 has 1 MA's), (136, 34270), (155, 34357), (172, 34402), (185, 34471), (186, 34480), (204, 34531), (211, 34576), (222, 34654), (231, 34687), (235, 34693),

Gene: Brilliant_37 Start: 34698, Stop: 35297, Start Num: 84
Candidate Starts for Brilliant_37:
(26, 34491), (27, 34494), (34, 34518), (41, 34560), (44, 34578), (47, 34593), (Start: 84 @34698 has 463 MA's), (Start: 92 @34728 has 1 MA's), (95, 34740), (107, 34779), (111, 34794), (122, 34848), (134, 34893), (136, 34899), (138, 34905), (140, 34911), (148, 34956), (149, 34959), (155, 34986), (178, 35046), (181, 35067), (198, 35130), (205, 35145),

Gene: BrownCNA_34 Start: 34798, Stop: 35445, Start Num: 64
Candidate Starts for BrownCNA_34:
(Start: 64 @34798 has 28 MA's), (94, 34876), (97, 34888), (115, 34960), (124, 34984), (129, 35005), (130, 35014), (131, 35017), (134, 35026), (146, 35074), (164, 35146), (181, 35206), (185, 35218), (205, 35278), (209, 35302), (211, 35320), (225, 35407), (226, 35410), (233, 35434),

Gene: BrownCNA_35 Start: 35442, Stop: 36047, Start Num: 236
Candidate Starts for BrownCNA_35:
(Start: 92 @34869 has 1 MA's), (125, 34986), (139, 35040), (141, 35049), (176, 35172), (192, 35241), (199, 35265), (212, 35322), (Start: 236 @35442 has 2 MA's), (239, 35478), (241, 35505), (243, 35529), (244, 35532), (249, 35598), (250, 35643), (253, 35652), (254, 35655), (255, 35658), (256, 35685), (258, 35706), (260, 35736), (264, 35802), (265, 35817), (268, 35880), (270, 35892), (275, 35937), (277, 36015), (279, 36033),

Gene: Brownie5_38 Start: 35600, Stop: 36199, Start Num: 84
Candidate Starts for Brownie5_38:
(Start: 78 @35579 has 51 MA's), (Start: 84 @35600 has 463 MA's), (Start: 92 @35630 has 1 MA's), (98, 35651), (107, 35681), (108, 35684), (122, 35750), (136, 35801), (137, 35804), (138, 35807), (145, 35837), (148, 35858), (171, 35924), (179, 35954), (203, 36044), (205, 36047), (208, 36065), (211, 36089), (222, 36158), (229, 36185),

Gene: Brownie5_36 Start: 34810, Stop: 35454, Start Num: 79
Candidate Starts for Brownie5_36:

(32, 34645), (54, 34756), (Start: 79 @34810 has 48 MA's), (Start: 81 @34819 has 1 MA's), (102, 34888), (108, 34915), (110, 34924), (113, 34933), (136, 35041), (140, 35053), (168, 35146), (182, 35212), (186, 35233), (191, 35248), (193, 35254), (200, 35275), (206, 35287), (233, 35443),

Gene: Buckeye_37 Start: 35010, Stop: 35609, Start Num: 84
Candidate Starts for Buckeye_37:
(27, 34806), (34, 34830), (41, 34872), (44, 34890), (47, 34905), (Start: 84 @35010 has 463 MA's), (Start: 92 @35040 has 1 MA's), (95, 35052), (107, 35091), (111, 35106), (122, 35160), (134, 35205), (136, 35211), (138, 35217), (140, 35223), (148, 35268), (149, 35271), (155, 35298), (178, 35358), (181, 35379), (205, 35457),

Gene: Buckeye_36 Start: 34366, Stop: 35013, Start Num: 83
Candidate Starts for Buckeye_36:
(38, 34216), (69, 34327), (Start: 82 @34363 has 112 MA's), (Start: 83 @34366 has 196 MA's), (Start: 105 @34447 has 1 MA's), (136, 34582), (155, 34669), (172, 34714), (186, 34792), (204, 34843), (209, 34870), (211, 34888), (222, 34966), (231, 34999), (235, 35005),

Gene: Burr_35 Start: 34043, Stop: 34690, Start Num: 83
Candidate Starts for Burr_35:
(38, 33893), (69, 34004), (Start: 82 @34040 has 112 MA's), (Start: 83 @34043 has 196 MA's), (Start: 105 @34124 has 1 MA's), (136, 34259), (155, 34346), (172, 34391), (186, 34469), (204, 34520), (209, 34547), (211, 34565), (222, 34643), (231, 34676), (235, 34682),

Gene: Burr_36 Start: 34687, Stop: 35286, Start Num: 84
Candidate Starts for Burr_36:
(27, 34483), (34, 34507), (41, 34549), (44, 34567), (47, 34582), (Start: 84 @34687 has 463 MA's), (Start: 92 @34717 has 1 MA's), (95, 34729), (107, 34768), (111, 34783), (122, 34837), (134, 34882), (136, 34888), (138, 34894), (140, 34900), (148, 34945), (149, 34948), (155, 34975), (178, 35035), (181, 35056), (205, 35134),

Gene: CRB2_39 Start: 37622, Stop: 38230, Start Num: 84
Candidate Starts for CRB2_39:
(Start: 84 @37622 has 463 MA's), (Start: 92 @37652 has 1 MA's), (107, 37703), (119, 37766), (122, 37772), (136, 37823), (148, 37880), (181, 37991), (196, 38048), (203, 38066), (205, 38069), (211, 38111), (215, 38135), (216, 38156),

Gene: CaiB_31 Start: 29459, Stop: 30070, Start Num: 86
Candidate Starts for CaiB_31:
(Start: 85 @29456 has 18 MA's), (Start: 86 @29459 has 5 MA's), (104, 29525), (109, 29540), (111, 29549), (117, 29588), (123, 29609), (127, 29624), (135, 29657), (145, 29696), (146, 29699), (148, 29717), (170, 29771), (224, 30029), (233, 30059),

Gene: CaiB_32 Start: 30067, Stop: 30663, Start Num: 84
Candidate Starts for CaiB_32:
(34, 29890), (41, 29929), (42, 29938), (58, 30001), (60, 30013), (Start: 84 @30067 has 463 MA's), (Start: 92 @30097 has 1 MA's), (119, 30211), (122, 30217), (136, 30268), (138, 30274), (148, 30325), (149, 30328), (171, 30391), (177, 30403), (178, 30415), (187, 30466), (197, 30496), (205, 30514), (207, 30523), (229, 30649),

Gene: Calamitous_38 Start: 35480, Stop: 36079, Start Num: 84
Candidate Starts for Calamitous_38:
(Start: 78 @35459 has 51 MA's), (Start: 84 @35480 has 463 MA's), (Start: 92 @35510 has 1 MA's), (98, 35531), (107, 35561), (108, 35564), (122, 35630), (136, 35681), (137, 35684), (138, 35687), (145,

35717), (148, 35738), (171, 35804), (179, 35834), (203, 35924), (205, 35927), (208, 35945), (211, 35969), (222, 36038), (229, 36065),

Gene: Calamitous_36 Start: 34690, Stop: 35334, Start Num: 79
Candidate Starts for Calamitous_36:
(32, 34525), (54, 34636), (Start: 79 @34690 has 48 MA's), (Start: 81 @34699 has 1 MA's), (102, 34768), (108, 34795), (110, 34804), (113, 34813), (136, 34921), (140, 34933), (168, 35026), (182, 35092), (186, 35113), (191, 35128), (193, 35134), (200, 35155), (206, 35167), (233, 35323),

Gene: CamL_37 Start: 34988, Stop: 35587, Start Num: 84
Candidate Starts for CamL_37:
(27, 34784), (34, 34808), (41, 34850), (44, 34868), (47, 34883), (Start: 84 @34988 has 463 MA's), (Start: 92 @35018 has 1 MA's), (95, 35030), (107, 35069), (111, 35084), (122, 35138), (134, 35183), (136, 35189), (138, 35195), (140, 35201), (148, 35246), (149, 35249), (155, 35276), (178, 35336), (181, 35357), (205, 35435),

Gene: CamL_36 Start: 34341, Stop: 34991, Start Num: 82
Candidate Starts for CamL_36:
(69, 34305), (Start: 82 @34341 has 112 MA's), (Start: 83 @34344 has 196 MA's), (Start: 105 @34425 has 1 MA's), (136, 34560), (155, 34647), (172, 34692), (186, 34770), (204, 34821), (209, 34848), (211, 34866), (222, 34944), (231, 34977), (235, 34983),

Gene: CampRoach_37 Start: 34978, Stop: 35577, Start Num: 84
Candidate Starts for CampRoach_37:
(26, 34771), (27, 34774), (34, 34798), (41, 34840), (44, 34858), (47, 34873), (Start: 84 @34978 has 463 MA's), (Start: 92 @35008 has 1 MA's), (95, 35020), (107, 35059), (111, 35074), (122, 35128), (134, 35173), (136, 35179), (138, 35185), (140, 35191), (148, 35236), (149, 35239), (155, 35266), (178, 35326), (181, 35347), (198, 35410), (205, 35425),

Gene: CampRoach_36 Start: 34334, Stop: 34981, Start Num: 83
Candidate Starts for CampRoach_36:
(69, 34295), (Start: 82 @34331 has 112 MA's), (Start: 83 @34334 has 196 MA's), (Start: 105 @34415 has 1 MA's), (136, 34550), (155, 34637), (172, 34682), (185, 34751), (186, 34760), (204, 34811), (211, 34856), (222, 34934), (231, 34967), (235, 34973),

Gene: Cannibal_36 Start: 34327, Stop: 34974, Start Num: 83
Candidate Starts for Cannibal_36:
(69, 34288), (Start: 82 @34324 has 112 MA's), (Start: 83 @34327 has 196 MA's), (Start: 105 @34408 has 1 MA's), (136, 34543), (155, 34630), (172, 34675), (186, 34753), (204, 34804), (209, 34831), (211, 34849), (222, 34927), (231, 34960), (235, 34966),

Gene: Cannibal_37 Start: 34971, Stop: 35570, Start Num: 84
Candidate Starts for Cannibal_37:
(27, 34767), (34, 34791), (41, 34833), (44, 34851), (47, 34866), (Start: 84 @34971 has 463 MA's), (Start: 92 @35001 has 1 MA's), (95, 35013), (107, 35052), (111, 35067), (122, 35121), (134, 35166), (136, 35172), (138, 35178), (140, 35184), (148, 35229), (149, 35232), (155, 35259), (178, 35319), (181, 35340), (205, 35418),

Gene: Carthage_35 Start: 33900, Stop: 34499, Start Num: 84
Candidate Starts for Carthage_35:
(27, 33696), (34, 33720), (41, 33762), (44, 33780), (47, 33795), (Start: 84 @33900 has 463 MA's), (Start: 92 @33930 has 1 MA's), (95, 33942), (107, 33981), (111, 33996), (122, 34050), (134, 34095), (136, 34101), (138, 34107), (140, 34113), (148, 34158), (149, 34161), (155, 34188), (178, 34248),

(181, 34269), (205, 34347),

Gene: Carthage_34 Start: 33253, Stop: 33903, Start Num: 82
Candidate Starts for Carthage_34:
(38, 33106), (69, 33217), (Start: 82 @33253 has 112 MA's), (Start: 83 @33256 has 196 MA's), (Start: 105 @33337 has 1 MA's), (136, 33472), (155, 33559), (172, 33604), (186, 33682), (204, 33733), (209, 33760), (211, 33778), (222, 33856), (231, 33889), (235, 33895),

Gene: Casbah_35 Start: 34128, Stop: 34781, Start Num: 78
Candidate Starts for Casbah_35:
(Start: 78 @34128 has 51 MA's), (102, 34209), (107, 34233), (135, 34356), (170, 34482), (177, 34497), (189, 34572), (223, 34737), (231, 34767),

Gene: Casbah_36 Start: 34778, Stop: 35377, Start Num: 84
Candidate Starts for Casbah_36:
(Start: 84 @34778 has 463 MA's), (Start: 92 @34808 has 1 MA's), (102, 34835), (119, 34922), (122, 34928), (140, 34991), (145, 35015), (148, 35036), (178, 35126), (198, 35210), (203, 35222), (213, 35282), (224, 35342), (229, 35363),

Gene: Caspiboi_36 Start: 34697, Stop: 35296, Start Num: 84
Candidate Starts for Caspiboi_36:
(26, 34490), (27, 34493), (34, 34517), (41, 34559), (44, 34577), (47, 34592), (Start: 84 @34697 has 463 MA's), (Start: 92 @34727 has 1 MA's), (95, 34739), (107, 34778), (111, 34793), (122, 34847), (134, 34892), (136, 34898), (138, 34904), (140, 34910), (148, 34955), (149, 34958), (155, 34985), (178, 35045), (181, 35066), (198, 35129), (205, 35144),

Gene: Caspiboi_35 Start: 34053, Stop: 34700, Start Num: 83
Candidate Starts for Caspiboi_35:
(69, 34014), (Start: 82 @34050 has 112 MA's), (Start: 83 @34053 has 196 MA's), (Start: 105 @34134 has 1 MA's), (136, 34269), (155, 34356), (172, 34401), (185, 34470), (186, 34479), (204, 34530), (211, 34575), (222, 34653), (231, 34686), (235, 34692),

Gene: Caterpie_33 Start: 32128, Stop: 32727, Start Num: 84
Candidate Starts for Caterpie_33:
(60, 32074), (73, 32092), (Start: 84 @32128 has 463 MA's), (Start: 92 @32158 has 1 MA's), (102, 32185), (119, 32272), (135, 32326), (136, 32329), (138, 32335), (184, 32512), (198, 32560), (226, 32698), (229, 32713),

Gene: Caterpie_32 Start: 31487, Stop: 32131, Start Num: 79
Candidate Starts for Caterpie_32:
(Start: 79 @31487 has 48 MA's), (110, 31601), (115, 31634), (117, 31646), (118, 31652), (123, 31667), (132, 31706), (140, 31730), (148, 31775), (150, 31781), (168, 31823), (170, 31829), (182, 31889), (185, 31901), (186, 31910), (189, 31919), (200, 31952), (211, 32006), (231, 32117), (233, 32120),

Gene: Causa_43 Start: 38470, Stop: 39078, Start Num: 84
Candidate Starts for Causa_43:
(59, 38416), (Start: 84 @38470 has 463 MA's), (Start: 92 @38500 has 1 MA's), (102, 38527), (119, 38614), (127, 38635), (138, 38677), (148, 38728), (203, 38914), (205, 38917), (225, 39040), (227, 39046),

Gene: Causa_42 Start: 37847, Stop: 38473, Start Num: 80
Candidate Starts for Causa_42:

(Start: 80 @37847 has 2 MA's), (102, 37910), (104, 37925), (106, 37931), (111, 37949), (112, 37952), (116, 37979), (123, 38009), (124, 38012), (127, 38024), (136, 38060), (200, 38294), (218, 38402), (222, 38426), (224, 38432), (233, 38462),

Gene: Cepens_30 Start: 32231, Stop: 32830, Start Num: 84
Candidate Starts for Cepens_30:
(Start: 84 @32231 has 463 MA's), (Start: 92 @32261 has 1 MA's), (98, 32282), (102, 32288), (119, 32375), (122, 32381), (136, 32432), (140, 32444), (145, 32468), (148, 32489), (152, 32507), (158, 32525), (169, 32552), (209, 32702), (211, 32720), (224, 32795), (229, 32816),

Gene: Cepens_28 Start: 31437, Stop: 32081, Start Num: 79
Candidate Starts for Cepens_28:
(Start: 79 @31437 has 48 MA's), (Start: 84 @31455 has 463 MA's), (101, 31512), (110, 31551), (113, 31560), (123, 31617), (136, 31668), (138, 31674), (140, 31680), (155, 31755), (172, 31782), (182, 31839), (185, 31851), (193, 31881), (211, 31956), (221, 32028),

Gene: ChaChing_37 Start: 34941, Stop: 35540, Start Num: 84
Candidate Starts for ChaChing_37:
(Start: 84 @34941 has 463 MA's), (Start: 92 @34971 has 1 MA's), (102, 34998), (119, 35085), (122, 35091), (140, 35154), (145, 35178), (178, 35289), (198, 35373), (203, 35385), (213, 35445), (229, 35526),

Gene: ChaChing_36 Start: 34291, Stop: 34944, Start Num: 78
Candidate Starts for ChaChing_36:
(Start: 78 @34291 has 51 MA's), (102, 34372), (135, 34519), (170, 34645), (177, 34660), (189, 34735), (223, 34900), (224, 34903), (231, 34930),

Gene: Chaelin_37 Start: 34685, Stop: 35284, Start Num: 84
Candidate Starts for Chaelin_37:
(27, 34481), (34, 34505), (41, 34547), (44, 34565), (47, 34580), (Start: 84 @34685 has 463 MA's), (Start: 92 @34715 has 1 MA's), (95, 34727), (107, 34766), (111, 34781), (122, 34835), (134, 34880), (136, 34886), (138, 34892), (140, 34898), (148, 34943), (149, 34946), (155, 34973), (181, 35054), (198, 35117), (205, 35132),

Gene: Chaelin_36 Start: 34041, Stop: 34688, Start Num: 83
Candidate Starts for Chaelin_36:
(38, 33891), (69, 34002), (Start: 82 @34038 has 112 MA's), (Start: 83 @34041 has 196 MA's), (Start: 105 @34122 has 1 MA's), (136, 34257), (155, 34344), (172, 34389), (186, 34467), (204, 34518), (209, 34545), (211, 34563), (222, 34641), (231, 34674), (235, 34680),

Gene: Chah_38 Start: 35005, Stop: 35604, Start Num: 84
Candidate Starts for Chah_38:
(27, 34801), (34, 34825), (41, 34867), (44, 34885), (47, 34900), (Start: 84 @35005 has 463 MA's), (Start: 92 @35035 has 1 MA's), (95, 35047), (107, 35086), (111, 35101), (122, 35155), (134, 35200), (136, 35206), (138, 35212), (140, 35218), (148, 35263), (149, 35266), (155, 35293), (178, 35353), (181, 35374), (205, 35452),

Gene: Chah_37 Start: 34358, Stop: 35008, Start Num: 82
Candidate Starts for Chah_37:
(69, 34322), (Start: 82 @34358 has 112 MA's), (Start: 83 @34361 has 196 MA's), (Start: 105 @34442 has 1 MA's), (136, 34577), (155, 34664), (172, 34709), (186, 34787), (204, 34838), (209, 34865), (211, 34883), (222, 34961), (231, 34994), (235, 35000),

Gene: Chalmers_37 Start: 35733, Stop: 36332, Start Num: 84
Candidate Starts for Chalmers_37:
(Start: 84 @35733 has 463 MA's), (Start: 92 @35763 has 1 MA's), (102, 35790), (119, 35877), (122, 35883), (140, 35946), (145, 35970), (148, 35991), (178, 36081), (198, 36165), (203, 36177), (213, 36237), (224, 36297), (229, 36318),

Gene: Chalmers_36 Start: 35083, Stop: 35736, Start Num: 78
Candidate Starts for Chalmers_36:
(Start: 78 @35083 has 51 MA's), (102, 35164), (107, 35188), (135, 35311), (170, 35437), (177, 35452), (189, 35527), (223, 35692), (231, 35722),

Gene: Chandler_36 Start: 35059, Stop: 35712, Start Num: 78
Candidate Starts for Chandler_36:
(Start: 78 @35059 has 51 MA's), (102, 35140), (107, 35164), (135, 35287), (170, 35413), (177, 35428), (189, 35503), (223, 35668), (224, 35671), (231, 35698),

Gene: Chandler_37 Start: 35709, Stop: 36308, Start Num: 84
Candidate Starts for Chandler_37:
(Start: 84 @35709 has 463 MA's), (Start: 92 @35739 has 1 MA's), (102, 35766), (119, 35853), (140, 35922), (145, 35946), (148, 35967), (178, 36057), (198, 36141), (203, 36153), (213, 36213), (224, 36273), (229, 36294),

Gene: Charles1_36 Start: 34329, Stop: 34976, Start Num: 83
Candidate Starts for Charles1_36:
(38, 34179), (69, 34290), (Start: 82 @34326 has 112 MA's), (Start: 83 @34329 has 196 MA's), (Start: 105 @34410 has 1 MA's), (136, 34545), (155, 34632), (172, 34677), (186, 34755), (204, 34806), (209, 34833), (211, 34851), (222, 34929), (231, 34962), (235, 34968),

Gene: Charles1_37 Start: 34973, Stop: 35572, Start Num: 84
Candidate Starts for Charles1_37:
(27, 34769), (34, 34793), (41, 34835), (44, 34853), (47, 34868), (Start: 84 @34973 has 463 MA's), (Start: 92 @35003 has 1 MA's), (95, 35015), (107, 35054), (111, 35069), (122, 35123), (134, 35168), (136, 35174), (138, 35180), (140, 35186), (148, 35231), (149, 35234), (155, 35261), (178, 35321), (181, 35342),

Gene: CharlieGBrown_35 Start: 33916, Stop: 34566, Start Num: 82
Candidate Starts for CharlieGBrown_35:
(38, 33769), (69, 33880), (Start: 82 @33916 has 112 MA's), (Start: 83 @33919 has 196 MA's), (Start: 105 @34000 has 1 MA's), (136, 34135), (155, 34222), (172, 34267), (186, 34345), (204, 34396), (209, 34423), (211, 34441), (222, 34519), (231, 34552), (235, 34558),

Gene: CharlieGBrown_36 Start: 34563, Stop: 35162, Start Num: 84
Candidate Starts for CharlieGBrown_36:
(27, 34359), (34, 34383), (41, 34425), (44, 34443), (47, 34458), (Start: 84 @34563 has 463 MA's), (Start: 92 @34593 has 1 MA's), (95, 34605), (107, 34644), (111, 34659), (122, 34713), (134, 34758), (136, 34764), (138, 34770), (140, 34776), (148, 34821), (149, 34824), (155, 34851), (178, 34911), (181, 34932), (205, 35010),

Gene: CharlottesWeb_29 Start: 27428, Stop: 28042, Start Num: 85
Candidate Starts for CharlottesWeb_29:
(Start: 85 @27428 has 18 MA's), (Start: 93 @27461 has 1 MA's), (104, 27497), (111, 27521), (117, 27560), (135, 27629), (136, 27632), (148, 27689), (168, 27737), (172, 27746), (174, 27749), (224, 28001), (233, 28031),

Gene: CharlottesWeb_30 Start: 28039, Stop: 28671, Start Num: 84
Candidate Starts for CharlottesWeb_30:
(Start: 84 @28039 has 463 MA's), (Start: 92 @28072 has 1 MA's), (102, 28099), (114, 28165), (119, 28186), (122, 28192), (148, 28300), (171, 28366), (198, 28474), (207, 28498), (208, 28507), (210, 28522), (211, 28531),

Gene: CheetO_36 Start: 34343, Stop: 34990, Start Num: 83
Candidate Starts for CheetO_36:
(38, 34193), (69, 34304), (Start: 82 @34340 has 112 MA's), (Start: 83 @34343 has 196 MA's), (Start: 105 @34424 has 1 MA's), (136, 34559), (155, 34646), (172, 34691), (186, 34769), (204, 34820), (209, 34847), (211, 34865), (222, 34943), (231, 34976), (235, 34982),

Gene: CheetO_37 Start: 34987, Stop: 35586, Start Num: 84
Candidate Starts for CheetO_37:
(27, 34783), (34, 34807), (41, 34849), (44, 34867), (47, 34882), (Start: 84 @34987 has 463 MA's), (Start: 92 @35017 has 1 MA's), (95, 35029), (107, 35068), (111, 35083), (112, 35086), (122, 35137), (134, 35182), (136, 35188), (138, 35194), (140, 35200), (148, 35245), (149, 35248), (155, 35275), (178, 35335), (181, 35356), (205, 35434),

Gene: Chentzyk_35 Start: 34149, Stop: 34802, Start Num: 78
Candidate Starts for Chentzyk_35:
(Start: 78 @34149 has 51 MA's), (102, 34230), (135, 34377), (170, 34503), (177, 34518), (189, 34593), (223, 34758), (224, 34761), (231, 34788),

Gene: Chentzyk_37 Start: 35320, Stop: 35889, Start Num: 92
Candidate Starts for Chentzyk_37:
(Start: 84 @35290 has 463 MA's), (Start: 92 @35320 has 1 MA's), (102, 35347), (119, 35434), (122, 35440), (140, 35503), (145, 35527), (178, 35638), (198, 35722), (203, 35734), (213, 35794), (229, 35875),

Gene: Cher_36 Start: 34710, Stop: 35309, Start Num: 84
Candidate Starts for Cher_36:
(27, 34506), (34, 34530), (41, 34572), (44, 34590), (47, 34605), (Start: 84 @34710 has 463 MA's), (Start: 92 @34740 has 1 MA's), (95, 34752), (107, 34791), (111, 34806), (122, 34860), (134, 34905), (136, 34911), (138, 34917), (140, 34923), (148, 34968), (149, 34971), (155, 34998), (178, 35058), (181, 35079), (205, 35157),

Gene: Cher_35 Start: 34066, Stop: 34713, Start Num: 83
Candidate Starts for Cher_35:
(69, 34027), (Start: 82 @34063 has 112 MA's), (Start: 83 @34066 has 196 MA's), (Start: 105 @34147 has 1 MA's), (136, 34282), (155, 34369), (172, 34414), (186, 34492), (204, 34543), (209, 34570), (211, 34588), (222, 34666), (231, 34699), (235, 34705),

Gene: Childish_35 Start: 34069, Stop: 34716, Start Num: 83
Candidate Starts for Childish_35:
(69, 34030), (Start: 82 @34066 has 112 MA's), (Start: 83 @34069 has 196 MA's), (Start: 105 @34150 has 1 MA's), (136, 34285), (155, 34372), (172, 34417), (186, 34495), (204, 34546), (209, 34573), (211, 34591), (222, 34669), (231, 34702), (235, 34708),

Gene: Childish_36 Start: 34713, Stop: 35312, Start Num: 84
Candidate Starts for Childish_36:

(27, 34509), (34, 34533), (41, 34575), (44, 34593), (47, 34608), (Start: 84 @34713 has 463 MA's), (Start: 92 @34743 has 1 MA's), (95, 34755), (107, 34794), (111, 34809), (122, 34863), (134, 34908), (136, 34914), (138, 34920), (140, 34926), (148, 34971), (149, 34974), (155, 35001), (178, 35061), (181, 35082), (205, 35160),

Gene: Chipette_38 Start: 35203, Stop: 35802, Start Num: 84
Candidate Starts for Chipette_38:
(26, 34996), (27, 34999), (34, 35023), (41, 35065), (44, 35083), (47, 35098), (Start: 84 @35203 has 463 MA's), (Start: 92 @35233 has 1 MA's), (95, 35245), (107, 35284), (111, 35299), (122, 35353), (134, 35398), (136, 35404), (138, 35410), (140, 35416), (148, 35461), (149, 35464), (155, 35491), (178, 35551), (181, 35572), (205, 35650),

Gene: Chipette_37 Start: 34559, Stop: 35206, Start Num: 83
Candidate Starts for Chipette_37:
(69, 34520), (Start: 82 @34556 has 112 MA's), (Start: 83 @34559 has 196 MA's), (Start: 105 @34640 has 1 MA's), (136, 34775), (155, 34862), (172, 34907), (186, 34985), (204, 35036), (209, 35063), (211, 35081), (222, 35159), (231, 35192), (235, 35198),

Gene: Chorkpop_36 Start: 34065, Stop: 34712, Start Num: 83
Candidate Starts for Chorkpop_36:
(69, 34026), (Start: 82 @34062 has 112 MA's), (Start: 83 @34065 has 196 MA's), (Start: 105 @34146 has 1 MA's), (136, 34281), (155, 34368), (172, 34413), (186, 34491), (204, 34542), (209, 34569), (211, 34587), (222, 34665), (231, 34698), (235, 34704),

Gene: Chorkpop_37 Start: 34709, Stop: 35308, Start Num: 84
Candidate Starts for Chorkpop_37:
(26, 34502), (27, 34505), (34, 34529), (41, 34571), (44, 34589), (47, 34604), (Start: 84 @34709 has 463 MA's), (Start: 92 @34739 has 1 MA's), (95, 34751), (107, 34790), (111, 34805), (122, 34859), (134, 34904), (136, 34910), (138, 34916), (140, 34922), (148, 34967), (149, 34970), (155, 34997), (178, 35057), (181, 35078), (205, 35156),

Gene: ChrisnMich_32 Start: 33498, Stop: 34145, Start Num: 64
Candidate Starts for ChrisnMich_32:
(Start: 64 @33498 has 28 MA's), (94, 33576), (97, 33588), (115, 33660), (124, 33684), (129, 33705), (130, 33714), (131, 33717), (134, 33726), (135, 33729), (146, 33774), (157, 33828), (164, 33846), (181, 33906), (185, 33918), (205, 33978), (209, 34002), (211, 34020), (225, 34107), (233, 34134),

Gene: ChrisnMich_33 Start: 34142, Stop: 34747, Start Num: 84
Candidate Starts for ChrisnMich_33:
(Start: 84 @34142 has 463 MA's), (Start: 92 @34178 has 1 MA's), (107, 34229), (108, 34232), (119, 34292), (122, 34298), (134, 34343), (137, 34352), (138, 34355), (139, 34358), (145, 34385), (148, 34406), (155, 34436), (179, 34502), (181, 34517), (198, 34580), (211, 34637), (225, 34715), (229, 34733),

Gene: Chuni_36 Start: 35004, Stop: 35603, Start Num: 84
Candidate Starts for Chuni_36:
(26, 34797), (27, 34800), (34, 34824), (41, 34866), (44, 34884), (47, 34899), (Start: 84 @35004 has 463 MA's), (Start: 92 @35034 has 1 MA's), (95, 35046), (107, 35085), (111, 35100), (122, 35154), (134, 35199), (136, 35205), (138, 35211), (140, 35217), (148, 35262), (149, 35265), (155, 35292), (178, 35352), (181, 35373), (198, 35436), (205, 35451),

Gene: Chuni_35 Start: 34360, Stop: 35007, Start Num: 83
Candidate Starts for Chuni_35:

(69, 34321), (Start: 82 @34357 has 112 MA's), (Start: 83 @34360 has 196 MA's), (Start: 105 @34441 has 1 MA's), (136, 34576), (155, 34663), (172, 34708), (185, 34777), (186, 34786), (204, 34837), (211, 34882), (222, 34960), (231, 34993), (235, 34999),

Gene: Chunky_36 Start: 34349, Stop: 34999, Start Num: 82
Candidate Starts for Chunky_36:
(69, 34313), (Start: 82 @34349 has 112 MA's), (Start: 83 @34352 has 196 MA's), (Start: 105 @34433 has 1 MA's), (136, 34568), (155, 34655), (172, 34700), (186, 34778), (204, 34829), (209, 34856), (211, 34874), (222, 34952), (231, 34985), (235, 34991),

Gene: Chunky_37 Start: 34996, Stop: 35595, Start Num: 84
Candidate Starts for Chunky_37:
(26, 34789), (27, 34792), (34, 34816), (41, 34858), (44, 34876), (47, 34891), (Start: 84 @34996 has 463 MA's), (Start: 92 @35026 has 1 MA's), (95, 35038), (107, 35077), (111, 35092), (122, 35146), (134, 35191), (136, 35197), (138, 35203), (140, 35209), (148, 35254), (149, 35257), (155, 35284), (178, 35344), (181, 35365), (205, 35443),

Gene: Chute_35 Start: 34390, Stop: 35037, Start Num: 83
Candidate Starts for Chute_35:
(38, 34240), (69, 34351), (Start: 82 @34387 has 112 MA's), (Start: 83 @34390 has 196 MA's), (Start: 105 @34471 has 1 MA's), (136, 34606), (155, 34693), (172, 34738), (186, 34816), (204, 34867), (209, 34894), (211, 34912), (222, 34990), (231, 35023), (235, 35029),

Gene: Chute_36 Start: 35034, Stop: 35633, Start Num: 84
Candidate Starts for Chute_36:
(27, 34830), (34, 34854), (41, 34896), (44, 34914), (47, 34929), (Start: 84 @35034 has 463 MA's), (Start: 92 @35064 has 1 MA's), (95, 35076), (107, 35115), (111, 35130), (122, 35184), (134, 35229), (136, 35235), (138, 35241), (140, 35247), (148, 35292), (149, 35295), (155, 35322), (181, 35403), (198, 35466), (205, 35481),

Gene: CloverMinnie_32 Start: 30007, Stop: 30603, Start Num: 84
Candidate Starts for CloverMinnie_32:
(34, 29830), (41, 29869), (42, 29878), (58, 29941), (60, 29953), (Start: 84 @30007 has 463 MA's), (Start: 92 @30037 has 1 MA's), (119, 30151), (122, 30157), (136, 30208), (138, 30214), (148, 30265), (149, 30268), (171, 30331), (177, 30343), (178, 30355), (187, 30406), (197, 30436), (205, 30454), (207, 30463), (229, 30589),

Gene: CloverMinnie_31 Start: 29396, Stop: 30010, Start Num: 85
Candidate Starts for CloverMinnie_31:
(Start: 85 @29396 has 18 MA's), (Start: 86 @29399 has 5 MA's), (104, 29465), (109, 29480), (111, 29489), (117, 29528), (123, 29549), (127, 29564), (135, 29597), (145, 29636), (146, 29639), (148, 29657), (170, 29711), (224, 29969), (233, 29999),

Gene: Cobra_36 Start: 34347, Stop: 34997, Start Num: 82
Candidate Starts for Cobra_36:
(69, 34311), (Start: 82 @34347 has 112 MA's), (Start: 83 @34350 has 196 MA's), (Start: 105 @34431 has 1 MA's), (136, 34566), (155, 34653), (172, 34698), (185, 34767), (186, 34776), (204, 34827), (211, 34872), (222, 34950), (231, 34983), (235, 34989),

Gene: Cobra_37 Start: 34994, Stop: 35593, Start Num: 84
Candidate Starts for Cobra_37:
(26, 34787), (27, 34790), (34, 34814), (41, 34856), (44, 34874), (47, 34889), (Start: 84 @34994 has 463 MA's), (Start: 92 @35024 has 1 MA's), (95, 35036), (107, 35075), (111, 35090), (122, 35144),

(134, 35189), (136, 35195), (138, 35201), (140, 35207), (148, 35252), (149, 35255), (155, 35282), (178, 35342), (181, 35363), (198, 35426), (205, 35441),

Gene: Coffee_36 Start: 34793, Stop: 35437, Start Num: 79
Candidate Starts for Coffee_36:
(32, 34628), (54, 34739), (Start: 79 @34793 has 48 MA's), (Start: 81 @34802 has 1 MA's), (102, 34871), (108, 34898), (110, 34907), (113, 34916), (136, 35024), (140, 35036), (168, 35129), (182, 35195), (186, 35216), (191, 35231), (193, 35237), (200, 35258), (206, 35270), (233, 35426),

Gene: Coffee_38 Start: 35583, Stop: 36182, Start Num: 84
Candidate Starts for Coffee_38:
(Start: 78 @35562 has 51 MA's), (Start: 84 @35583 has 463 MA's), (Start: 92 @35613 has 1 MA's), (98, 35634), (107, 35664), (108, 35667), (122, 35733), (136, 35784), (137, 35787), (138, 35790), (145, 35820), (148, 35841), (171, 35907), (179, 35937), (203, 36027), (205, 36030), (208, 36048), (211, 36072), (222, 36141), (229, 36168),

Gene: Colbert_36 Start: 34402, Stop: 35052, Start Num: 82
Candidate Starts for Colbert_36:
(69, 34366), (Start: 82 @34402 has 112 MA's), (Start: 83 @34405 has 196 MA's), (Start: 105 @34486 has 1 MA's), (136, 34621), (155, 34708), (172, 34753), (186, 34831), (204, 34882), (209, 34909), (211, 34927), (222, 35005), (231, 35038), (235, 35044),

Gene: Colbert_37 Start: 35049, Stop: 35648, Start Num: 84
Candidate Starts for Colbert_37:
(27, 34845), (34, 34869), (41, 34911), (44, 34929), (47, 34944), (Start: 84 @35049 has 463 MA's), (Start: 92 @35079 has 1 MA's), (95, 35091), (107, 35130), (111, 35145), (122, 35199), (134, 35244), (136, 35250), (138, 35256), (140, 35262), (148, 35307), (149, 35310), (155, 35337), (178, 35397), (181, 35418), (205, 35496),

Gene: Coldpizza_33 Start: 32536, Stop: 33132, Start Num: 84
Candidate Starts for Coldpizza_33:
(7, 32098), (16, 32203), (34, 32359), (42, 32407), (60, 32482), (Start: 84 @32536 has 463 MA's), (Start: 92 @32569 has 1 MA's), (107, 32620), (108, 32623), (119, 32683), (122, 32689), (136, 32740), (138, 32746), (140, 32752), (148, 32797), (155, 32827), (165, 32851), (184, 32923), (203, 32983), (205, 32986), (207, 32995), (213, 33043),

Gene: Coldpizza_32 Start: 31925, Stop: 32539, Start Num: 85
Candidate Starts for Coldpizza_32:
(26, 31706), (27, 31709), (44, 31793), (63, 31868), (Start: 85 @31925 has 18 MA's), (104, 31994), (110, 32015), (118, 32063), (123, 32078), (145, 32165), (170, 32240), (206, 32372), (231, 32525),

Gene: Coletti_37 Start: 35034, Stop: 35633, Start Num: 84
Candidate Starts for Coletti_37:
(27, 34830), (34, 34854), (41, 34896), (44, 34914), (47, 34929), (Start: 84 @35034 has 463 MA's), (Start: 92 @35064 has 1 MA's), (95, 35076), (107, 35115), (111, 35130), (122, 35184), (134, 35229), (136, 35235), (138, 35241), (140, 35247), (148, 35292), (149, 35295), (155, 35322), (181, 35403), (198, 35466), (205, 35481),

Gene: Coletti_36 Start: 34390, Stop: 35037, Start Num: 83
Candidate Starts for Coletti_36:
(38, 34240), (69, 34351), (Start: 82 @34387 has 112 MA's), (Start: 83 @34390 has 196 MA's), (Start: 105 @34471 has 1 MA's), (136, 34606), (155, 34693), (172, 34738), (186, 34816), (204, 34867), (209, 34894), (211, 34912), (222, 34990), (231, 35023), (235, 35029),

Gene: Compostia_37 Start: 34707, Stop: 35360, Start Num: 78
Candidate Starts for Compostia_37:
(Start: 78 @34707 has 51 MA's), (102, 34788), (107, 34812), (135, 34935), (170, 35061), (177, 35076), (189, 35151), (223, 35316), (231, 35346),

Gene: Compostia_38 Start: 35357, Stop: 35956, Start Num: 84
Candidate Starts for Compostia_38:
(Start: 84 @35357 has 463 MA's), (Start: 92 @35387 has 1 MA's), (102, 35414), (119, 35501), (122, 35507), (140, 35570), (145, 35594), (148, 35615), (178, 35705), (198, 35789), (203, 35801), (213, 35861), (224, 35921), (229, 35942),

Gene: Cooper_34 Start: 34360, Stop: 34965, Start Num: 84
Candidate Starts for Cooper_34:
(15, 34009), (20, 34090), (28, 34159), (35, 34183), (45, 34240), (Start: 84 @34360 has 463 MA's), (Start: 92 @34396 has 1 MA's), (102, 34423), (107, 34447), (108, 34450), (119, 34510), (122, 34516), (134, 34561), (136, 34567), (137, 34570), (138, 34573), (139, 34576), (140, 34579), (145, 34603), (148, 34624), (179, 34720), (181, 34735), (205, 34813), (225, 34933), (229, 34951),

Gene: Cooper_33 Start: 33716, Stop: 34363, Start Num: 64
Candidate Starts for Cooper_33:
(Start: 64 @33716 has 28 MA's), (94, 33794), (97, 33806), (115, 33878), (124, 33902), (129, 33923), (130, 33932), (131, 33935), (133, 33941), (134, 33944), (146, 33992), (153, 34031), (164, 34064), (181, 34124), (185, 34136), (205, 34196), (209, 34220), (211, 34238), (225, 34325), (233, 34352),

Gene: Cornbread_35 Start: 34066, Stop: 34713, Start Num: 83
Candidate Starts for Cornbread_35:
(69, 34027), (Start: 82 @34063 has 112 MA's), (Start: 83 @34066 has 196 MA's), (Start: 105 @34147 has 1 MA's), (136, 34282), (155, 34369), (172, 34414), (185, 34483), (186, 34492), (204, 34543), (211, 34588), (222, 34666), (231, 34699), (235, 34705),

Gene: Cornbread_36 Start: 34710, Stop: 35309, Start Num: 84
Candidate Starts for Cornbread_36:
(26, 34503), (27, 34506), (34, 34530), (41, 34572), (44, 34590), (47, 34605), (Start: 84 @34710 has 463 MA's), (Start: 92 @34740 has 1 MA's), (95, 34752), (107, 34791), (111, 34806), (122, 34860), (134, 34905), (136, 34911), (138, 34917), (140, 34923), (148, 34968), (149, 34971), (155, 34998), (178, 35058), (181, 35079), (198, 35142), (205, 35157),

Gene: Cornobble_35 Start: 33904, Stop: 34551, Start Num: 83
Candidate Starts for Cornobble_35:
(38, 33754), (69, 33865), (Start: 82 @33901 has 112 MA's), (Start: 83 @33904 has 196 MA's), (Start: 105 @33985 has 1 MA's), (136, 34120), (155, 34207), (172, 34252), (186, 34330), (204, 34381), (209, 34408), (211, 34426), (222, 34504), (231, 34537), (235, 34543),

Gene: Cornobble_36 Start: 34548, Stop: 35147, Start Num: 84
Candidate Starts for Cornobble_36:
(27, 34344), (34, 34368), (41, 34410), (44, 34428), (47, 34443), (Start: 84 @34548 has 463 MA's), (Start: 92 @34578 has 1 MA's), (95, 34590), (107, 34629), (111, 34644), (122, 34698), (134, 34743), (136, 34749), (138, 34755), (140, 34761), (148, 34806), (149, 34809), (155, 34836), (178, 34896), (181, 34917), (205, 34995),

Gene: Corofin_36 Start: 34302, Stop: 34955, Start Num: 78
Candidate Starts for Corofin_36:

(Start: 78 @34302 has 51 MA's), (102, 34383), (107, 34407), (135, 34530), (170, 34656), (177, 34671), (189, 34746), (223, 34911), (224, 34914), (231, 34941),

Gene: Corofin_37 Start: 34952, Stop: 35551, Start Num: 84
Candidate Starts for Corofin_37:
(Start: 84 @34952 has 463 MA's), (Start: 92 @34982 has 1 MA's), (102, 35009), (119, 35096), (122, 35102), (140, 35165), (145, 35189), (148, 35210), (178, 35300), (198, 35384), (203, 35396), (213, 35456), (224, 35516), (229, 35537),

Gene: Cosmolli16_35 Start: 34051, Stop: 34701, Start Num: 82
Candidate Starts for Cosmolli16_35:
(69, 34015), (Start: 82 @34051 has 112 MA's), (Start: 83 @34054 has 196 MA's), (Start: 105 @34135 has 1 MA's), (136, 34270), (155, 34357), (172, 34402), (186, 34480), (204, 34531), (209, 34558), (211, 34576), (222, 34654), (231, 34687), (235, 34693),

Gene: Cosmolli16_36 Start: 34698, Stop: 35297, Start Num: 84
Candidate Starts for Cosmolli16_36:
(27, 34494), (34, 34518), (41, 34560), (44, 34578), (47, 34593), (Start: 84 @34698 has 463 MA's), (Start: 92 @34728 has 1 MA's), (95, 34740), (107, 34779), (111, 34794), (122, 34848), (134, 34893), (136, 34899), (138, 34905), (140, 34911), (148, 34956), (149, 34959), (155, 34986), (178, 35046), (181, 35067), (205, 35145),

Gene: Craff_37 Start: 34991, Stop: 35590, Start Num: 84
Candidate Starts for Craff_37:
(27, 34787), (34, 34811), (41, 34853), (44, 34871), (47, 34886), (Start: 84 @34991 has 463 MA's), (Start: 92 @35021 has 1 MA's), (95, 35033), (107, 35072), (111, 35087), (122, 35141), (134, 35186), (136, 35192), (138, 35198), (140, 35204), (148, 35249), (149, 35252), (155, 35279), (178, 35339), (181, 35360), (205, 35438),

Gene: Craff_36 Start: 34344, Stop: 34994, Start Num: 82
Candidate Starts for Craff_36:
(38, 34197), (69, 34308), (Start: 82 @34344 has 112 MA's), (Start: 83 @34347 has 196 MA's), (Start: 105 @34428 has 1 MA's), (136, 34563), (155, 34650), (172, 34695), (186, 34773), (204, 34824), (209, 34851), (211, 34869), (222, 34947), (231, 34980), (235, 34986),

Gene: Crownjwl_36 Start: 34120, Stop: 34767, Start Num: 83
Candidate Starts for Crownjwl_36:
(38, 33970), (69, 34081), (Start: 82 @34117 has 112 MA's), (Start: 83 @34120 has 196 MA's), (Start: 105 @34201 has 1 MA's), (136, 34336), (155, 34423), (172, 34468), (186, 34546), (204, 34597), (209, 34624), (211, 34642), (222, 34720), (231, 34753), (235, 34759),

Gene: Crownjwl_37 Start: 34764, Stop: 35363, Start Num: 84
Candidate Starts for Crownjwl_37:
(27, 34560), (34, 34584), (41, 34626), (44, 34644), (47, 34659), (Start: 84 @34764 has 463 MA's), (Start: 92 @34794 has 1 MA's), (95, 34806), (107, 34845), (111, 34860), (122, 34914), (134, 34959), (136, 34965), (138, 34971), (140, 34977), (148, 35022), (149, 35025), (155, 35052), (178, 35112), (181, 35133), (205, 35211),

Gene: D12_29 Start: 32801, Stop: 33400, Start Num: 84
Candidate Starts for D12_29:
(Start: 84 @32801 has 463 MA's), (Start: 92 @32831 has 1 MA's), (98, 32852), (102, 32858), (119, 32945), (122, 32951), (136, 33002), (140, 33014), (145, 33038), (148, 33059), (152, 33077), (158, 33095), (169, 33122), (209, 33272), (211, 33290), (224, 33365), (229, 33386),

Gene: D12_28 Start: 32007, Stop: 32651, Start Num: 79
Candidate Starts for D12_28:
(Start: 79 @32007 has 48 MA's), (Start: 84 @32025 has 463 MA's), (101, 32082), (110, 32121), (113, 32130), (123, 32187), (136, 32238), (138, 32244), (140, 32250), (155, 32325), (172, 32352), (182, 32409), (185, 32421), (193, 32451), (211, 32526), (221, 32598),

Gene: DaddyDaniels_37 Start: 34682, Stop: 35281, Start Num: 84
Candidate Starts for DaddyDaniels_37:
(26, 34475), (27, 34478), (34, 34502), (41, 34544), (44, 34562), (47, 34577), (Start: 84 @34682 has 463 MA's), (Start: 92 @34712 has 1 MA's), (95, 34724), (107, 34763), (111, 34778), (122, 34832), (134, 34877), (136, 34883), (138, 34889), (140, 34895), (148, 34940), (149, 34943), (155, 34970), (178, 35030), (181, 35051), (198, 35114), (205, 35129),

Gene: DaddyDaniels_36 Start: 34038, Stop: 34685, Start Num: 83
Candidate Starts for DaddyDaniels_36:
(69, 33999), (Start: 82 @34035 has 112 MA's), (Start: 83 @34038 has 196 MA's), (Start: 105 @34119 has 1 MA's), (136, 34254), (155, 34341), (172, 34386), (185, 34455), (186, 34464), (204, 34515), (211, 34560), (222, 34638), (231, 34671), (235, 34677),

Gene: Daffy_37 Start: 34713, Stop: 35312, Start Num: 84
Candidate Starts for Daffy_37:
(27, 34509), (34, 34533), (41, 34575), (44, 34593), (47, 34608), (Start: 84 @34713 has 463 MA's), (Start: 92 @34743 has 1 MA's), (95, 34755), (107, 34794), (111, 34809), (122, 34863), (134, 34908), (136, 34914), (138, 34920), (140, 34926), (148, 34971), (149, 34974), (155, 35001), (178, 35061), (181, 35082), (205, 35160),

Gene: Daffy_36 Start: 34066, Stop: 34716, Start Num: 82
Candidate Starts for Daffy_36:
(69, 34030), (Start: 82 @34066 has 112 MA's), (Start: 83 @34069 has 196 MA's), (Start: 105 @34150 has 1 MA's), (136, 34285), (155, 34372), (172, 34417), (186, 34495), (204, 34546), (209, 34573), (211, 34591), (222, 34669), (231, 34702), (235, 34708),

Gene: Daisy_36 Start: 34303, Stop: 34956, Start Num: 78
Candidate Starts for Daisy_36:
(Start: 78 @34303 has 51 MA's), (102, 34384), (107, 34408), (135, 34531), (170, 34657), (177, 34672), (189, 34747), (223, 34912),

Gene: Daisy_37 Start: 34953, Stop: 35552, Start Num: 84
Candidate Starts for Daisy_37:
(Start: 84 @34953 has 463 MA's), (Start: 92 @34983 has 1 MA's), (102, 35010), (119, 35097), (122, 35103), (140, 35166), (145, 35190), (178, 35301), (198, 35385), (203, 35397), (213, 35457), (224, 35517), (229, 35538),

Gene: Daka_37 Start: 34987, Stop: 35586, Start Num: 84
Candidate Starts for Daka_37:
(27, 34783), (34, 34807), (41, 34849), (44, 34867), (47, 34882), (Start: 84 @34987 has 463 MA's), (Start: 92 @35017 has 1 MA's), (95, 35029), (107, 35068), (111, 35083), (122, 35137), (134, 35182), (136, 35188), (138, 35194), (140, 35200), (148, 35245), (149, 35248), (155, 35275), (178, 35335), (181, 35356), (205, 35434),

Gene: Daka_36 Start: 34340, Stop: 34990, Start Num: 82
Candidate Starts for Daka_36:

(69, 34304), (Start: 82 @34340 has 112 MA's), (Start: 83 @34343 has 196 MA's), (Start: 105 @34424 has 1 MA's), (136, 34559), (155, 34646), (172, 34691), (186, 34769), (204, 34820), (209, 34847), (211, 34865), (222, 34943), (231, 34976), (235, 34982),

Gene: Dati_36 Start: 34063, Stop: 34710, Start Num: 83
Candidate Starts for Dati_36:
(69, 34024), (Start: 82 @34060 has 112 MA's), (Start: 83 @34063 has 196 MA's), (Start: 105 @34144 has 1 MA's), (136, 34279), (155, 34366), (172, 34411), (185, 34480), (186, 34489), (204, 34540), (211, 34585), (222, 34663), (231, 34696), (235, 34702),

Gene: Dati_37 Start: 34707, Stop: 35306, Start Num: 84
Candidate Starts for Dati_37:
(26, 34500), (27, 34503), (34, 34527), (41, 34569), (44, 34587), (47, 34602), (Start: 84 @34707 has 463 MA's), (Start: 92 @34737 has 1 MA's), (95, 34749), (107, 34788), (111, 34803), (122, 34857), (134, 34902), (136, 34908), (138, 34914), (140, 34920), (148, 34965), (149, 34968), (155, 34995), (181, 35076), (198, 35139), (205, 35154),

Gene: Deenasa_37 Start: 35692, Stop: 36291, Start Num: 84
Candidate Starts for Deenasa_37:
(Start: 84 @35692 has 463 MA's), (Start: 92 @35722 has 1 MA's), (102, 35749), (119, 35836), (122, 35842), (140, 35905), (145, 35929), (148, 35950), (178, 36040), (198, 36124), (203, 36136), (213, 36196), (229, 36277),

Gene: Deenasa_36 Start: 35042, Stop: 35695, Start Num: 78
Candidate Starts for Deenasa_36:
(Start: 78 @35042 has 51 MA's), (102, 35123), (107, 35147), (135, 35270), (170, 35396), (177, 35411), (189, 35486), (223, 35651), (224, 35654), (231, 35681),

Gene: DelRivs_35 Start: 34064, Stop: 34711, Start Num: 83
Candidate Starts for DelRivs_35:
(69, 34025), (Start: 82 @34061 has 112 MA's), (Start: 83 @34064 has 196 MA's), (Start: 105 @34145 has 1 MA's), (136, 34280), (155, 34367), (172, 34412), (186, 34490), (204, 34541), (209, 34568), (211, 34586), (222, 34664), (231, 34697), (235, 34703),

Gene: DelRivs_36 Start: 34708, Stop: 35307, Start Num: 84
Candidate Starts for DelRivs_36:
(26, 34501), (27, 34504), (34, 34528), (41, 34570), (44, 34588), (47, 34603), (Start: 84 @34708 has 463 MA's), (Start: 92 @34738 has 1 MA's), (95, 34750), (107, 34789), (111, 34804), (122, 34858), (134, 34903), (136, 34909), (138, 34915), (140, 34921), (148, 34966), (149, 34969), (155, 34996), (178, 35056), (181, 35077), (198, 35140), (205, 35155),

Gene: Derpp_35 Start: 33905, Stop: 34555, Start Num: 82
Candidate Starts for Derpp_35:
(69, 33869), (Start: 82 @33905 has 112 MA's), (Start: 83 @33908 has 196 MA's), (Start: 105 @33989 has 1 MA's), (136, 34124), (155, 34211), (172, 34256), (185, 34325), (186, 34334), (204, 34385), (211, 34430), (222, 34508), (231, 34541), (235, 34547),

Gene: Derpp_36 Start: 34552, Stop: 35151, Start Num: 84
Candidate Starts for Derpp_36:
(26, 34345), (27, 34348), (34, 34372), (41, 34414), (44, 34432), (47, 34447), (Start: 84 @34552 has 463 MA's), (Start: 92 @34582 has 1 MA's), (95, 34594), (107, 34633), (111, 34648), (122, 34702), (134, 34747), (136, 34753), (138, 34759), (140, 34765), (148, 34810), (149, 34813), (155, 34840), (178, 34900), (181, 34921), (198, 34984), (205, 34999),

Gene: Devonte_36 Start: 34267, Stop: 34920, Start Num: 78
Candidate Starts for Devonte_36:
(Start: 78 @34267 has 51 MA's), (102, 34348), (107, 34372), (135, 34495), (170, 34621), (177, 34636), (189, 34711), (223, 34876), (224, 34879), (231, 34906),

Gene: Devonte_37 Start: 34917, Stop: 35516, Start Num: 84
Candidate Starts for Devonte_37:
(Start: 84 @34917 has 463 MA's), (Start: 92 @34947 has 1 MA's), (102, 34974), (119, 35061), (140, 35130), (145, 35154), (148, 35175), (178, 35265), (198, 35349), (203, 35361), (213, 35421), (224, 35481), (229, 35502),

Gene: Dice_35 Start: 34043, Stop: 34690, Start Num: 83
Candidate Starts for Dice_35:
(69, 34004), (Start: 82 @34040 has 112 MA's), (Start: 83 @34043 has 196 MA's), (Start: 105 @34124 has 1 MA's), (136, 34259), (155, 34346), (172, 34391), (186, 34469), (204, 34520), (209, 34547), (211, 34565), (222, 34643), (231, 34676), (235, 34682),

Gene: Dice_36 Start: 34687, Stop: 35286, Start Num: 84
Candidate Starts for Dice_36:
(27, 34483), (34, 34507), (41, 34549), (44, 34567), (47, 34582), (Start: 84 @34687 has 463 MA's), (Start: 92 @34717 has 1 MA's), (95, 34729), (107, 34768), (111, 34783), (122, 34837), (134, 34882), (136, 34888), (138, 34894), (140, 34900), (148, 34945), (149, 34948), (155, 34975), (178, 35035), (181, 35056), (205, 35134),

Gene: DigitDog_36 Start: 35292, Stop: 35903, Start Num: 84
Candidate Starts for DigitDog_36:
(51, 35199), (53, 35205), (61, 35235), (65, 35244), (70, 35250), (Start: 84 @35292 has 463 MA's), (Start: 92 @35325 has 1 MA's), (107, 35376), (119, 35439), (122, 35445), (136, 35496), (138, 35502), (140, 35508), (149, 35556), (196, 35721), (198, 35727), (216, 35829), (225, 35871), (229, 35889),

Gene: DigitDog_35 Start: 34556, Stop: 35185, Start Num: 82
Candidate Starts for DigitDog_35:
(Start: 82 @34556 has 112 MA's), (104, 34634), (108, 34646), (135, 34772), (138, 34781), (140, 34787), (148, 34832), (168, 34880), (170, 34886), (211, 35060), (233, 35174),

Gene: Dingo_36 Start: 34326, Stop: 34973, Start Num: 83
Candidate Starts for Dingo_36:
(38, 34176), (69, 34287), (Start: 82 @34323 has 112 MA's), (Start: 83 @34326 has 196 MA's), (Start: 105 @34407 has 1 MA's), (136, 34542), (155, 34629), (172, 34674), (186, 34752), (204, 34803), (209, 34830), (211, 34848), (222, 34926), (231, 34959), (235, 34965),

Gene: Dingo_37 Start: 34970, Stop: 35569, Start Num: 84
Candidate Starts for Dingo_37:
(27, 34766), (34, 34790), (41, 34832), (44, 34850), (47, 34865), (Start: 84 @34970 has 463 MA's), (Start: 92 @35000 has 1 MA's), (95, 35012), (107, 35051), (111, 35066), (112, 35069), (122, 35120), (134, 35165), (136, 35171), (138, 35177), (140, 35183), (148, 35228), (149, 35231), (155, 35258), (178, 35318), (181, 35339), (205, 35417),

Gene: Dione_35 Start: 34045, Stop: 34695, Start Num: 82
Candidate Starts for Dione_35:
(69, 34009), (Start: 82 @34045 has 112 MA's), (Start: 83 @34048 has 196 MA's), (Start: 105 @34129 has 1 MA's), (136, 34264), (155, 34351), (172, 34396), (186, 34474), (204, 34525), (209, 34552), (211,

34570), (222, 34648), (231, 34681), (235, 34687),

Gene: Dione_36 Start: 34692, Stop: 35291, Start Num: 84
Candidate Starts for Dione_36:
(27, 34488), (34, 34512), (41, 34554), (44, 34572), (47, 34587), (Start: 84 @34692 has 463 MA's), (Start: 92 @34722 has 1 MA's), (95, 34734), (107, 34773), (111, 34788), (122, 34842), (134, 34887), (136, 34893), (138, 34899), (140, 34905), (148, 34950), (149, 34953), (155, 34980), (178, 35040), (181, 35061), (205, 35139),

Gene: DirtJuice_36 Start: 34332, Stop: 34979, Start Num: 83
Candidate Starts for DirtJuice_36:
(38, 34182), (69, 34293), (Start: 82 @34329 has 112 MA's), (Start: 83 @34332 has 196 MA's), (Start: 105 @34413 has 1 MA's), (136, 34548), (155, 34635), (172, 34680), (186, 34758), (204, 34809), (209, 34836), (211, 34854), (222, 34932), (231, 34965), (235, 34971),

Gene: DirtJuice_37 Start: 34976, Stop: 35575, Start Num: 84
Candidate Starts for DirtJuice_37:
(27, 34772), (34, 34796), (41, 34838), (44, 34856), (47, 34871), (Start: 84 @34976 has 463 MA's), (Start: 92 @35006 has 1 MA's), (95, 35018), (107, 35057), (111, 35072), (122, 35126), (134, 35171), (136, 35177), (138, 35183), (140, 35189), (148, 35234), (149, 35237), (155, 35264), (178, 35324), (181, 35345), (205, 35423),

Gene: Doddsville_37 Start: 34706, Stop: 35305, Start Num: 84
Candidate Starts for Doddsville_37:
(26, 34499), (27, 34502), (34, 34526), (41, 34568), (44, 34586), (47, 34601), (Start: 84 @34706 has 463 MA's), (Start: 92 @34736 has 1 MA's), (95, 34748), (107, 34787), (111, 34802), (122, 34856), (134, 34901), (136, 34907), (138, 34913), (140, 34919), (148, 34964), (149, 34967), (155, 34994), (178, 35054), (181, 35075), (198, 35138), (205, 35153),

Gene: Doddsville_36 Start: 34062, Stop: 34709, Start Num: 83
Candidate Starts for Doddsville_36:
(69, 34023), (Start: 82 @34059 has 112 MA's), (Start: 83 @34062 has 196 MA's), (Start: 105 @34143 has 1 MA's), (136, 34278), (155, 34365), (172, 34410), (185, 34479), (186, 34488), (204, 34539), (211, 34584), (222, 34662), (231, 34695), (235, 34701),

Gene: DoesntMatter_36 Start: 34335, Stop: 34982, Start Num: 83
Candidate Starts for DoesntMatter_36:
(38, 34185), (69, 34296), (Start: 82 @34332 has 112 MA's), (Start: 83 @34335 has 196 MA's), (Start: 105 @34416 has 1 MA's), (136, 34551), (155, 34638), (172, 34683), (186, 34761), (204, 34812), (209, 34839), (211, 34857), (222, 34935), (231, 34968), (235, 34974),

Gene: DoesntMatter_37 Start: 34979, Stop: 35578, Start Num: 84
Candidate Starts for DoesntMatter_37:
(27, 34775), (34, 34799), (41, 34841), (44, 34859), (47, 34874), (Start: 84 @34979 has 463 MA's), (Start: 92 @35009 has 1 MA's), (95, 35021), (107, 35060), (111, 35075), (122, 35129), (134, 35174), (136, 35180), (138, 35186), (140, 35192), (148, 35237), (149, 35240), (155, 35267), (178, 35327), (181, 35348), (205, 35426),

Gene: DolOn_37 Start: 34572, Stop: 35219, Start Num: 83
Candidate Starts for DolOn_37:
(38, 34422), (69, 34533), (Start: 82 @34569 has 112 MA's), (Start: 83 @34572 has 196 MA's), (Start: 105 @34653 has 1 MA's), (136, 34788), (155, 34875), (172, 34920), (186, 34998), (204, 35049), (209, 35076), (211, 35094), (222, 35172), (231, 35205), (235, 35211),

Gene: DolOn_38 Start: 35216, Stop: 35815, Start Num: 84
Candidate Starts for DolOn_38:
(27, 35012), (34, 35036), (41, 35078), (44, 35096), (47, 35111), (Start: 84 @35216 has 463 MA's), (Start: 92 @35246 has 1 MA's), (95, 35258), (107, 35297), (111, 35312), (122, 35366), (134, 35411), (136, 35417), (138, 35423), (140, 35429), (148, 35474), (149, 35477), (155, 35504), (178, 35564), (181, 35585), (205, 35663),

Gene: DonSanchon_36 Start: 34686, Stop: 35285, Start Num: 84
Candidate Starts for DonSanchon_36:
(27, 34482), (34, 34506), (41, 34548), (44, 34566), (47, 34581), (Start: 84 @34686 has 463 MA's), (Start: 92 @34716 has 1 MA's), (95, 34728), (107, 34767), (111, 34782), (122, 34836), (134, 34881), (136, 34887), (138, 34893), (140, 34899), (148, 34944), (149, 34947), (155, 34974), (178, 35034), (181, 35055), (205, 35133),

Gene: DonSanchon_35 Start: 34042, Stop: 34689, Start Num: 83
Candidate Starts for DonSanchon_35:
(69, 34003), (Start: 82 @34039 has 112 MA's), (Start: 83 @34042 has 196 MA's), (Start: 105 @34123 has 1 MA's), (136, 34258), (155, 34345), (172, 34390), (186, 34468), (204, 34519), (209, 34546), (211, 34564), (222, 34642), (231, 34675), (235, 34681),

Gene: Donny_36 Start: 35588, Stop: 36196, Start Num: 84
Candidate Starts for Donny_36:
(34, 35411), (44, 35468), (Start: 84 @35588 has 463 MA's), (Start: 92 @35618 has 1 MA's), (108, 35672), (116, 35717), (119, 35732), (122, 35738), (127, 35753), (136, 35789), (138, 35795), (140, 35801), (149, 35849), (158, 35882), (198, 36020), (201, 36026), (225, 36164), (229, 36182),

Gene: Donny_35 Start: 34962, Stop: 35591, Start Num: 82
Candidate Starts for Donny_35:
(Start: 82 @34962 has 112 MA's), (104, 35040), (108, 35052), (118, 35112), (135, 35178), (138, 35187), (140, 35193), (148, 35238), (168, 35286), (170, 35292), (211, 35466), (233, 35580),

Gene: Dori_32 Start: 30878, Stop: 31522, Start Num: 79
Candidate Starts for Dori_32:
(21, 30638), (54, 30812), (Start: 79 @30878 has 48 MA's), (110, 30992), (115, 31025), (118, 31043), (123, 31058), (140, 31121), (148, 31166), (150, 31172), (168, 31214), (170, 31220), (185, 31292), (186, 31301), (189, 31310), (200, 31343), (211, 31397), (231, 31508), (233, 31511),

Gene: Dori_33 Start: 31519, Stop: 32118, Start Num: 84
Candidate Starts for Dori_33:
(60, 31465), (73, 31483), (Start: 84 @31519 has 463 MA's), (89, 31531), (Start: 92 @31549 has 1 MA's), (102, 31576), (107, 31600), (108, 31603), (119, 31663), (136, 31720), (138, 31726), (184, 31903), (198, 31951), (226, 32089), (229, 32104),

Gene: DuchessDung_34 Start: 33199, Stop: 33846, Start Num: 83
Candidate Starts for DuchessDung_34:
(69, 33160), (Start: 82 @33196 has 112 MA's), (Start: 83 @33199 has 196 MA's), (Start: 105 @33280 has 1 MA's), (136, 33415), (155, 33502), (172, 33547), (185, 33616), (186, 33625), (204, 33676), (211, 33721), (222, 33799), (231, 33832), (235, 33838),

Gene: DuchessDung_35 Start: 33843, Stop: 34442, Start Num: 84
Candidate Starts for DuchessDung_35:

(26, 33636), (27, 33639), (34, 33663), (41, 33705), (44, 33723), (47, 33738), (Start: 84 @33843 has 463 MA's), (Start: 92 @33873 has 1 MA's), (95, 33885), (107, 33924), (111, 33939), (122, 33993), (134, 34038), (136, 34044), (138, 34050), (140, 34056), (148, 34101), (149, 34104), (155, 34131), (178, 34191), (181, 34212), (198, 34275), (205, 34290),

Gene: Duggie_35 Start: 34064, Stop: 34711, Start Num: 83
Candidate Starts for Duggie_35:
(69, 34025), (Start: 82 @34061 has 112 MA's), (Start: 83 @34064 has 196 MA's), (Start: 105 @34145 has 1 MA's), (136, 34280), (155, 34367), (172, 34412), (185, 34481), (186, 34490), (204, 34541), (211, 34586), (222, 34664), (231, 34697), (235, 34703),

Gene: Duggie_36 Start: 34708, Stop: 35307, Start Num: 84
Candidate Starts for Duggie_36:
(26, 34501), (27, 34504), (34, 34528), (41, 34570), (44, 34588), (47, 34603), (Start: 84 @34708 has 463 MA's), (Start: 92 @34738 has 1 MA's), (95, 34750), (107, 34789), (111, 34804), (122, 34858), (134, 34903), (136, 34909), (138, 34915), (140, 34921), (148, 34966), (149, 34969), (155, 34996), (178, 35056), (181, 35077), (198, 35140), (205, 35155),

Gene: Durga_36 Start: 34362, Stop: 35009, Start Num: 83
Candidate Starts for Durga_36:
(69, 34323), (Start: 82 @34359 has 112 MA's), (Start: 83 @34362 has 196 MA's), (Start: 105 @34443 has 1 MA's), (136, 34578), (155, 34665), (172, 34710), (185, 34779), (186, 34788), (204, 34839), (211, 34884), (222, 34962), (231, 34995), (235, 35001),

Gene: Durga_37 Start: 35006, Stop: 35605, Start Num: 84
Candidate Starts for Durga_37:
(26, 34799), (27, 34802), (34, 34826), (41, 34868), (44, 34886), (47, 34901), (Start: 84 @35006 has 463 MA's), (Start: 92 @35036 has 1 MA's), (95, 35048), (107, 35087), (111, 35102), (122, 35156), (134, 35201), (136, 35207), (138, 35213), (140, 35219), (148, 35264), (149, 35267), (155, 35294), (178, 35354), (181, 35375), (198, 35438), (205, 35453),

Gene: Eaglehorse_38 Start: 35507, Stop: 36106, Start Num: 84
Candidate Starts for Eaglehorse_38:
(Start: 78 @35486 has 51 MA's), (Start: 84 @35507 has 463 MA's), (Start: 92 @35537 has 1 MA's), (98, 35558), (107, 35588), (108, 35591), (122, 35657), (136, 35708), (137, 35711), (138, 35714), (145, 35744), (148, 35765), (171, 35831), (179, 35861), (203, 35951), (205, 35954), (208, 35972), (211, 35996), (222, 36065), (229, 36092),

Gene: Eaglehorse_36 Start: 34717, Stop: 35361, Start Num: 79
Candidate Starts for Eaglehorse_36:
(32, 34552), (54, 34663), (Start: 79 @34717 has 48 MA's), (Start: 81 @34726 has 1 MA's), (102, 34795), (108, 34822), (110, 34831), (132, 34936), (136, 34948), (140, 34960), (168, 35053), (182, 35119), (186, 35140), (191, 35155), (193, 35161), (200, 35182), (206, 35194), (233, 35350),

Gene: EastView9101_35 Start: 35238, Stop: 35846, Start Num: 84
Candidate Starts for EastView9101_35:
(34, 35061), (44, 35118), (Start: 84 @35238 has 463 MA's), (Start: 92 @35268 has 1 MA's), (108, 35322), (116, 35367), (119, 35382), (122, 35388), (127, 35403), (136, 35439), (138, 35445), (140, 35451), (149, 35499), (158, 35532), (198, 35670), (201, 35676), (225, 35814), (229, 35832),

Gene: EastView9101_34 Start: 34612, Stop: 35241, Start Num: 82
Candidate Starts for EastView9101_34:

(Start: 82 @34612 has 112 MA's), (104, 34690), (108, 34702), (118, 34762), (135, 34828), (138, 34837), (140, 34843), (148, 34888), (168, 34936), (170, 34942), (211, 35116), (233, 35230),

Gene: ElvisPhasley_37 Start: 35028, Stop: 35627, Start Num: 84
Candidate Starts for ElvisPhasley_37:
(26, 34821), (27, 34824), (34, 34848), (41, 34890), (44, 34908), (47, 34923), (Start: 84 @35028 has 463 MA's), (Start: 92 @35058 has 1 MA's), (95, 35070), (107, 35109), (111, 35124), (122, 35178), (134, 35223), (136, 35229), (138, 35235), (140, 35241), (148, 35286), (149, 35289), (155, 35316), (181, 35397), (198, 35460), (205, 35475),

Gene: ElvisPhasley_36 Start: 34384, Stop: 35031, Start Num: 83
Candidate Starts for ElvisPhasley_36:
(69, 34345), (Start: 82 @34381 has 112 MA's), (Start: 83 @34384 has 196 MA's), (Start: 105 @34465 has 1 MA's), (136, 34600), (155, 34687), (172, 34732), (186, 34810), (204, 34861), (211, 34906), (222, 34984), (231, 35017), (235, 35023),

Gene: Emiris_37 Start: 34977, Stop: 35576, Start Num: 84
Candidate Starts for Emiris_37:
(26, 34770), (27, 34773), (34, 34797), (41, 34839), (44, 34857), (47, 34872), (Start: 84 @34977 has 463 MA's), (Start: 92 @35007 has 1 MA's), (95, 35019), (107, 35058), (111, 35073), (122, 35127), (134, 35172), (136, 35178), (138, 35184), (140, 35190), (148, 35235), (149, 35238), (155, 35265), (178, 35325), (181, 35346), (198, 35409), (205, 35424),

Gene: Emiris_36 Start: 34333, Stop: 34980, Start Num: 83
Candidate Starts for Emiris_36:
(69, 34294), (Start: 82 @34330 has 112 MA's), (Start: 83 @34333 has 196 MA's), (Start: 105 @34414 has 1 MA's), (136, 34549), (155, 34636), (172, 34681), (185, 34750), (186, 34759), (204, 34810), (211, 34855), (222, 34933), (231, 34966), (235, 34972),

Gene: EmpTee_36 Start: 34339, Stop: 34989, Start Num: 82
Candidate Starts for EmpTee_36:
(38, 34192), (69, 34303), (Start: 82 @34339 has 112 MA's), (Start: 83 @34342 has 196 MA's), (Start: 105 @34423 has 1 MA's), (136, 34558), (155, 34645), (172, 34690), (186, 34768), (204, 34819), (209, 34846), (211, 34864), (222, 34942), (231, 34975), (235, 34981),

Gene: EmpTee_37 Start: 34986, Stop: 35585, Start Num: 84
Candidate Starts for EmpTee_37:
(27, 34782), (34, 34806), (41, 34848), (44, 34866), (47, 34881), (Start: 84 @34986 has 463 MA's), (Start: 92 @35016 has 1 MA's), (95, 35028), (107, 35067), (111, 35082), (122, 35136), (134, 35181), (136, 35187), (138, 35193), (140, 35199), (148, 35244), (149, 35247), (155, 35274), (178, 35334), (181, 35355),

Gene: Epah_32 Start: 33506, Stop: 34153, Start Num: 64
Candidate Starts for Epah_32:
(Start: 64 @33506 has 28 MA's), (94, 33584), (97, 33596), (115, 33668), (124, 33692), (129, 33713), (130, 33722), (131, 33725), (134, 33734), (135, 33737), (146, 33782), (157, 33836), (164, 33854), (181, 33914), (185, 33926), (205, 33986), (209, 34010), (211, 34028), (225, 34115), (233, 34142),

Gene: Epah_33 Start: 34150, Stop: 34755, Start Num: 84
Candidate Starts for Epah_33:
(Start: 84 @34150 has 463 MA's), (Start: 92 @34186 has 1 MA's), (107, 34237), (108, 34240), (119, 34300), (122, 34306), (134, 34351), (137, 34360), (138, 34363), (139, 34366), (145, 34393), (155, 34444), (179, 34510), (181, 34525), (198, 34588), (211, 34645), (225, 34723), (229, 34741),

Gene: Eremos_37 Start: 34985, Stop: 35584, Start Num: 84
Candidate Starts for Eremos_37:
(27, 34781), (34, 34805), (41, 34847), (44, 34865), (47, 34880), (Start: 84 @34985 has 463 MA's), (Start: 92 @35015 has 1 MA's), (95, 35027), (107, 35066), (111, 35081), (122, 35135), (134, 35180), (136, 35186), (138, 35192), (140, 35198), (148, 35243), (149, 35246), (155, 35273), (178, 35333), (181, 35354), (205, 35432),

Gene: Eremos_36 Start: 34338, Stop: 34988, Start Num: 82
Candidate Starts for Eremos_36:
(69, 34302), (Start: 82 @34338 has 112 MA's), (Start: 83 @34341 has 196 MA's), (Start: 105 @34422 has 1 MA's), (136, 34557), (155, 34644), (172, 34689), (186, 34767), (204, 34818), (209, 34845), (211, 34863), (222, 34941), (231, 34974), (235, 34980),

Gene: Etaye_37 Start: 34976, Stop: 35575, Start Num: 84
Candidate Starts for Etaye_37:
(26, 34769), (27, 34772), (34, 34796), (41, 34838), (44, 34856), (47, 34871), (Start: 84 @34976 has 463 MA's), (Start: 92 @35006 has 1 MA's), (95, 35018), (107, 35057), (111, 35072), (122, 35126), (134, 35171), (136, 35177), (138, 35183), (140, 35189), (148, 35234), (149, 35237), (155, 35264), (178, 35324), (181, 35345), (198, 35408), (205, 35423),

Gene: Etaye_36 Start: 34332, Stop: 34979, Start Num: 83
Candidate Starts for Etaye_36:
(69, 34293), (Start: 82 @34329 has 112 MA's), (Start: 83 @34332 has 196 MA's), (Start: 105 @34413 has 1 MA's), (136, 34548), (155, 34635), (172, 34680), (185, 34749), (186, 34758), (204, 34809), (211, 34854), (222, 34932), (231, 34965), (235, 34971),

Gene: Eugenia_36 Start: 34351, Stop: 34998, Start Num: 83
Candidate Starts for Eugenia_36:
(69, 34312), (Start: 82 @34348 has 112 MA's), (Start: 83 @34351 has 196 MA's), (Start: 105 @34432 has 1 MA's), (136, 34567), (155, 34654), (172, 34699), (186, 34777), (204, 34828), (209, 34855), (211, 34873), (222, 34951), (231, 34984), (235, 34990),

Gene: Eugenia_37 Start: 34995, Stop: 35594, Start Num: 84
Candidate Starts for Eugenia_37:
(27, 34791), (34, 34815), (41, 34857), (44, 34875), (47, 34890), (Start: 84 @34995 has 463 MA's), (Start: 92 @35025 has 1 MA's), (95, 35037), (107, 35076), (111, 35091), (122, 35145), (134, 35190), (136, 35196), (138, 35202), (140, 35208), (148, 35253), (149, 35256), (155, 35283), (178, 35343), (181, 35364), (205, 35442),

Gene: Evaa_30 Start: 28903, Stop: 29499, Start Num: 236
Candidate Starts for Evaa_30:
(103, 28354), (128, 28465), (198, 28726), (220, 28849), (Start: 236 @28903 has 2 MA's), (238, 28936), (242, 28987), (243, 28990), (246, 29050), (248, 29056), (251, 29107), (253, 29113), (257, 29164), (261, 29218), (263, 29260), (266, 29305), (273, 29371), (276, 29410), (279, 29494),

Gene: Evaa_29 Start: 28292, Stop: 28906, Start Num: 85
Candidate Starts for Evaa_29:
(Start: 85 @28292 has 18 MA's), (104, 28361), (115, 28412), (123, 28445), (136, 28496), (137, 28499), (140, 28508), (145, 28532), (168, 28601), (170, 28607), (175, 28619), (189, 28697), (231, 28892), (233, 28895),

Gene: Fanaw_32 Start: 34203, Stop: 34850, Start Num: 64

Candidate Starts for Fanaw_32:
(Start: 64 @34203 has 28 MA's), (94, 34281), (97, 34293), (115, 34365), (130, 34419), (131, 34422), (134, 34431), (146, 34479), (157, 34533), (164, 34551), (181, 34611), (185, 34623), (205, 34683), (208, 34701), (209, 34707), (211, 34725), (225, 34812), (226, 34815), (233, 34839),

Gene: Fanaw_33 Start: 34847, Stop: 35452, Start Num: 84
Candidate Starts for Fanaw_33:
(Start: 84 @34847 has 463 MA's), (Start: 92 @34883 has 1 MA's), (107, 34934), (108, 34937), (119, 34997), (122, 35003), (134, 35048), (137, 35057), (138, 35060), (139, 35063), (145, 35090), (148, 35111), (155, 35141), (179, 35207), (181, 35222), (198, 35285), (211, 35342), (225, 35420), (229, 35438),

Gene: Fang_36 Start: 34352, Stop: 35002, Start Num: 82
Candidate Starts for Fang_36:
(69, 34316), (Start: 82 @34352 has 112 MA's), (Start: 83 @34355 has 196 MA's), (Start: 105 @34436 has 1 MA's), (136, 34571), (155, 34658), (172, 34703), (186, 34781), (204, 34832), (209, 34859), (211, 34877), (222, 34955), (231, 34988), (235, 34994),

Gene: Fang_37 Start: 34999, Stop: 35598, Start Num: 84
Candidate Starts for Fang_37:
(27, 34795), (34, 34819), (41, 34861), (44, 34879), (47, 34894), (Start: 84 @34999 has 463 MA's), (Start: 92 @35029 has 1 MA's), (95, 35041), (107, 35080), (111, 35095), (122, 35149), (134, 35194), (136, 35200), (138, 35206), (140, 35212), (148, 35257), (149, 35260), (155, 35287), (178, 35347), (181, 35368), (205, 35446),

Gene: Faze9_36 Start: 34813, Stop: 35457, Start Num: 79
Candidate Starts for Faze9_36:
(10, 34444), (12, 34456), (18, 34555), (32, 34648), (54, 34759), (Start: 79 @34813 has 48 MA's), (Start: 81 @34822 has 1 MA's), (102, 34891), (108, 34918), (110, 34927), (136, 35044), (140, 35056), (168, 35149), (182, 35215), (186, 35236), (191, 35251), (193, 35257), (200, 35278), (206, 35290), (233, 35446),

Gene: Faze9_37 Start: 35603, Stop: 36202, Start Num: 84
Candidate Starts for Faze9_37:
(Start: 78 @35582 has 51 MA's), (Start: 84 @35603 has 463 MA's), (Start: 92 @35633 has 1 MA's), (98, 35654), (107, 35684), (108, 35687), (122, 35753), (136, 35804), (137, 35807), (138, 35810), (145, 35840), (148, 35861), (171, 35927), (179, 35957), (203, 36047), (205, 36050), (208, 36068), (211, 36092), (222, 36161), (229, 36188),

Gene: FelixTres_31 Start: 29462, Stop: 30073, Start Num: 86
Candidate Starts for FelixTres_31:
(Start: 85 @29459 has 18 MA's), (Start: 86 @29462 has 5 MA's), (104, 29528), (109, 29543), (111, 29552), (117, 29591), (123, 29612), (127, 29627), (135, 29660), (145, 29699), (146, 29702), (148, 29720), (170, 29774), (224, 30032), (233, 30062),

Gene: FelixTres_32 Start: 30070, Stop: 30666, Start Num: 84
Candidate Starts for FelixTres_32:
(34, 29893), (41, 29932), (42, 29941), (58, 30004), (60, 30016), (Start: 84 @30070 has 463 MA's), (Start: 92 @30100 has 1 MA's), (119, 30214), (122, 30220), (136, 30271), (138, 30277), (148, 30328), (149, 30331), (171, 30394), (177, 30406), (178, 30418), (187, 30469), (197, 30499), (205, 30517), (207, 30526), (229, 30652),

Gene: Flake_36 Start: 34397, Stop: 35044, Start Num: 83

Candidate Starts for Flake_36:
(38, 34247), (69, 34358), (Start: 82 @34394 has 112 MA's), (Start: 83 @34397 has 196 MA's), (Start: 105 @34478 has 1 MA's), (136, 34613), (155, 34700), (172, 34745), (186, 34823), (204, 34874), (209, 34901), (211, 34919), (222, 34997), (231, 35030), (235, 35036),

Gene: Flake_37 Start: 35041, Stop: 35640, Start Num: 84
Candidate Starts for Flake_37:
(27, 34837), (34, 34861), (41, 34903), (44, 34921), (47, 34936), (Start: 84 @35041 has 463 MA's), (Start: 92 @35071 has 1 MA's), (95, 35083), (107, 35122), (111, 35137), (122, 35191), (134, 35236), (136, 35242), (138, 35248), (140, 35254), (148, 35299), (149, 35302), (155, 35329), (181, 35410), (198, 35473), (205, 35488),

Gene: FleetyMac_36 Start: 34994, Stop: 35593, Start Num: 84
Candidate Starts for FleetyMac_36:
(27, 34790), (34, 34814), (41, 34856), (44, 34874), (47, 34889), (Start: 84 @34994 has 463 MA's), (Start: 92 @35024 has 1 MA's), (95, 35036), (107, 35075), (111, 35090), (122, 35144), (134, 35189), (136, 35195), (138, 35201), (140, 35207), (148, 35252), (149, 35255), (155, 35282), (181, 35363), (198, 35426), (205, 35441),

Gene: FleetyMac_35 Start: 34350, Stop: 34997, Start Num: 83
Candidate Starts for FleetyMac_35:
(38, 34200), (69, 34311), (Start: 82 @34347 has 112 MA's), (Start: 83 @34350 has 196 MA's), (Start: 105 @34431 has 1 MA's), (136, 34566), (155, 34653), (172, 34698), (186, 34776), (204, 34827), (209, 34854), (211, 34872), (222, 34950), (231, 34983), (235, 34989),

Gene: FluffyNinja_37 Start: 34992, Stop: 35591, Start Num: 84
Candidate Starts for FluffyNinja_37:
(27, 34788), (34, 34812), (41, 34854), (44, 34872), (47, 34887), (Start: 84 @34992 has 463 MA's), (Start: 92 @35022 has 1 MA's), (95, 35034), (107, 35073), (111, 35088), (122, 35142), (134, 35187), (136, 35193), (138, 35199), (140, 35205), (148, 35250), (149, 35253), (155, 35280), (178, 35340), (181, 35361), (205, 35439),

Gene: FluffyNinja_36 Start: 34345, Stop: 34995, Start Num: 82
Candidate Starts for FluffyNinja_36:
(69, 34309), (Start: 82 @34345 has 112 MA's), (Start: 83 @34348 has 196 MA's), (Start: 105 @34429 has 1 MA's), (136, 34564), (155, 34651), (172, 34696), (186, 34774), (204, 34825), (209, 34852), (211, 34870), (222, 34948), (231, 34981), (235, 34987),

Gene: ForDig_31 Start: 32705, Stop: 33313, Start Num: 84
Candidate Starts for ForDig_31:
(14, 32351), (27, 32504), (34, 32528), (59, 32651), (Start: 84 @32705 has 463 MA's), (119, 32849), (122, 32855), (136, 32906), (139, 32915), (140, 32918), (148, 32963), (154, 32990), (169, 33026), (173, 33032), (178, 33053), (207, 33161), (216, 33239), (225, 33281), (229, 33299),

Gene: ForDig_30 Start: 32064, Stop: 32708, Start Num: 82
Candidate Starts for ForDig_30:
(Start: 82 @32064 has 112 MA's), (104, 32139), (108, 32151), (127, 32241), (139, 32286), (167, 32400), (172, 32412), (178, 32436), (180, 32454), (182, 32469), (194, 32517), (233, 32697),

Gene: Fortunato_33 Start: 34531, Stop: 35178, Start Num: 64
Candidate Starts for Fortunato_33:
(Start: 64 @34531 has 28 MA's), (94, 34609), (97, 34621), (115, 34693), (130, 34747), (131, 34750), (134, 34759), (146, 34807), (157, 34861), (164, 34879), (181, 34939), (185, 34951), (209, 35035),

(211, 35053), (225, 35140), (226, 35143), (233, 35167),

Gene: Fortunato_34 Start: 35175, Stop: 35780, Start Num: 84
Candidate Starts for Fortunato_34:
(Start: 84 @35175 has 463 MA's), (Start: 92 @35211 has 1 MA's), (102, 35238), (107, 35262), (108, 35265), (119, 35325), (122, 35331), (134, 35376), (137, 35385), (138, 35388), (139, 35391), (145, 35418), (148, 35439), (155, 35469), (179, 35535), (181, 35550), (198, 35613), (211, 35670), (225, 35748), (229, 35766),

Gene: Fozzie_35 Start: 34364, Stop: 35011, Start Num: 83
Candidate Starts for Fozzie_35:
(69, 34325), (Start: 82 @34361 has 112 MA's), (Start: 83 @34364 has 196 MA's), (Start: 105 @34445 has 1 MA's), (136, 34580), (155, 34667), (172, 34712), (186, 34790), (204, 34841), (209, 34868), (211, 34886), (222, 34964), (231, 34997), (235, 35003),

Gene: Fozzie_36 Start: 35008, Stop: 35607, Start Num: 84
Candidate Starts for Fozzie_36:
(27, 34804), (34, 34828), (41, 34870), (44, 34888), (47, 34903), (Start: 84 @35008 has 463 MA's), (Start: 92 @35038 has 1 MA's), (95, 35050), (107, 35089), (111, 35104), (122, 35158), (134, 35203), (136, 35209), (138, 35215), (140, 35221), (148, 35266), (149, 35269), (155, 35296), (178, 35356), (181, 35377), (205, 35455),

Gene: Frankicide_36 Start: 34360, Stop: 35007, Start Num: 83
Candidate Starts for Frankicide_36:
(38, 34210), (69, 34321), (Start: 82 @34357 has 112 MA's), (Start: 83 @34360 has 196 MA's), (Start: 105 @34441 has 1 MA's), (136, 34576), (155, 34663), (172, 34708), (186, 34786), (204, 34837), (209, 34864), (211, 34882), (222, 34960), (231, 34993), (235, 34999),

Gene: Frankicide_37 Start: 35004, Stop: 35603, Start Num: 84
Candidate Starts for Frankicide_37:
(27, 34800), (34, 34824), (41, 34866), (44, 34884), (47, 34899), (Start: 84 @35004 has 463 MA's), (Start: 92 @35034 has 1 MA's), (95, 35046), (107, 35085), (111, 35100), (122, 35154), (134, 35199), (136, 35205), (138, 35211), (140, 35217), (148, 35262), (149, 35265), (155, 35292), (178, 35352), (181, 35373), (205, 35451),

Gene: Frederick_33 Start: 34537, Stop: 35184, Start Num: 64
Candidate Starts for Frederick_33:
(Start: 64 @34537 has 28 MA's), (94, 34615), (97, 34627), (115, 34699), (124, 34723), (130, 34753), (131, 34756), (134, 34765), (146, 34813), (157, 34867), (164, 34885), (181, 34945), (185, 34957), (205, 35017), (209, 35041), (211, 35059), (225, 35146), (226, 35149), (233, 35173),

Gene: Frederick_34 Start: 35181, Stop: 35786, Start Num: 84
Candidate Starts for Frederick_34:
(Start: 84 @35181 has 463 MA's), (Start: 92 @35217 has 1 MA's), (102, 35244), (107, 35268), (108, 35271), (119, 35331), (122, 35337), (134, 35382), (137, 35391), (138, 35394), (139, 35397), (145, 35424), (148, 35445), (155, 35475), (179, 35541), (181, 35556), (198, 35619), (211, 35676), (225, 35754), (229, 35772),

Gene: FremontTroll_36 Start: 34102, Stop: 34749, Start Num: 83
Candidate Starts for FremontTroll_36:
(69, 34063), (Start: 82 @34099 has 112 MA's), (Start: 83 @34102 has 196 MA's), (Start: 105 @34183 has 1 MA's), (136, 34318), (155, 34405), (172, 34450), (186, 34528), (204, 34579), (209, 34606), (211, 34624), (222, 34702), (231, 34735), (235, 34741),

Gene: FremontTroll_37 Start: 34746, Stop: 35345, Start Num: 84
Candidate Starts for FremontTroll_37:
(27, 34542), (34, 34566), (41, 34608), (44, 34626), (47, 34641), (Start: 84 @34746 has 463 MA's), (Start: 92 @34776 has 1 MA's), (95, 34788), (107, 34827), (111, 34842), (122, 34896), (134, 34941), (136, 34947), (138, 34953), (140, 34959), (148, 35004), (149, 35007), (155, 35034), (178, 35094), (181, 35115), (205, 35193),

Gene: FrenchFry_38 Start: 35597, Stop: 36196, Start Num: 84
Candidate Starts for FrenchFry_38:
(Start: 78 @35576 has 51 MA's), (Start: 84 @35597 has 463 MA's), (Start: 92 @35627 has 1 MA's), (98, 35648), (107, 35678), (108, 35681), (122, 35747), (136, 35798), (137, 35801), (138, 35804), (145, 35834), (148, 35855), (171, 35921), (179, 35951), (203, 36041), (205, 36044), (208, 36062), (211, 36086), (222, 36155), (229, 36182),

Gene: FrenchFry_36 Start: 34807, Stop: 35451, Start Num: 79
Candidate Starts for FrenchFry_36:
(32, 34642), (54, 34753), (Start: 79 @34807 has 48 MA's), (Start: 81 @34816 has 1 MA's), (102, 34885), (108, 34912), (110, 34921), (113, 34930), (136, 35038), (140, 35050), (168, 35143), (182, 35209), (186, 35230), (191, 35245), (193, 35251), (200, 35272), (206, 35284), (233, 35440),

Gene: Fresco_29 Start: 27488, Stop: 28102, Start Num: 85
Candidate Starts for Fresco_29:
(39, 27338), (Start: 85 @27488 has 18 MA's), (90, 27503), (Start: 93 @27521 has 1 MA's), (104, 27557), (111, 27581), (117, 27620), (135, 27689), (136, 27692), (137, 27695), (168, 27797), (219, 28034), (222, 28055), (224, 28061), (233, 28091),

Gene: Fresco_30 Start: 28099, Stop: 28731, Start Num: 84
Candidate Starts for Fresco_30:
(34, 27922), (Start: 84 @28099 has 463 MA's), (Start: 92 @28132 has 1 MA's), (102, 28159), (122, 28252), (135, 28300), (138, 28309), (148, 28360), (169, 28423), (171, 28426), (185, 28489), (205, 28549), (207, 28558), (208, 28567), (227, 28705),

Gene: Freya_35 Start: 34039, Stop: 34686, Start Num: 83
Candidate Starts for Freya_35:
(69, 34000), (Start: 82 @34036 has 112 MA's), (Start: 83 @34039 has 196 MA's), (Start: 105 @34120 has 1 MA's), (136, 34255), (155, 34342), (172, 34387), (186, 34465), (204, 34516), (209, 34543), (211, 34561), (222, 34639), (231, 34672), (235, 34678),

Gene: Freya_36 Start: 34683, Stop: 35282, Start Num: 84
Candidate Starts for Freya_36:
(27, 34479), (34, 34503), (41, 34545), (44, 34563), (47, 34578), (Start: 84 @34683 has 463 MA's), (Start: 92 @34713 has 1 MA's), (95, 34725), (107, 34764), (111, 34779), (122, 34833), (134, 34878), (136, 34884), (138, 34890), (140, 34896), (148, 34941), (149, 34944), (155, 34971), (178, 35031), (181, 35052), (205, 35130),

Gene: FriarPreacher_37 Start: 35010, Stop: 35609, Start Num: 84
Candidate Starts for FriarPreacher_37:
(27, 34806), (34, 34830), (41, 34872), (44, 34890), (47, 34905), (Start: 84 @35010 has 463 MA's), (Start: 92 @35040 has 1 MA's), (95, 35052), (107, 35091), (111, 35106), (122, 35160), (134, 35205), (136, 35211), (138, 35217), (140, 35223), (148, 35268), (149, 35271), (155, 35298), (178, 35358), (181, 35379), (205, 35457),

Gene: FriarPreacher_36 Start: 34363, Stop: 35013, Start Num: 82
Candidate Starts for FriarPreacher_36:
(69, 34327), (Start: 82 @34363 has 112 MA's), (Start: 83 @34366 has 196 MA's), (Start: 105 @34447 has 1 MA's), (136, 34582), (155, 34669), (172, 34714), (186, 34792), (204, 34843), (209, 34870), (211, 34888), (222, 34966), (231, 34999), (235, 35005),

Gene: Fringe_37 Start: 34975, Stop: 35574, Start Num: 84
Candidate Starts for Fringe_37:
(27, 34771), (34, 34795), (41, 34837), (44, 34855), (47, 34870), (Start: 84 @34975 has 463 MA's), (Start: 92 @35005 has 1 MA's), (95, 35017), (107, 35056), (111, 35071), (122, 35125), (134, 35170), (136, 35176), (138, 35182), (140, 35188), (148, 35233), (149, 35236), (155, 35263), (178, 35323), (181, 35344), (205, 35422),

Gene: Fringe_36 Start: 34331, Stop: 34978, Start Num: 83
Candidate Starts for Fringe_36:
(38, 34181), (69, 34292), (Start: 82 @34328 has 112 MA's), (Start: 83 @34331 has 196 MA's), (Start: 105 @34412 has 1 MA's), (136, 34547), (155, 34634), (172, 34679), (186, 34757), (204, 34808), (209, 34835), (211, 34853), (222, 34931), (231, 34964), (235, 34970),

Gene: FugateOSU_36 Start: 34688, Stop: 35287, Start Num: 84
Candidate Starts for FugateOSU_36:
(27, 34484), (34, 34508), (41, 34550), (44, 34568), (47, 34583), (Start: 84 @34688 has 463 MA's), (Start: 92 @34718 has 1 MA's), (95, 34730), (107, 34769), (111, 34784), (122, 34838), (134, 34883), (136, 34889), (138, 34895), (140, 34901), (148, 34946), (149, 34949), (155, 34976), (178, 35036), (181, 35057), (205, 35135),

Gene: FugateOSU_35 Start: 34044, Stop: 34691, Start Num: 83
Candidate Starts for FugateOSU_35:
(69, 34005), (Start: 82 @34041 has 112 MA's), (Start: 83 @34044 has 196 MA's), (Start: 105 @34125 has 1 MA's), (136, 34260), (155, 34347), (172, 34392), (186, 34470), (204, 34521), (209, 34548), (211, 34566), (222, 34644), (231, 34677), (235, 34683),

Gene: Funsized_38 Start: 37106, Stop: 37753, Start Num: 82
Candidate Starts for Funsized_38:
(6, 36659), (17, 36773), (19, 36830), (24, 36893), (30, 36914), (67, 37067), (75, 37085), (Start: 82 @37106 has 112 MA's), (104, 37181), (109, 37199), (110, 37205), (127, 37286), (132, 37310), (136, 37322), (138, 37328), (172, 37457), (204, 37586), (208, 37604), (211, 37628), (226, 37718), (231, 37739), (233, 37742),

Gene: Funsized_39 Start: 37750, Stop: 38358, Start Num: 84
Candidate Starts for Funsized_39:
(59, 37696), (Start: 84 @37750 has 463 MA's), (89, 37765), (Start: 92 @37783 has 1 MA's), (102, 37810), (107, 37834), (119, 37897), (122, 37903), (136, 37954), (138, 37960), (140, 37966), (142, 37984), (145, 37990), (148, 38011), (158, 38047), (203, 38197), (205, 38200), (211, 38242), (216, 38287), (225, 38329), (229, 38347),

Gene: Gadjet_38 Start: 34940, Stop: 35539, Start Num: 84
Candidate Starts for Gadjet_38:
(26, 34736), (Start: 84 @34940 has 463 MA's), (Start: 92 @34970 has 1 MA's), (102, 34997), (119, 35084), (122, 35090), (140, 35153), (145, 35177), (178, 35288), (198, 35372), (203, 35384), (213, 35444), (229, 35525),

Gene: Gadjet_37 Start: 34290, Stop: 34943, Start Num: 78

Candidate Starts for Gadjet_37:
(Start: 78 @34290 has 51 MA's), (102, 34371), (135, 34518), (170, 34644), (177, 34659), (189, 34734), (223, 34899), (231, 34929),

Gene: Gareth_36 Start: 34691, Stop: 35290, Start Num: 84
Candidate Starts for Gareth_36:
(27, 34487), (34, 34511), (41, 34553), (44, 34571), (47, 34586), (Start: 84 @34691 has 463 MA's), (Start: 92 @34721 has 1 MA's), (95, 34733), (107, 34772), (111, 34787), (122, 34841), (134, 34886), (136, 34892), (138, 34898), (140, 34904), (148, 34949), (149, 34952), (155, 34979), (178, 35039), (181, 35060), (205, 35138),

Gene: Gareth_35 Start: 34044, Stop: 34694, Start Num: 82
Candidate Starts for Gareth_35:
(69, 34008), (Start: 82 @34044 has 112 MA's), (Start: 83 @34047 has 196 MA's), (Start: 105 @34128 has 1 MA's), (136, 34263), (155, 34350), (172, 34395), (186, 34473), (204, 34524), (209, 34551), (211, 34569), (222, 34647), (231, 34680), (235, 34686),

Gene: GeneCoco_37 Start: 35000, Stop: 35599, Start Num: 84
Candidate Starts for GeneCoco_37:
(26, 34793), (27, 34796), (34, 34820), (41, 34862), (44, 34880), (47, 34895), (Start: 84 @35000 has 463 MA's), (Start: 92 @35030 has 1 MA's), (95, 35042), (107, 35081), (111, 35096), (122, 35150), (134, 35195), (136, 35201), (138, 35207), (140, 35213), (148, 35258), (149, 35261), (155, 35288), (178, 35348), (181, 35369), (198, 35432), (205, 35447),

Gene: GeneCoco_36 Start: 34353, Stop: 35003, Start Num: 82
Candidate Starts for GeneCoco_36:
(69, 34317), (Start: 82 @34353 has 112 MA's), (Start: 83 @34356 has 196 MA's), (Start: 105 @34437 has 1 MA's), (136, 34572), (155, 34659), (172, 34704), (185, 34773), (186, 34782), (204, 34833), (211, 34878), (222, 34956), (231, 34989), (235, 34995),

Gene: Gervas_36 Start: 34257, Stop: 34910, Start Num: 78
Candidate Starts for Gervas_36:
(Start: 78 @34257 has 51 MA's), (102, 34338), (107, 34362), (135, 34485), (170, 34611), (177, 34626), (189, 34701), (223, 34866), (224, 34869), (231, 34896),

Gene: Gervas_37 Start: 34907, Stop: 35506, Start Num: 84
Candidate Starts for Gervas_37:
(Start: 84 @34907 has 463 MA's), (Start: 92 @34937 has 1 MA's), (102, 34964), (119, 35051), (122, 35057), (140, 35120), (145, 35144), (148, 35165), (178, 35255), (198, 35339), (203, 35351), (213, 35411), (224, 35471), (229, 35492),

Gene: GinPorsche_32 Start: 33506, Stop: 34153, Start Num: 64
Candidate Starts for GinPorsche_32:
(Start: 64 @33506 has 28 MA's), (94, 33584), (97, 33596), (115, 33668), (124, 33692), (129, 33713), (130, 33722), (131, 33725), (134, 33734), (135, 33737), (146, 33782), (157, 33836), (164, 33854), (181, 33914), (185, 33926), (205, 33986), (209, 34010), (211, 34028), (225, 34115), (233, 34142),

Gene: GinPorsche_33 Start: 34150, Stop: 34755, Start Num: 84
Candidate Starts for GinPorsche_33:
(Start: 84 @34150 has 463 MA's), (Start: 92 @34186 has 1 MA's), (107, 34237), (108, 34240), (119, 34300), (122, 34306), (134, 34351), (137, 34360), (138, 34363), (139, 34366), (145, 34393), (155, 34444), (179, 34510), (181, 34525), (198, 34588), (211, 34645), (225, 34723), (229, 34741),

Gene: Giraffe_37 Start: 34694, Stop: 35293, Start Num: 84
Candidate Starts for Giraffe_37:
(27, 34490), (34, 34514), (41, 34556), (44, 34574), (47, 34589), (Start: 84 @34694 has 463 MA's), (Start: 92 @34724 has 1 MA's), (95, 34736), (107, 34775), (111, 34790), (122, 34844), (134, 34889), (136, 34895), (138, 34901), (140, 34907), (148, 34952), (149, 34955), (155, 34982), (178, 35042), (181, 35063), (205, 35141),

Gene: Giraffe_36 Start: 34050, Stop: 34697, Start Num: 83
Candidate Starts for Giraffe_36:
(69, 34011), (Start: 82 @34047 has 112 MA's), (Start: 83 @34050 has 196 MA's), (Start: 105 @34131 has 1 MA's), (136, 34266), (155, 34353), (172, 34398), (186, 34476), (204, 34527), (209, 34554), (211, 34572), (222, 34650), (231, 34683), (235, 34689),

Gene: Glass_38 Start: 35597, Stop: 36196, Start Num: 84
Candidate Starts for Glass_38:
(Start: 78 @35576 has 51 MA's), (Start: 84 @35597 has 463 MA's), (Start: 92 @35627 has 1 MA's), (98, 35648), (107, 35678), (108, 35681), (122, 35747), (136, 35798), (137, 35801), (138, 35804), (145, 35834), (148, 35855), (171, 35921), (179, 35951), (203, 36041), (205, 36044), (208, 36062), (211, 36086), (222, 36155), (229, 36182),

Gene: Glass_36 Start: 34807, Stop: 35451, Start Num: 79
Candidate Starts for Glass_36:
(32, 34642), (54, 34753), (Start: 79 @34807 has 48 MA's), (Start: 81 @34816 has 1 MA's), (102, 34885), (108, 34912), (110, 34921), (113, 34930), (136, 35038), (140, 35050), (168, 35143), (182, 35209), (186, 35230), (191, 35245), (193, 35251), (200, 35272), (206, 35284), (233, 35440),

Gene: GlenHope_38 Start: 34920, Stop: 35519, Start Num: 84
Candidate Starts for GlenHope_38:
(Start: 84 @34920 has 463 MA's), (Start: 92 @34950 has 1 MA's), (102, 34977), (119, 35064), (122, 35070), (140, 35133), (145, 35157), (148, 35178), (178, 35268), (198, 35352), (203, 35364), (213, 35424), (229, 35505),

Gene: GlenHope_37 Start: 34270, Stop: 34923, Start Num: 78
Candidate Starts for GlenHope_37:
(Start: 78 @34270 has 51 MA's), (102, 34351), (107, 34375), (135, 34498), (170, 34624), (177, 34639), (189, 34714), (223, 34879), (231, 34909),

Gene: Glubnar_38 Start: 34919, Stop: 35518, Start Num: 84
Candidate Starts for Glubnar_38:
(Start: 84 @34919 has 463 MA's), (Start: 92 @34949 has 1 MA's), (102, 34976), (119, 35063), (122, 35069), (140, 35132), (145, 35156), (148, 35177), (178, 35267), (198, 35351), (203, 35363), (213, 35423), (229, 35504),

Gene: Glubnar_37 Start: 34269, Stop: 34922, Start Num: 78
Candidate Starts for Glubnar_37:
(Start: 78 @34269 has 51 MA's), (102, 34350), (135, 34497), (170, 34623), (177, 34638), (189, 34713), (223, 34878), (231, 34908),

Gene: GodPhather_31 Start: 32995, Stop: 33594, Start Num: 84
Candidate Starts for GodPhather_31:
(Start: 84 @32995 has 463 MA's), (Start: 92 @33025 has 1 MA's), (98, 33046), (102, 33052), (119, 33139), (122, 33145), (136, 33196), (140, 33208), (145, 33232), (148, 33253), (152, 33271), (158, 33289), (169, 33316), (209, 33466), (211, 33484), (224, 33559), (229, 33580),

Gene: GodPhather_29 Start: 32201, Stop: 32845, Start Num: 79
Candidate Starts for GodPhather_29:
(Start: 79 @32201 has 48 MA's), (Start: 84 @32219 has 463 MA's), (Start: 92 @32252 has 1 MA's), (101, 32276), (110, 32315), (113, 32324), (123, 32381), (136, 32432), (138, 32438), (140, 32444), (155, 32519), (172, 32546), (182, 32603), (193, 32645), (211, 32720), (221, 32792),

Gene: Godines_36 Start: 34749, Stop: 35393, Start Num: 79
Candidate Starts for Godines_36:
(22, 34548), (Start: 79 @34749 has 48 MA's), (Start: 81 @34758 has 1 MA's), (102, 34827), (108, 34854), (110, 34863), (113, 34872), (136, 34980), (140, 34992), (168, 35085), (182, 35151), (186, 35172), (191, 35187), (193, 35193), (200, 35214), (206, 35226), (233, 35382),

Gene: Godines_38 Start: 35539, Stop: 36138, Start Num: 84
Candidate Starts for Godines_38:
(Start: 78 @35518 has 51 MA's), (Start: 84 @35539 has 463 MA's), (Start: 92 @35569 has 1 MA's), (98, 35590), (107, 35620), (108, 35623), (122, 35689), (136, 35740), (137, 35743), (138, 35746), (145, 35776), (148, 35797), (171, 35863), (179, 35893), (203, 35983), (205, 35986), (208, 36004), (211, 36028), (222, 36097), (229, 36124),

Gene: Gophee_37 Start: 34977, Stop: 35576, Start Num: 84
Candidate Starts for Gophee_37:
(27, 34773), (34, 34797), (41, 34839), (44, 34857), (47, 34872), (Start: 84 @34977 has 463 MA's), (Start: 92 @35007 has 1 MA's), (95, 35019), (107, 35058), (111, 35073), (122, 35127), (134, 35172), (136, 35178), (138, 35184), (140, 35190), (148, 35235), (149, 35238), (155, 35265), (178, 35325), (181, 35346), (205, 35424),

Gene: Gophee_36 Start: 34333, Stop: 34980, Start Num: 83
Candidate Starts for Gophee_36:
(38, 34183), (69, 34294), (Start: 82 @34330 has 112 MA's), (Start: 83 @34333 has 196 MA's), (Start: 105 @34414 has 1 MA's), (136, 34549), (155, 34636), (172, 34681), (186, 34759), (204, 34810), (209, 34837), (211, 34855), (222, 34933), (231, 34966), (235, 34972),

Gene: Grand2040_35 Start: 34062, Stop: 34712, Start Num: 82
Candidate Starts for Grand2040_35:
(69, 34026), (Start: 82 @34062 has 112 MA's), (Start: 83 @34065 has 196 MA's), (Start: 105 @34146 has 1 MA's), (136, 34281), (155, 34368), (172, 34413), (186, 34491), (204, 34542), (209, 34569), (211, 34587), (222, 34665), (231, 34698), (235, 34704),

Gene: Grand2040_36 Start: 34709, Stop: 35308, Start Num: 84
Candidate Starts for Grand2040_36:
(27, 34505), (34, 34529), (41, 34571), (44, 34589), (47, 34604), (Start: 84 @34709 has 463 MA's), (Start: 92 @34739 has 1 MA's), (95, 34751), (107, 34790), (111, 34805), (122, 34859), (134, 34904), (136, 34910), (138, 34916), (140, 34922), (148, 34967), (149, 34970), (155, 34997), (178, 35057), (181, 35078), (205, 35156),

Gene: GreenChile_36 Start: 34341, Stop: 34988, Start Num: 83
Candidate Starts for GreenChile_36:
(38, 34191), (69, 34302), (Start: 82 @34338 has 112 MA's), (Start: 83 @34341 has 196 MA's), (Start: 105 @34422 has 1 MA's), (136, 34557), (155, 34644), (172, 34689), (186, 34767), (204, 34818), (209, 34845), (211, 34863), (222, 34941), (231, 34974), (235, 34980),

Gene: GreenChile_37 Start: 34985, Stop: 35584, Start Num: 84

Candidate Starts for GreenChile_37:
(27, 34781), (34, 34805), (41, 34847), (44, 34865), (47, 34880), (Start: 84 @34985 has 463 MA's), (Start: 92 @35015 has 1 MA's), (95, 35027), (107, 35066), (111, 35081), (122, 35135), (134, 35180), (136, 35186), (138, 35192), (140, 35198), (148, 35243), (149, 35246), (155, 35273), (178, 35333), (181, 35354), (205, 35432),

Gene: Gwennie1_36 Start: 34414, Stop: 35061, Start Num: 83
Candidate Starts for Gwennie1_36:
(69, 34375), (Start: 82 @34411 has 112 MA's), (Start: 83 @34414 has 196 MA's), (Start: 105 @34495 has 1 MA's), (136, 34630), (155, 34717), (172, 34762), (186, 34840), (204, 34891), (209, 34918), (211, 34936), (222, 35014), (231, 35047), (235, 35053),

Gene: Gwennie1_37 Start: 35058, Stop: 35657, Start Num: 84
Candidate Starts for Gwennie1_37:
(26, 34851), (27, 34854), (34, 34878), (41, 34920), (44, 34938), (47, 34953), (Start: 84 @35058 has 463 MA's), (Start: 92 @35088 has 1 MA's), (95, 35100), (107, 35139), (111, 35154), (122, 35208), (134, 35253), (136, 35259), (138, 35265), (140, 35271), (148, 35316), (149, 35319), (155, 35346), (178, 35406), (181, 35427), (198, 35490), (205, 35505),

Gene: Gwilliam_36 Start: 34345, Stop: 34992, Start Num: 83
Candidate Starts for Gwilliam_36:
(69, 34306), (Start: 82 @34342 has 112 MA's), (Start: 83 @34345 has 196 MA's), (Start: 105 @34426 has 1 MA's), (136, 34561), (155, 34648), (172, 34693), (186, 34771), (204, 34822), (209, 34849), (211, 34867), (222, 34945), (231, 34978), (235, 34984),

Gene: Gwilliam_37 Start: 34989, Stop: 35588, Start Num: 84
Candidate Starts for Gwilliam_37:
(26, 34782), (27, 34785), (34, 34809), (41, 34851), (44, 34869), (47, 34884), (Start: 84 @34989 has 463 MA's), (Start: 92 @35019 has 1 MA's), (95, 35031), (107, 35070), (111, 35085), (122, 35139), (134, 35184), (136, 35190), (138, 35196), (140, 35202), (148, 35247), (149, 35250), (155, 35277), (178, 35337), (181, 35358), (205, 35436),

Gene: Gyarad_0036 Start: 34344, Stop: 34994, Start Num: 82
Candidate Starts for Gyarad_0036:
(69, 34308), (Start: 82 @34344 has 112 MA's), (Start: 83 @34347 has 196 MA's), (Start: 105 @34428 has 1 MA's), (136, 34563), (155, 34650), (172, 34695), (186, 34773), (204, 34824), (209, 34851), (211, 34869), (222, 34947), (231, 34980), (235, 34986),

Gene: Gyarad_0037 Start: 34991, Stop: 35590, Start Num: 84
Candidate Starts for Gyarad_0037:
(26, 34784), (27, 34787), (34, 34811), (41, 34853), (44, 34871), (47, 34886), (Start: 84 @34991 has 463 MA's), (Start: 92 @35021 has 1 MA's), (95, 35033), (107, 35072), (111, 35087), (122, 35141), (134, 35186), (136, 35192), (138, 35198), (140, 35204), (148, 35249), (149, 35252), (155, 35279), (178, 35339), (181, 35360), (205, 35438),

Gene: HSavage_36 Start: 34351, Stop: 34998, Start Num: 83
Candidate Starts for HSavage_36:
(38, 34201), (69, 34312), (Start: 82 @34348 has 112 MA's), (Start: 83 @34351 has 196 MA's), (Start: 105 @34432 has 1 MA's), (136, 34567), (155, 34654), (172, 34699), (186, 34777), (204, 34828), (209, 34855), (211, 34873), (222, 34951), (231, 34984), (235, 34990),

Gene: HSavage_37 Start: 34995, Stop: 35594, Start Num: 84
Candidate Starts for HSavage_37:

(27, 34791), (34, 34815), (41, 34857), (44, 34875), (47, 34890), (Start: 84 @34995 has 463 MA's), (Start: 92 @35025 has 1 MA's), (95, 35037), (107, 35076), (111, 35091), (122, 35145), (134, 35190), (136, 35196), (138, 35202), (140, 35208), (148, 35253), (149, 35256), (155, 35283), (178, 35343), (181, 35364), (205, 35442),

Gene: Haimas_37 Start: 34986, Stop: 35585, Start Num: 84
Candidate Starts for Haimas_37:
(27, 34782), (34, 34806), (41, 34848), (44, 34866), (47, 34881), (Start: 84 @34986 has 463 MA's), (Start: 92 @35016 has 1 MA's), (95, 35028), (107, 35067), (111, 35082), (122, 35136), (134, 35181), (136, 35187), (138, 35193), (140, 35199), (148, 35244), (149, 35247), (155, 35274), (178, 35334), (181, 35355), (205, 35433),

Gene: Haimas_36 Start: 34339, Stop: 34989, Start Num: 82
Candidate Starts for Haimas_36:
(69, 34303), (Start: 82 @34339 has 112 MA's), (Start: 83 @34342 has 196 MA's), (Start: 105 @34423 has 1 MA's), (136, 34558), (155, 34645), (172, 34690), (186, 34768), (204, 34819), (209, 34846), (211, 34864), (222, 34942), (231, 34975), (235, 34981),

Gene: Haleema_36 Start: 34709, Stop: 35308, Start Num: 84
Candidate Starts for Haleema_36:
(27, 34505), (34, 34529), (41, 34571), (44, 34589), (47, 34604), (Start: 84 @34709 has 463 MA's), (Start: 92 @34739 has 1 MA's), (95, 34751), (107, 34790), (111, 34805), (122, 34859), (134, 34904), (136, 34910), (138, 34916), (140, 34922), (148, 34967), (149, 34970), (155, 34997), (178, 35057), (181, 35078), (205, 35156),

Gene: Haleema_35 Start: 34065, Stop: 34712, Start Num: 83
Candidate Starts for Haleema_35:
(69, 34026), (Start: 82 @34062 has 112 MA's), (Start: 83 @34065 has 196 MA's), (Start: 105 @34146 has 1 MA's), (136, 34281), (155, 34368), (172, 34413), (186, 34491), (204, 34542), (209, 34569), (211, 34587), (222, 34665), (231, 34698), (235, 34704),

Gene: Halfpint_36 Start: 34746, Stop: 35345, Start Num: 84
Candidate Starts for Halfpint_36:
(Start: 84 @34746 has 463 MA's), (Start: 92 @34776 has 1 MA's), (102, 34803), (119, 34890), (122, 34896), (140, 34959), (145, 34983), (178, 35094), (198, 35178), (203, 35190), (213, 35250), (229, 35331),

Gene: Halfpint_35 Start: 34096, Stop: 34749, Start Num: 78
Candidate Starts for Halfpint_35:
(Start: 78 @34096 has 51 MA's), (102, 34177), (135, 34324), (170, 34450), (177, 34465), (189, 34540), (223, 34705), (224, 34708), (231, 34735),

Gene: Hally898_33 Start: 34162, Stop: 34767, Start Num: 84
Candidate Starts for Hally898_33:
(Start: 84 @34162 has 463 MA's), (Start: 92 @34198 has 1 MA's), (107, 34249), (108, 34252), (119, 34312), (122, 34318), (134, 34363), (137, 34372), (138, 34375), (139, 34378), (145, 34405), (155, 34456), (179, 34522), (181, 34537), (198, 34600), (211, 34657), (225, 34735), (229, 34753),

Gene: Hally898_32 Start: 33518, Stop: 34165, Start Num: 64
Candidate Starts for Hally898_32:
(Start: 64 @33518 has 28 MA's), (94, 33596), (97, 33608), (115, 33680), (124, 33704), (129, 33725), (130, 33734), (131, 33737), (134, 33746), (135, 33749), (146, 33794), (157, 33848), (164, 33866), (181, 33926), (185, 33938), (205, 33998), (209, 34022), (211, 34040), (225, 34127), (233, 34154),

Gene: Hamish_36 Start: 34334, Stop: 34981, Start Num: 83
Candidate Starts for Hamish_36:
(69, 34295), (Start: 82 @34331 has 112 MA's), (Start: 83 @34334 has 196 MA's), (Start: 105 @34415 has 1 MA's), (136, 34550), (155, 34637), (172, 34682), (186, 34760), (204, 34811), (209, 34838), (211, 34856), (222, 34934), (231, 34967), (235, 34973),

Gene: Hamish_37 Start: 34978, Stop: 35577, Start Num: 84
Candidate Starts for Hamish_37:
(27, 34774), (34, 34798), (41, 34840), (44, 34858), (47, 34873), (Start: 84 @34978 has 463 MA's), (Start: 92 @35008 has 1 MA's), (95, 35020), (107, 35059), (111, 35074), (122, 35128), (134, 35173), (136, 35179), (138, 35185), (140, 35191), (148, 35236), (149, 35239), (155, 35266), (178, 35326), (181, 35347), (205, 35425),

Gene: Hangman_33 Start: 34529, Stop: 35176, Start Num: 64
Candidate Starts for Hangman_33:
(Start: 64 @34529 has 28 MA's), (94, 34607), (97, 34619), (115, 34691), (124, 34715), (129, 34736), (130, 34745), (131, 34748), (134, 34757), (146, 34805), (164, 34877), (181, 34937), (185, 34949), (205, 35009), (209, 35033), (211, 35051), (225, 35138), (226, 35141), (233, 35165),

Gene: Hangman_34 Start: 35173, Stop: 35778, Start Num: 84
Candidate Starts for Hangman_34:
(1, 34600), (5, 34717), (8, 34771), (10, 34780), (20, 34903), (28, 34972), (35, 34996), (45, 35053), (Start: 84 @35173 has 463 MA's), (Start: 92 @35209 has 1 MA's), (102, 35236), (107, 35260), (108, 35263), (119, 35323), (122, 35329), (134, 35374), (137, 35383), (138, 35386), (139, 35389), (145, 35416), (148, 35437), (155, 35467), (181, 35548), (198, 35611), (211, 35668), (225, 35746), (229, 35764),

Gene: Happabalu_37 Start: 34707, Stop: 35306, Start Num: 84
Candidate Starts for Happabalu_37:
(26, 34500), (27, 34503), (34, 34527), (41, 34569), (44, 34587), (47, 34602), (Start: 84 @34707 has 463 MA's), (Start: 92 @34737 has 1 MA's), (95, 34749), (107, 34788), (111, 34803), (122, 34857), (134, 34902), (136, 34908), (138, 34914), (140, 34920), (148, 34965), (149, 34968), (155, 34995), (181, 35076), (198, 35139), (205, 35154),

Gene: Happabalu_36 Start: 34063, Stop: 34710, Start Num: 83
Candidate Starts for Happabalu_36:
(69, 34024), (Start: 82 @34060 has 112 MA's), (Start: 83 @34063 has 196 MA's), (Start: 105 @34144 has 1 MA's), (136, 34279), (155, 34366), (172, 34411), (186, 34489), (204, 34540), (209, 34567), (211, 34585), (222, 34663), (231, 34696), (235, 34702),

Gene: Hartsy_36 Start: 34385, Stop: 35032, Start Num: 83
Candidate Starts for Hartsy_36:
(69, 34346), (Start: 82 @34382 has 112 MA's), (Start: 83 @34385 has 196 MA's), (Start: 105 @34466 has 1 MA's), (136, 34601), (155, 34688), (172, 34733), (185, 34802), (186, 34811), (204, 34862), (211, 34907), (222, 34985), (231, 35018), (235, 35024),

Gene: Hartsy_37 Start: 35029, Stop: 35628, Start Num: 84
Candidate Starts for Hartsy_37:
(26, 34822), (27, 34825), (34, 34849), (41, 34891), (44, 34909), (47, 34924), (Start: 84 @35029 has 463 MA's), (Start: 92 @35059 has 1 MA's), (95, 35071), (107, 35110), (111, 35125), (122, 35179), (134, 35224), (136, 35230), (138, 35236), (140, 35242), (148, 35287), (149, 35290), (155, 35317), (178, 35377), (181, 35398), (198, 35461), (205, 35476),

Gene: Harvey_37 Start: 35004, Stop: 35603, Start Num: 84
Candidate Starts for Harvey_37:
(27, 34800), (34, 34824), (41, 34866), (44, 34884), (47, 34899), (Start: 84 @35004 has 463 MA's), (Start: 92 @35034 has 1 MA's), (95, 35046), (107, 35085), (111, 35100), (122, 35154), (134, 35199), (136, 35205), (138, 35211), (140, 35217), (148, 35262), (149, 35265), (155, 35292), (178, 35352), (181, 35373), (205, 35451),

Gene: Harvey_36 Start: 34357, Stop: 35007, Start Num: 82
Candidate Starts for Harvey_36:
(69, 34321), (Start: 82 @34357 has 112 MA's), (Start: 83 @34360 has 196 MA's), (Start: 105 @34441 has 1 MA's), (136, 34576), (155, 34663), (172, 34708), (186, 34786), (204, 34837), (209, 34864), (211, 34882), (222, 34960), (231, 34993), (235, 34999),

Gene: HarveySr_36 Start: 34263, Stop: 34916, Start Num: 78
Candidate Starts for HarveySr_36:
(Start: 78 @34263 has 51 MA's), (102, 34344), (135, 34491), (170, 34617), (177, 34632), (189, 34707), (223, 34872), (231, 34902),

Gene: HarveySr_37 Start: 34913, Stop: 35512, Start Num: 84
Candidate Starts for HarveySr_37:
(26, 34709), (Start: 84 @34913 has 463 MA's), (Start: 92 @34943 has 1 MA's), (102, 34970), (119, 35057), (122, 35063), (140, 35126), (145, 35150), (178, 35261), (198, 35345), (203, 35357), (213, 35417), (229, 35498),

Gene: Hashim76_39 Start: 33766, Stop: 34410, Start Num: 82
Candidate Starts for Hashim76_39:
(49, 33676), (57, 33700), (62, 33718), (Start: 64 @33724 has 28 MA's), (Start: 82 @33766 has 112 MA's), (109, 33859), (112, 33871), (127, 33946), (145, 34018), (148, 34039), (160, 34090), (182, 34171), (226, 34375), (233, 34399),

Gene: Hashim76_40 Start: 34407, Stop: 35015, Start Num: 84
Candidate Starts for Hashim76_40:
(4, 33951), (27, 34206), (34, 34230), (59, 34353), (Start: 84 @34407 has 463 MA's), (Start: 88 @34413 has 2 MA's), (Start: 92 @34437 has 1 MA's), (119, 34551), (122, 34557), (138, 34614), (181, 34776), (203, 34851), (207, 34863), (216, 34941), (225, 34983),

Gene: Heath_33 Start: 34780, Stop: 35385, Start Num: 84
Candidate Starts for Heath_33:
(Start: 84 @34780 has 463 MA's), (Start: 92 @34816 has 1 MA's), (107, 34867), (108, 34870), (119, 34930), (122, 34936), (134, 34981), (137, 34990), (138, 34993), (139, 34996), (145, 35023), (148, 35044), (155, 35074), (179, 35140), (181, 35155), (198, 35218), (211, 35275), (225, 35353), (229, 35371),

Gene: Heath_32 Start: 34136, Stop: 34783, Start Num: 64
Candidate Starts for Heath_32:
(Start: 64 @34136 has 28 MA's), (94, 34214), (97, 34226), (115, 34298), (129, 34343), (130, 34352), (131, 34355), (134, 34364), (135, 34367), (146, 34412), (164, 34484), (181, 34544), (185, 34556), (205, 34616), (209, 34640), (211, 34658), (225, 34745), (226, 34748), (233, 34772),

Gene: Heathcliff_36 Start: 34241, Stop: 34894, Start Num: 78
Candidate Starts for Heathcliff_36:

(Start: 78 @34241 has 51 MA's), (102, 34322), (107, 34346), (135, 34469), (170, 34595), (177, 34610), (189, 34685), (223, 34850), (224, 34853), (231, 34880),

Gene: Heathcliff_37 Start: 34891, Stop: 35490, Start Num: 84
Candidate Starts for Heathcliff_37:
(Start: 84 @34891 has 463 MA's), (Start: 92 @34921 has 1 MA's), (102, 34948), (119, 35035), (122, 35041), (140, 35104), (145, 35128), (148, 35149), (178, 35239), (198, 35323), (203, 35335), (213, 35395), (229, 35476),

Gene: Hedgerow_36 Start: 34789, Stop: 35433, Start Num: 79
Candidate Starts for Hedgerow_36:
(32, 34624), (54, 34735), (Start: 79 @34789 has 48 MA's), (Start: 81 @34798 has 1 MA's), (102, 34867), (108, 34894), (110, 34903), (113, 34912), (136, 35020), (140, 35032), (168, 35125), (182, 35191), (186, 35212), (191, 35227), (193, 35233), (200, 35254), (206, 35266), (233, 35422),

Gene: Hedgerow_38 Start: 35579, Stop: 36178, Start Num: 84
Candidate Starts for Hedgerow_38:
(Start: 78 @35558 has 51 MA's), (Start: 84 @35579 has 463 MA's), (Start: 92 @35609 has 1 MA's), (98, 35630), (107, 35660), (108, 35663), (122, 35729), (136, 35780), (137, 35783), (138, 35786), (145, 35816), (148, 35837), (171, 35903), (179, 35933), (203, 36023), (205, 36026), (208, 36044), (211, 36068), (222, 36137), (229, 36164),

Gene: Hekos_33 Start: 32914, Stop: 33561, Start Num: 83
Candidate Starts for Hekos_33:
(69, 32875), (Start: 82 @32911 has 112 MA's), (Start: 83 @32914 has 196 MA's), (Start: 105 @32995 has 1 MA's), (136, 33130), (155, 33217), (172, 33262), (185, 33331), (186, 33340), (204, 33391), (211, 33436), (222, 33514), (231, 33547), (235, 33553),

Gene: Hekos_34 Start: 33558, Stop: 34157, Start Num: 84
Candidate Starts for Hekos_34:
(26, 33351), (27, 33354), (34, 33378), (41, 33420), (44, 33438), (47, 33453), (Start: 84 @33558 has 463 MA's), (Start: 92 @33588 has 1 MA's), (95, 33600), (107, 33639), (111, 33654), (122, 33708), (134, 33753), (136, 33759), (138, 33765), (140, 33771), (148, 33816), (149, 33819), (155, 33846), (178, 33906), (181, 33927), (198, 33990), (205, 34005),

Gene: Held_37 Start: 34693, Stop: 35292, Start Num: 84
Candidate Starts for Held_37:
(26, 34486), (27, 34489), (34, 34513), (41, 34555), (44, 34573), (47, 34588), (Start: 84 @34693 has 463 MA's), (Start: 92 @34723 has 1 MA's), (95, 34735), (107, 34774), (111, 34789), (122, 34843), (134, 34888), (136, 34894), (138, 34900), (140, 34906), (148, 34951), (149, 34954), (155, 34981), (178, 35041), (181, 35062), (205, 35140),

Gene: Held_36 Start: 34046, Stop: 34696, Start Num: 82
Candidate Starts for Held_36:
(69, 34010), (Start: 82 @34046 has 112 MA's), (Start: 83 @34049 has 196 MA's), (Start: 105 @34130 has 1 MA's), (136, 34265), (155, 34352), (172, 34397), (186, 34475), (204, 34526), (209, 34553), (211, 34571), (222, 34649), (231, 34682), (235, 34688),

Gene: HenryJackson_35 Start: 34065, Stop: 34712, Start Num: 83
Candidate Starts for HenryJackson_35:
(38, 33915), (69, 34026), (Start: 82 @34062 has 112 MA's), (Start: 83 @34065 has 196 MA's), (Start: 105 @34146 has 1 MA's), (136, 34281), (155, 34368), (172, 34413), (186, 34491), (204, 34542), (209, 34569), (211, 34587), (222, 34665), (231, 34698), (235, 34704),

Gene: HenryJackson_36 Start: 34709, Stop: 35308, Start Num: 84
Candidate Starts for HenryJackson_36:
(27, 34505), (34, 34529), (41, 34571), (44, 34589), (47, 34604), (Start: 84 @34709 has 463 MA's), (Start: 92 @34739 has 1 MA's), (95, 34751), (107, 34790), (111, 34805), (122, 34859), (134, 34904), (136, 34910), (138, 34916), (140, 34922), (148, 34967), (149, 34970), (155, 34997), (178, 35057), (181, 35078), (205, 35156),

Gene: Hertubise_36 Start: 34353, Stop: 35003, Start Num: 82
Candidate Starts for Hertubise_36:
(69, 34317), (Start: 82 @34353 has 112 MA's), (Start: 83 @34356 has 196 MA's), (Start: 105 @34437 has 1 MA's), (136, 34572), (155, 34659), (172, 34704), (186, 34782), (204, 34833), (209, 34860), (211, 34878), (222, 34956), (231, 34989), (235, 34995),

Gene: Hertubise_37 Start: 35000, Stop: 35599, Start Num: 84
Candidate Starts for Hertubise_37:
(27, 34796), (34, 34820), (41, 34862), (44, 34880), (47, 34895), (Start: 84 @35000 has 463 MA's), (Start: 92 @35030 has 1 MA's), (95, 35042), (107, 35081), (111, 35096), (122, 35150), (134, 35195), (136, 35201), (138, 35207), (140, 35213), (148, 35258), (149, 35261), (155, 35288), (178, 35348), (181, 35369), (205, 35447),

Gene: Hetaeria_37 Start: 35002, Stop: 35601, Start Num: 84
Candidate Starts for Hetaeria_37:
(27, 34798), (34, 34822), (41, 34864), (44, 34882), (47, 34897), (Start: 84 @35002 has 463 MA's), (Start: 92 @35032 has 1 MA's), (95, 35044), (107, 35083), (111, 35098), (122, 35152), (134, 35197), (136, 35203), (138, 35209), (140, 35215), (148, 35260), (149, 35263), (155, 35290), (178, 35350), (181, 35371), (205, 35449),

Gene: Hetaeria_36 Start: 34358, Stop: 35005, Start Num: 83
Candidate Starts for Hetaeria_36:
(69, 34319), (Start: 82 @34355 has 112 MA's), (Start: 83 @34358 has 196 MA's), (Start: 105 @34439 has 1 MA's), (136, 34574), (155, 34661), (172, 34706), (186, 34784), (204, 34835), (209, 34862), (211, 34880), (222, 34958), (231, 34991), (235, 34997),

Gene: HighStump_35 Start: 34048, Stop: 34695, Start Num: 83
Candidate Starts for HighStump_35:
(69, 34009), (Start: 82 @34045 has 112 MA's), (Start: 83 @34048 has 196 MA's), (Start: 105 @34129 has 1 MA's), (136, 34264), (155, 34351), (172, 34396), (186, 34474), (204, 34525), (209, 34552), (211, 34570), (222, 34648), (231, 34681), (235, 34687),

Gene: HighStump_36 Start: 34692, Stop: 35291, Start Num: 84
Candidate Starts for HighStump_36:
(27, 34488), (34, 34512), (41, 34554), (44, 34572), (47, 34587), (Start: 84 @34692 has 463 MA's), (Start: 92 @34722 has 1 MA's), (95, 34734), (107, 34773), (111, 34788), (122, 34842), (134, 34887), (136, 34893), (138, 34899), (140, 34905), (148, 34950), (149, 34953), (155, 34980), (178, 35040), (181, 35061), (205, 35139),

Gene: Hocus_36 Start: 34701, Stop: 35300, Start Num: 84
Candidate Starts for Hocus_36:
(26, 34494), (27, 34497), (34, 34521), (41, 34563), (44, 34581), (47, 34596), (Start: 84 @34701 has 463 MA's), (Start: 92 @34731 has 1 MA's), (95, 34743), (107, 34782), (111, 34797), (122, 34851), (134, 34896), (136, 34902), (138, 34908), (140, 34914), (148, 34959), (149, 34962), (155, 34989), (178, 35049), (181, 35070), (198, 35133), (205, 35148),

Gene: Hocus_35 Start: 34054, Stop: 34704, Start Num: 82
Candidate Starts for Hocus_35:
(69, 34018), (Start: 82 @34054 has 112 MA's), (Start: 83 @34057 has 196 MA's), (Start: 105 @34138 has 1 MA's), (136, 34273), (155, 34360), (172, 34405), (185, 34474), (186, 34483), (204, 34534), (211, 34579), (222, 34657), (231, 34690), (235, 34696),

Gene: HogWash_35 Start: 34354, Stop: 35001, Start Num: 83
Candidate Starts for HogWash_35:
(69, 34315), (Start: 82 @34351 has 112 MA's), (Start: 83 @34354 has 196 MA's), (Start: 105 @34435 has 1 MA's), (136, 34570), (155, 34657), (172, 34702), (185, 34771), (186, 34780), (204, 34831), (211, 34876), (222, 34954), (231, 34987), (235, 34993),

Gene: HogWash_36 Start: 34998, Stop: 35597, Start Num: 84
Candidate Starts for HogWash_36:
(26, 34791), (27, 34794), (34, 34818), (41, 34860), (44, 34878), (47, 34893), (Start: 84 @34998 has 463 MA's), (Start: 92 @35028 has 1 MA's), (95, 35040), (107, 35079), (111, 35094), (122, 35148), (134, 35193), (136, 35199), (138, 35205), (140, 35211), (148, 35256), (149, 35259), (155, 35286), (181, 35367), (198, 35430), (205, 35445),

Gene: Holeinone_38 Start: 35459, Stop: 36058, Start Num: 84
Candidate Starts for Holeinone_38:
(Start: 78 @35438 has 51 MA's), (Start: 84 @35459 has 463 MA's), (Start: 92 @35489 has 1 MA's), (98, 35510), (107, 35540), (108, 35543), (122, 35609), (136, 35660), (137, 35663), (138, 35666), (145, 35696), (148, 35717), (171, 35783), (179, 35813), (203, 35903), (205, 35906), (208, 35924), (211, 35948), (222, 36017), (229, 36044),

Gene: Holeinone_36 Start: 34669, Stop: 35313, Start Num: 79
Candidate Starts for Holeinone_36:
(32, 34504), (54, 34615), (Start: 79 @34669 has 48 MA's), (Start: 81 @34678 has 1 MA's), (102, 34747), (108, 34774), (110, 34783), (113, 34792), (132, 34888), (136, 34900), (140, 34912), (168, 35005), (182, 35071), (186, 35092), (191, 35107), (193, 35113), (200, 35134), (206, 35146), (233, 35302),

Gene: Horchata_37 Start: 34980, Stop: 35579, Start Num: 84
Candidate Starts for Horchata_37:
(27, 34776), (34, 34800), (41, 34842), (44, 34860), (47, 34875), (Start: 84 @34980 has 463 MA's), (Start: 92 @35010 has 1 MA's), (95, 35022), (107, 35061), (111, 35076), (122, 35130), (134, 35175), (136, 35181), (138, 35187), (140, 35193), (148, 35238), (149, 35241), (155, 35268), (178, 35328), (181, 35349), (205, 35427),

Gene: Horchata_36 Start: 34336, Stop: 34983, Start Num: 83
Candidate Starts for Horchata_36:
(38, 34186), (69, 34297), (Start: 82 @34333 has 112 MA's), (Start: 83 @34336 has 196 MA's), (Start: 105 @34417 has 1 MA's), (136, 34552), (155, 34639), (172, 34684), (186, 34762), (204, 34813), (209, 34840), (211, 34858), (222, 34936), (231, 34969), (235, 34975),

Gene: Hosp_029 Start: 30909, Stop: 31517, Start Num: 84
Candidate Starts for Hosp_029:
(14, 30555), (27, 30708), (34, 30732), (59, 30855), (Start: 84 @30909 has 463 MA's), (119, 31053), (122, 31059), (136, 31110), (139, 31119), (140, 31122), (148, 31167), (154, 31194), (169, 31230), (173, 31236), (178, 31257), (207, 31365), (216, 31443), (225, 31485), (229, 31503),

Gene: Hosp_028 Start: 30268, Stop: 30912, Start Num: 82
Candidate Starts for Hosp_028:
(Start: 82 @30268 has 112 MA's), (104, 30343), (108, 30355), (127, 30445), (139, 30490), (167, 30604), (172, 30616), (178, 30640), (180, 30658), (182, 30673), (194, 30721), (233, 30901),

Gene: Hydro_33 Start: 34546, Stop: 35193, Start Num: 64
Candidate Starts for Hydro_33:
(Start: 64 @34546 has 28 MA's), (94, 34624), (97, 34636), (115, 34708), (130, 34762), (131, 34765), (134, 34774), (146, 34822), (157, 34876), (164, 34894), (181, 34954), (185, 34966), (209, 35050), (211, 35068), (225, 35155), (226, 35158), (233, 35182),

Gene: Hydro_34 Start: 35190, Stop: 35795, Start Num: 84
Candidate Starts for Hydro_34:
(Start: 84 @35190 has 463 MA's), (Start: 92 @35226 has 1 MA's), (102, 35253), (107, 35277), (108, 35280), (119, 35340), (122, 35346), (134, 35391), (137, 35400), (138, 35403), (139, 35406), (145, 35433), (148, 35454), (155, 35484), (179, 35550), (181, 35565), (198, 35628), (211, 35685), (225, 35763), (229, 35781),

Gene: ImtiyazSitla_36 Start: 34543, Stop: 35142, Start Num: 84
Candidate Starts for ImtiyazSitla_36:
(26, 34336), (27, 34339), (34, 34363), (41, 34405), (44, 34423), (47, 34438), (Start: 84 @34543 has 463 MA's), (Start: 92 @34573 has 1 MA's), (95, 34585), (107, 34624), (111, 34639), (122, 34693), (134, 34738), (136, 34744), (138, 34750), (140, 34756), (148, 34801), (149, 34804), (155, 34831), (178, 34891), (181, 34912), (198, 34975), (205, 34990),

Gene: ImtiyazSitla_35 Start: 33899, Stop: 34546, Start Num: 83
Candidate Starts for ImtiyazSitla_35:
(69, 33860), (Start: 82 @33896 has 112 MA's), (Start: 83 @33899 has 196 MA's), (Start: 105 @33980 has 1 MA's), (136, 34115), (155, 34202), (172, 34247), (185, 34316), (186, 34325), (204, 34376), (211, 34421), (222, 34499), (231, 34532), (235, 34538),

Gene: Imvubu_29 Start: 31242, Stop: 31886, Start Num: 82
Candidate Starts for Imvubu_29:
(Start: 82 @31242 has 112 MA's), (109, 31332), (110, 31338), (127, 31419), (129, 31428), (132, 31443), (135, 31452), (136, 31455), (138, 31461), (172, 31590), (182, 31647), (211, 31761), (225, 31848), (233, 31875),

Gene: Imvubu_30 Start: 31883, Stop: 32482, Start Num: 84
Candidate Starts for Imvubu_30:
(59, 31829), (Start: 84 @31883 has 463 MA's), (Start: 88 @31889 has 2 MA's), (Start: 92 @31913 has 1 MA's), (95, 31925), (102, 31940), (119, 32027), (122, 32033), (142, 32114), (145, 32120), (148, 32141), (198, 32315), (203, 32327), (205, 32330), (211, 32372), (216, 32417), (217, 32420), (227, 32465), (229, 32471),

Gene: Inchworm_37 Start: 34978, Stop: 35577, Start Num: 84
Candidate Starts for Inchworm_37:
(27, 34774), (34, 34798), (41, 34840), (44, 34858), (47, 34873), (Start: 84 @34978 has 463 MA's), (Start: 92 @35008 has 1 MA's), (95, 35020), (107, 35059), (111, 35074), (122, 35128), (134, 35173), (136, 35179), (138, 35185), (140, 35191), (148, 35236), (149, 35239), (155, 35266), (178, 35326), (181, 35347), (198, 35410), (205, 35425),

Gene: Inchworm_36 Start: 34334, Stop: 34981, Start Num: 83
Candidate Starts for Inchworm_36:

(69, 34295), (Start: 82 @34331 has 112 MA's), (Start: 83 @34334 has 196 MA's), (Start: 105 @34415 has 1 MA's), (136, 34550), (155, 34637), (172, 34682), (186, 34760), (204, 34811), (209, 34838), (211, 34856), (222, 34934), (231, 34967), (235, 34973),

Gene: Indlovu_34 Start: 33760, Stop: 34392, Start Num: 88
Candidate Starts for Indlovu_34:
(73, 33715), (Start: 82 @33745 has 112 MA's), (Start: 88 @33760 has 2 MA's), (104, 33823), (107, 33832), (109, 33838), (111, 33847), (120, 33904), (136, 33961), (148, 34018), (182, 34153), (208, 34243), (224, 34351),

Gene: Indlovu_35 Start: 34389, Stop: 35000, Start Num: 84
Candidate Starts for Indlovu_35:
(73, 34353), (Start: 84 @34389 has 463 MA's), (Start: 92 @34419 has 1 MA's), (107, 34470), (119, 34533), (122, 34539), (138, 34596), (160, 34692), (169, 34710), (198, 34821), (205, 34836), (215, 34902), (229, 34983), (232, 34989),

Gene: Inverness_36 Start: 34348, Stop: 34995, Start Num: 83
Candidate Starts for Inverness_36:
(69, 34309), (Start: 82 @34345 has 112 MA's), (Start: 83 @34348 has 196 MA's), (Start: 105 @34429 has 1 MA's), (136, 34564), (155, 34651), (172, 34696), (186, 34774), (204, 34825), (209, 34852), (211, 34870), (222, 34948), (231, 34981), (235, 34987),

Gene: Inverness_37 Start: 34992, Stop: 35591, Start Num: 84
Candidate Starts for Inverness_37:
(26, 34785), (27, 34788), (34, 34812), (41, 34854), (44, 34872), (47, 34887), (Start: 84 @34992 has 463 MA's), (Start: 92 @35022 has 1 MA's), (95, 35034), (107, 35073), (111, 35088), (122, 35142), (134, 35187), (136, 35193), (138, 35199), (140, 35205), (148, 35250), (149, 35253), (155, 35280), (178, 35340), (181, 35361), (205, 35439),

Gene: Iridessa_37 Start: 34694, Stop: 35293, Start Num: 84
Candidate Starts for Iridessa_37:
(26, 34487), (27, 34490), (34, 34514), (41, 34556), (44, 34574), (47, 34589), (Start: 84 @34694 has 463 MA's), (Start: 92 @34724 has 1 MA's), (95, 34736), (107, 34775), (111, 34790), (122, 34844), (134, 34889), (136, 34895), (138, 34901), (140, 34907), (148, 34952), (149, 34955), (155, 34982), (178, 35042), (181, 35063), (198, 35126), (205, 35141),

Gene: Iridessa_36 Start: 34050, Stop: 34697, Start Num: 83
Candidate Starts for Iridessa_36:
(38, 33900), (69, 34011), (Start: 82 @34047 has 112 MA's), (Start: 83 @34050 has 196 MA's), (Start: 105 @34131 has 1 MA's), (136, 34266), (155, 34353), (172, 34398), (185, 34467), (186, 34476), (204, 34527), (211, 34572), (222, 34650), (231, 34683), (235, 34689),

Gene: Iridoclysis_36 Start: 34328, Stop: 34975, Start Num: 83
Candidate Starts for Iridoclysis_36:
(69, 34289), (Start: 82 @34325 has 112 MA's), (Start: 83 @34328 has 196 MA's), (Start: 105 @34409 has 1 MA's), (136, 34544), (155, 34631), (172, 34676), (186, 34754), (204, 34805), (209, 34832), (211, 34850), (222, 34928), (231, 34961), (235, 34967),

Gene: Iridoclysis_37 Start: 34972, Stop: 35571, Start Num: 84
Candidate Starts for Iridoclysis_37:
(27, 34768), (34, 34792), (41, 34834), (44, 34852), (47, 34867), (Start: 84 @34972 has 463 MA's), (Start: 92 @35002 has 1 MA's), (95, 35014), (107, 35053), (111, 35068), (122, 35122), (134, 35167), (136, 35173), (138, 35179), (140, 35185), (148, 35230), (149, 35233), (155, 35260), (178, 35320),

(181, 35341), (205, 35419),

Gene: IsaacEli_37 Start: 34996, Stop: 35595, Start Num: 84
Candidate Starts for IsaacEli_37:
(27, 34792), (34, 34816), (41, 34858), (44, 34876), (47, 34891), (Start: 84 @34996 has 463 MA's), (Start: 92 @35026 has 1 MA's), (95, 35038), (107, 35077), (111, 35092), (122, 35146), (134, 35191), (136, 35197), (138, 35203), (140, 35209), (148, 35254), (149, 35257), (155, 35284), (178, 35344), (181, 35365), (205, 35443),

Gene: IsaacEli_36 Start: 34349, Stop: 34999, Start Num: 82
Candidate Starts for IsaacEli_36:
(69, 34313), (Start: 82 @34349 has 112 MA's), (Start: 83 @34352 has 196 MA's), (Start: 105 @34433 has 1 MA's), (136, 34568), (155, 34655), (172, 34700), (186, 34778), (204, 34829), (209, 34856), (211, 34874), (222, 34952), (231, 34985), (235, 34991),

Gene: ItsyBitsy1_38 Start: 35461, Stop: 36060, Start Num: 84
Candidate Starts for ItsyBitsy1_38:
(Start: 78 @35440 has 51 MA's), (Start: 84 @35461 has 463 MA's), (Start: 92 @35491 has 1 MA's), (98, 35512), (107, 35542), (108, 35545), (122, 35611), (136, 35662), (137, 35665), (138, 35668), (145, 35698), (148, 35719), (171, 35785), (179, 35815), (203, 35905), (205, 35908), (208, 35926), (211, 35950), (222, 36019), (229, 36046),

Gene: ItsyBitsy1_36 Start: 34671, Stop: 35315, Start Num: 79
Candidate Starts for ItsyBitsy1_36:
(32, 34506), (54, 34617), (Start: 79 @34671 has 48 MA's), (Start: 81 @34680 has 1 MA's), (102, 34749), (108, 34776), (110, 34785), (113, 34794), (136, 34902), (140, 34914), (168, 35007), (182, 35073), (186, 35094), (191, 35109), (193, 35115), (200, 35136), (206, 35148), (233, 35304),

Gene: JAMaL_33 Start: 34717, Stop: 35364, Start Num: 64
Candidate Starts for JAMaL_33:
(Start: 64 @34717 has 28 MA's), (94, 34795), (97, 34807), (115, 34879), (124, 34903), (129, 34924), (130, 34933), (131, 34936), (134, 34945), (135, 34948), (146, 34993), (157, 35047), (164, 35065), (181, 35125), (185, 35137), (205, 35197), (208, 35215), (209, 35221), (211, 35239), (225, 35326), (233, 35353),

Gene: JAMaL_34 Start: 35361, Stop: 35966, Start Num: 84
Candidate Starts for JAMaL_34:
(Start: 84 @35361 has 463 MA's), (Start: 92 @35397 has 1 MA's), (102, 35424), (107, 35448), (108, 35451), (119, 35511), (122, 35517), (134, 35562), (137, 35571), (138, 35574), (139, 35577), (145, 35604), (148, 35625), (155, 35655), (179, 35721), (181, 35736), (211, 35856), (225, 35934), (229, 35952),

Gene: JDog_36 Start: 34709, Stop: 35308, Start Num: 84
Candidate Starts for JDog_36:
(26, 34502), (27, 34505), (34, 34529), (41, 34571), (44, 34589), (47, 34604), (Start: 84 @34709 has 463 MA's), (Start: 92 @34739 has 1 MA's), (95, 34751), (107, 34790), (111, 34805), (122, 34859), (134, 34904), (136, 34910), (138, 34916), (140, 34922), (148, 34967), (149, 34970), (155, 34997), (178, 35057), (181, 35078), (198, 35141), (205, 35156),

Gene: JDog_35 Start: 34065, Stop: 34712, Start Num: 83
Candidate Starts for JDog_35:
(69, 34026), (Start: 82 @34062 has 112 MA's), (Start: 83 @34065 has 196 MA's), (Start: 105 @34146 has 1 MA's), (136, 34281), (155, 34368), (172, 34413), (185, 34482), (186, 34491), (204, 34542), (211,

34587), (222, 34665), (231, 34698), (235, 34704),

Gene: JacAttac_37 Start: 34978, Stop: 35577, Start Num: 84
Candidate Starts for JacAttac_37:
(27, 34774), (34, 34798), (41, 34840), (44, 34858), (47, 34873), (Start: 84 @34978 has 463 MA's), (Start: 92 @35008 has 1 MA's), (95, 35020), (107, 35059), (111, 35074), (122, 35128), (134, 35173), (136, 35179), (138, 35185), (140, 35191), (148, 35236), (149, 35239), (155, 35266), (178, 35326), (181, 35347), (205, 35425),

Gene: JacAttac_36 Start: 34331, Stop: 34981, Start Num: 82
Candidate Starts for JacAttac_36:
(69, 34295), (Start: 82 @34331 has 112 MA's), (Start: 83 @34334 has 196 MA's), (Start: 105 @34415 has 1 MA's), (136, 34550), (155, 34637), (172, 34682), (186, 34760), (204, 34811), (209, 34838), (211, 34856), (222, 34934), (231, 34967), (235, 34973),

Gene: Jackstina_34 Start: 34850, Stop: 35449, Start Num: 84
Candidate Starts for Jackstina_34:
(Start: 84 @34850 has 463 MA's), (Start: 92 @34880 has 1 MA's), (102, 34907), (119, 34994), (122, 35000), (140, 35063), (145, 35087), (148, 35108), (178, 35198), (198, 35282), (203, 35294), (213, 35354), (224, 35414), (229, 35435),

Gene: Jackstina_33 Start: 34200, Stop: 34853, Start Num: 78
Candidate Starts for Jackstina_33:
(Start: 78 @34200 has 51 MA's), (102, 34281), (107, 34305), (135, 34428), (170, 34554), (177, 34569), (189, 34644), (223, 34809), (231, 34839),

Gene: JaguarMi_33 Start: 34011, Stop: 34658, Start Num: 64
Candidate Starts for JaguarMi_33:
(Start: 64 @34011 has 28 MA's), (94, 34089), (97, 34101), (115, 34173), (129, 34218), (130, 34227), (131, 34230), (134, 34239), (146, 34287), (164, 34359), (181, 34419), (185, 34431), (205, 34491), (209, 34515), (211, 34533), (225, 34620), (233, 34647),

Gene: JaguarMi_34 Start: 34655, Stop: 35260, Start Num: 84
Candidate Starts for JaguarMi_34:
(Start: 84 @34655 has 463 MA's), (Start: 92 @34691 has 1 MA's), (95, 34703), (102, 34718), (107, 34742), (108, 34745), (122, 34811), (134, 34856), (137, 34865), (138, 34868), (139, 34871), (140, 34874), (145, 34898), (148, 34919), (155, 34949), (178, 35009), (181, 35030), (198, 35093), (203, 35105), (211, 35150), (225, 35228), (229, 35246),

Gene: JakeO_36 Start: 34711, Stop: 35310, Start Num: 84
Candidate Starts for JakeO_36:
(26, 34504), (27, 34507), (34, 34531), (41, 34573), (44, 34591), (47, 34606), (Start: 84 @34711 has 463 MA's), (Start: 92 @34741 has 1 MA's), (95, 34753), (107, 34792), (111, 34807), (122, 34861), (134, 34906), (136, 34912), (138, 34918), (140, 34924), (148, 34969), (149, 34972), (155, 34999), (178, 35059), (181, 35080), (198, 35143), (205, 35158),

Gene: JakeO_35 Start: 34064, Stop: 34714, Start Num: 82
Candidate Starts for JakeO_35:
(38, 33917), (69, 34028), (Start: 82 @34064 has 112 MA's), (Start: 83 @34067 has 196 MA's), (Start: 105 @34148 has 1 MA's), (136, 34283), (155, 34370), (172, 34415), (186, 34493), (204, 34544), (209, 34571), (211, 34589), (222, 34667), (231, 34700), (235, 34706),

Gene: JangoPhett_36 Start: 34333, Stop: 34983, Start Num: 82

Candidate Starts for JangoPhett_36:
(38, 34186), (69, 34297), (Start: 82 @34333 has 112 MA's), (Start: 83 @34336 has 196 MA's), (Start: 105 @34417 has 1 MA's), (136, 34552), (155, 34639), (172, 34684), (186, 34762), (204, 34813), (209, 34840), (211, 34858), (222, 34936), (231, 34969), (235, 34975),

Gene: JangoPhett_37 Start: 34980, Stop: 35579, Start Num: 84
Candidate Starts for JangoPhett_37:
(27, 34776), (34, 34800), (41, 34842), (44, 34860), (47, 34875), (Start: 84 @34980 has 463 MA's), (Start: 92 @35010 has 1 MA's), (95, 35022), (107, 35061), (111, 35076), (122, 35130), (134, 35175), (136, 35181), (138, 35187), (140, 35193), (148, 35238), (149, 35241), (155, 35268), (178, 35328), (181, 35349), (205, 35427),

Gene: JellyBelly_30 Start: 28042, Stop: 28674, Start Num: 84
Candidate Starts for JellyBelly_30:
(23, 27832), (34, 27865), (Start: 84 @28042 has 463 MA's), (Start: 92 @28075 has 1 MA's), (102, 28102), (114, 28168), (119, 28189), (122, 28195), (148, 28303), (171, 28369), (198, 28477), (207, 28501), (208, 28510), (210, 28525), (211, 28534),

Gene: JellyBelly_29 Start: 27431, Stop: 28045, Start Num: 85
Candidate Starts for JellyBelly_29:
(Start: 85 @27431 has 18 MA's), (Start: 93 @27464 has 1 MA's), (104, 27500), (111, 27524), (117, 27563), (135, 27632), (136, 27635), (148, 27692), (168, 27740), (172, 27749), (174, 27752), (224, 28004), (233, 28034),

Gene: Jeon_30 Start: 32737, Stop: 33336, Start Num: 84
Candidate Starts for Jeon_30:
(Start: 84 @32737 has 463 MA's), (Start: 92 @32767 has 1 MA's), (98, 32788), (102, 32794), (119, 32881), (122, 32887), (136, 32938), (140, 32950), (145, 32974), (148, 32995), (152, 33013), (158, 33031), (169, 33058), (209, 33208), (211, 33226), (224, 33301), (229, 33322),

Gene: Jeon_28 Start: 31943, Stop: 32587, Start Num: 79
Candidate Starts for Jeon_28:
(Start: 79 @31943 has 48 MA's), (Start: 84 @31961 has 463 MA's), (Start: 92 @31994 has 1 MA's), (101, 32018), (110, 32057), (113, 32066), (123, 32123), (136, 32174), (138, 32180), (140, 32186), (155, 32261), (172, 32288), (182, 32345), (193, 32387), (211, 32462), (221, 32534),

Gene: Jesabah_36 Start: 34067, Stop: 34714, Start Num: 83
Candidate Starts for Jesabah_36:
(69, 34028), (Start: 82 @34064 has 112 MA's), (Start: 83 @34067 has 196 MA's), (Start: 105 @34148 has 1 MA's), (136, 34283), (155, 34370), (172, 34415), (186, 34493), (204, 34544), (209, 34571), (211, 34589), (222, 34667), (231, 34700), (235, 34706),

Gene: Jesabah_37 Start: 34711, Stop: 35310, Start Num: 84
Candidate Starts for Jesabah_37:
(27, 34507), (34, 34531), (41, 34573), (44, 34591), (47, 34606), (Start: 84 @34711 has 463 MA's), (Start: 92 @34741 has 1 MA's), (95, 34753), (107, 34792), (111, 34807), (122, 34861), (134, 34906), (136, 34912), (138, 34918), (140, 34924), (148, 34969), (149, 34972), (155, 34999), (178, 35059), (181, 35080), (205, 35158),

Gene: Jillium_35 Start: 34055, Stop: 34705, Start Num: 82
Candidate Starts for Jillium_35:
(38, 33908), (69, 34019), (Start: 82 @34055 has 112 MA's), (Start: 83 @34058 has 196 MA's), (Start: 105 @34139 has 1 MA's), (136, 34274), (155, 34361), (172, 34406), (186, 34484), (204, 34535), (209,

34562), (211, 34580), (222, 34658), (231, 34691), (235, 34697),

Gene: Jillium_36 Start: 34702, Stop: 35301, Start Num: 84
Candidate Starts for Jillium_36:
(27, 34498), (34, 34522), (41, 34564), (44, 34582), (47, 34597), (Start: 84 @34702 has 463 MA's), (Start: 92 @34732 has 1 MA's), (95, 34744), (107, 34783), (111, 34798), (122, 34852), (134, 34897), (136, 34903), (138, 34909), (140, 34915), (148, 34960), (149, 34963), (155, 34990), (178, 35050), (181, 35071), (205, 35149),

Gene: Jiminy_36 Start: 34546, Stop: 35145, Start Num: 84
Candidate Starts for Jiminy_36:
(26, 34339), (27, 34342), (34, 34366), (41, 34408), (44, 34426), (47, 34441), (Start: 84 @34546 has 463 MA's), (Start: 92 @34576 has 1 MA's), (95, 34588), (107, 34627), (111, 34642), (122, 34696), (134, 34741), (136, 34747), (138, 34753), (140, 34759), (148, 34804), (149, 34807), (155, 34834), (178, 34894), (181, 34915), (198, 34978), (205, 34993),

Gene: Jiminy_35 Start: 33902, Stop: 34549, Start Num: 83
Candidate Starts for Jiminy_35:
(69, 33863), (Start: 82 @33899 has 112 MA's), (Start: 83 @33902 has 196 MA's), (Start: 105 @33983 has 1 MA's), (136, 34118), (155, 34205), (172, 34250), (185, 34319), (186, 34328), (204, 34379), (211, 34424), (222, 34502), (231, 34535), (235, 34541),

Gene: Jiraiya_36 Start: 34699, Stop: 35298, Start Num: 84
Candidate Starts for Jiraiya_36:
(26, 34492), (27, 34495), (34, 34519), (41, 34561), (44, 34579), (47, 34594), (Start: 84 @34699 has 463 MA's), (Start: 92 @34729 has 1 MA's), (95, 34741), (107, 34780), (111, 34795), (122, 34849), (134, 34894), (136, 34900), (138, 34906), (140, 34912), (148, 34957), (149, 34960), (155, 34987), (178, 35047), (181, 35068), (198, 35131), (205, 35146),

Gene: Jiraiya_35 Start: 34055, Stop: 34702, Start Num: 83
Candidate Starts for Jiraiya_35:
(69, 34016), (Start: 82 @34052 has 112 MA's), (Start: 83 @34055 has 196 MA's), (Start: 105 @34136 has 1 MA's), (136, 34271), (155, 34358), (172, 34403), (185, 34472), (186, 34481), (204, 34532), (211, 34577), (222, 34655), (231, 34688), (235, 34694),

Gene: JohnLord_34 Start: 31662, Stop: 32231, Start Num: 92
Candidate Starts for JohnLord_34:
(73, 31596), (Start: 84 @31632 has 463 MA's), (89, 31644), (Start: 92 @31662 has 1 MA's), (102, 31689), (107, 31713), (108, 31716), (136, 31833), (138, 31839), (149, 31893), (184, 32016), (198, 32064), (226, 32202), (229, 32217),

Gene: JohnLord_33 Start: 30991, Stop: 31635, Start Num: 79
Candidate Starts for JohnLord_33:
(21, 30751), (54, 30925), (Start: 79 @30991 has 48 MA's), (98, 31063), (110, 31105), (115, 31138), (118, 31156), (123, 31171), (132, 31210), (140, 31234), (148, 31279), (150, 31285), (168, 31327), (170, 31333), (185, 31405), (186, 31414), (189, 31423), (200, 31456), (211, 31510), (231, 31621), (233, 31624),

Gene: Jolie1_030 Start: 32055, Stop: 32699, Start Num: 82
Candidate Starts for Jolie1_030:
(Start: 82 @32055 has 112 MA's), (104, 32130), (108, 32142), (127, 32232), (139, 32277), (167, 32391), (172, 32403), (180, 32445), (182, 32460), (194, 32508), (233, 32688),

Gene: Jolie1_031 Start: 32696, Stop: 33304, Start Num: 84
Candidate Starts for Jolie1_031:
(14, 32342), (27, 32495), (34, 32519), (59, 32642), (Start: 84 @32696 has 463 MA's), (119, 32840), (122, 32846), (136, 32897), (139, 32906), (140, 32909), (148, 32954), (154, 32981), (169, 33017), (173, 33023), (178, 33044), (207, 33152), (216, 33230), (225, 33272), (229, 33290),

Gene: JoyceMaria_33 Start: 34532, Stop: 35179, Start Num: 64
Candidate Starts for JoyceMaria_33:
(Start: 64 @34532 has 28 MA's), (94, 34610), (97, 34622), (115, 34694), (124, 34718), (129, 34739), (130, 34748), (131, 34751), (134, 34760), (146, 34808), (164, 34880), (181, 34940), (185, 34952), (205, 35012), (209, 35036), (211, 35054), (225, 35141), (226, 35144), (233, 35168),

Gene: JoyceMaria_34 Start: 35176, Stop: 35781, Start Num: 84
Candidate Starts for JoyceMaria_34:
(1, 34603), (5, 34720), (8, 34774), (10, 34783), (20, 34906), (28, 34975), (35, 34999), (45, 35056), (Start: 84 @35176 has 463 MA's), (Start: 92 @35212 has 1 MA's), (102, 35239), (107, 35263), (108, 35266), (119, 35326), (122, 35332), (134, 35377), (137, 35386), (138, 35389), (139, 35392), (145, 35419), (148, 35440), (155, 35470), (181, 35551), (198, 35614), (211, 35671), (225, 35749), (229, 35767),

Gene: KLucky39_37 Start: 34990, Stop: 35589, Start Num: 84
Candidate Starts for KLucky39_37:
(27, 34786), (34, 34810), (41, 34852), (44, 34870), (47, 34885), (Start: 84 @34990 has 463 MA's), (Start: 92 @35020 has 1 MA's), (95, 35032), (107, 35071), (111, 35086), (122, 35140), (134, 35185), (136, 35191), (138, 35197), (140, 35203), (148, 35248), (149, 35251), (155, 35278), (178, 35338), (181, 35359), (205, 35437),

Gene: KLucky39_36 Start: 34343, Stop: 34993, Start Num: 82
Candidate Starts for KLucky39_36:
(38, 34196), (69, 34307), (Start: 82 @34343 has 112 MA's), (Start: 83 @34346 has 196 MA's), (Start: 105 @34427 has 1 MA's), (136, 34562), (155, 34649), (172, 34694), (186, 34772), (204, 34823), (209, 34850), (211, 34868), (222, 34946), (231, 34979), (235, 34985),

Gene: Kahve_36 Start: 34706, Stop: 35305, Start Num: 84
Candidate Starts for Kahve_36:
(27, 34502), (34, 34526), (41, 34568), (44, 34586), (47, 34601), (Start: 84 @34706 has 463 MA's), (Start: 92 @34736 has 1 MA's), (95, 34748), (107, 34787), (111, 34802), (122, 34856), (134, 34901), (136, 34907), (138, 34913), (140, 34919), (148, 34964), (149, 34967), (155, 34994), (178, 35054), (181, 35075), (205, 35153),

Gene: Kahve_35 Start: 34062, Stop: 34709, Start Num: 83
Candidate Starts for Kahve_35:
(38, 33912), (69, 34023), (Start: 82 @34059 has 112 MA's), (Start: 83 @34062 has 196 MA's), (Start: 105 @34143 has 1 MA's), (136, 34278), (155, 34365), (172, 34410), (186, 34488), (204, 34539), (209, 34566), (211, 34584), (222, 34662), (231, 34695), (235, 34701),

Gene: Kailash_36 Start: 34397, Stop: 35047, Start Num: 82
Candidate Starts for Kailash_36:
(69, 34361), (Start: 82 @34397 has 112 MA's), (Start: 83 @34400 has 196 MA's), (Start: 105 @34481 has 1 MA's), (136, 34616), (155, 34703), (172, 34748), (185, 34817), (186, 34826), (204, 34877), (211, 34922), (222, 35000), (231, 35033), (235, 35039),

Gene: Kailash_37 Start: 35044, Stop: 35643, Start Num: 84

Candidate Starts for Kailash_37:
(26, 34837), (27, 34840), (34, 34864), (41, 34906), (44, 34924), (47, 34939), (Start: 84 @35044 has 463 MA's), (Start: 92 @35074 has 1 MA's), (95, 35086), (107, 35125), (111, 35140), (122, 35194), (134, 35239), (136, 35245), (138, 35251), (140, 35257), (148, 35302), (149, 35305), (155, 35332), (178, 35392), (181, 35413), (198, 35476), (205, 35491),

Gene: Kaleb_36 Start: 34804, Stop: 35448, Start Num: 79
Candidate Starts for Kaleb_36:
(32, 34639), (54, 34750), (Start: 79 @34804 has 48 MA's), (Start: 81 @34813 has 1 MA's), (102, 34882), (108, 34909), (110, 34918), (113, 34927), (136, 35035), (140, 35047), (168, 35140), (182, 35206), (186, 35227), (191, 35242), (193, 35248), (200, 35269), (206, 35281), (233, 35437),

Gene: Kaleb_38 Start: 35594, Stop: 36193, Start Num: 84
Candidate Starts for Kaleb_38:
(Start: 78 @35573 has 51 MA's), (Start: 84 @35594 has 463 MA's), (Start: 92 @35624 has 1 MA's), (98, 35645), (107, 35675), (108, 35678), (122, 35744), (136, 35795), (137, 35798), (138, 35801), (145, 35831), (148, 35852), (171, 35918), (179, 35948), (203, 36038), (205, 36041), (208, 36059), (211, 36083), (222, 36152), (229, 36179),

Gene: Kamiyu_36 Start: 34249, Stop: 34902, Start Num: 78
Candidate Starts for Kamiyu_36:
(Start: 78 @34249 has 51 MA's), (102, 34330), (135, 34477), (170, 34603), (177, 34618), (189, 34693), (223, 34858), (231, 34888),

Gene: Kamiyu_37 Start: 34899, Stop: 35498, Start Num: 84
Candidate Starts for Kamiyu_37:
(26, 34695), (Start: 84 @34899 has 463 MA's), (Start: 92 @34929 has 1 MA's), (102, 34956), (119, 35043), (122, 35049), (140, 35112), (145, 35136), (178, 35247), (198, 35331), (203, 35343), (213, 35403), (229, 35484),

Gene: KarasumaRum_37 Start: 35147, Stop: 35740, Start Num: 92
Candidate Starts for KarasumaRum_37:
(Start: 82 @35111 has 112 MA's), (Start: 92 @35147 has 1 MA's), (104, 35189), (108, 35201), (135, 35327), (138, 35336), (140, 35342), (148, 35387), (168, 35435), (170, 35441), (211, 35615), (233, 35729),

Gene: KarasumaRum_38 Start: 35737, Stop: 36345, Start Num: 84
Candidate Starts for KarasumaRum_38:
(Start: 84 @35737 has 463 MA's), (Start: 92 @35767 has 1 MA's), (107, 35818), (119, 35881), (122, 35887), (136, 35938), (138, 35944), (140, 35950), (149, 35998), (196, 36163), (198, 36169), (216, 36271), (225, 36313), (229, 36331),

Gene: Karn_36 Start: 34706, Stop: 35305, Start Num: 84
Candidate Starts for Karn_36:
(26, 34499), (27, 34502), (34, 34526), (41, 34568), (44, 34586), (47, 34601), (Start: 84 @34706 has 463 MA's), (Start: 92 @34736 has 1 MA's), (95, 34748), (107, 34787), (111, 34802), (122, 34856), (134, 34901), (136, 34907), (138, 34913), (140, 34919), (148, 34964), (149, 34967), (155, 34994), (178, 35054), (181, 35075), (198, 35138), (205, 35153),

Gene: Karn_35 Start: 34062, Stop: 34709, Start Num: 83
Candidate Starts for Karn_35:
(69, 34023), (Start: 82 @34059 has 112 MA's), (Start: 83 @34062 has 196 MA's), (Start: 105 @34143 has 1 MA's), (136, 34278), (155, 34365), (172, 34410), (185, 34479), (186, 34488), (204, 34539), (211,

34584), (222, 34662), (231, 34695), (235, 34701),

Gene: Katniss_36 Start: 34361, Stop: 35008, Start Num: 83
Candidate Starts for Katniss_36:
(69, 34322), (Start: 82 @34358 has 112 MA's), (Start: 83 @34361 has 196 MA's), (Start: 105 @34442 has 1 MA's), (136, 34577), (155, 34664), (172, 34709), (186, 34787), (204, 34838), (209, 34865), (211, 34883), (222, 34961), (231, 34994), (235, 35000),

Gene: Katniss_37 Start: 35005, Stop: 35604, Start Num: 84
Candidate Starts for Katniss_37:
(27, 34801), (34, 34825), (41, 34867), (44, 34885), (47, 34900), (Start: 84 @35005 has 463 MA's), (Start: 92 @35035 has 1 MA's), (95, 35047), (107, 35086), (111, 35101), (122, 35155), (134, 35200), (136, 35206), (138, 35212), (140, 35218), (148, 35263), (149, 35266), (155, 35293), (178, 35353), (181, 35374), (205, 35452),

Gene: KayaCho_31 Start: 32692, Stop: 33300, Start Num: 84
Candidate Starts for KayaCho_31:
(14, 32338), (27, 32491), (34, 32515), (59, 32638), (Start: 84 @32692 has 463 MA's), (119, 32836), (122, 32842), (136, 32893), (138, 32899), (139, 32902), (148, 32950), (154, 32977), (169, 33013), (178, 33040), (196, 33118), (203, 33136), (207, 33148), (216, 33226), (225, 33268), (229, 33286),

Gene: KayaCho_30 Start: 32051, Stop: 32695, Start Num: 82
Candidate Starts for KayaCho_30:
(Start: 82 @32051 has 112 MA's), (104, 32126), (108, 32138), (126, 32225), (127, 32228), (139, 32273), (167, 32387), (172, 32399), (178, 32423), (180, 32441), (182, 32456), (194, 32504), (233, 32684),

Gene: Keitherie_37 Start: 35043, Stop: 35642, Start Num: 84
Candidate Starts for Keitherie_37:
(27, 34839), (34, 34863), (41, 34905), (44, 34923), (47, 34938), (Start: 84 @35043 has 463 MA's), (Start: 92 @35073 has 1 MA's), (95, 35085), (107, 35124), (111, 35139), (122, 35193), (134, 35238), (136, 35244), (138, 35250), (140, 35256), (148, 35301), (149, 35304), (155, 35331), (181, 35412), (198, 35475), (205, 35490),

Gene: Keitherie_36 Start: 34396, Stop: 35046, Start Num: 82
Candidate Starts for Keitherie_36:
(38, 34249), (69, 34360), (Start: 82 @34396 has 112 MA's), (Start: 83 @34399 has 196 MA's), (Start: 105 @34480 has 1 MA's), (136, 34615), (155, 34702), (172, 34747), (186, 34825), (204, 34876), (209, 34903), (211, 34921), (222, 34999), (231, 35032), (235, 35038),

Gene: Khan1_37 Start: 34727, Stop: 35326, Start Num: 84
Candidate Starts for Khan1_37:
(26, 34520), (27, 34523), (34, 34547), (41, 34589), (44, 34607), (47, 34622), (Start: 84 @34727 has 463 MA's), (Start: 92 @34757 has 1 MA's), (95, 34769), (107, 34808), (111, 34823), (122, 34877), (134, 34922), (136, 34928), (138, 34934), (140, 34940), (148, 34985), (149, 34988), (155, 35015), (178, 35075), (181, 35096), (198, 35159), (205, 35174),

Gene: Khan1_36 Start: 34083, Stop: 34730, Start Num: 83
Candidate Starts for Khan1_36:
(69, 34044), (Start: 82 @34080 has 112 MA's), (Start: 83 @34083 has 196 MA's), (Start: 105 @34164 has 1 MA's), (136, 34299), (155, 34386), (172, 34431), (185, 34500), (186, 34509), (204, 34560), (211, 34605), (222, 34683), (231, 34716), (235, 34722),

Gene: Kheth_36 Start: 34692, Stop: 35336, Start Num: 79
Candidate Starts for Kheth_36:
(32, 34527), (54, 34638), (Start: 79 @34692 has 48 MA's), (Start: 81 @34701 has 1 MA's), (102, 34770), (108, 34797), (110, 34806), (113, 34815), (136, 34923), (140, 34935), (168, 35028), (182, 35094), (186, 35115), (191, 35130), (193, 35136), (200, 35157), (206, 35169), (233, 35325),

Gene: Kheth_38 Start: 35482, Stop: 36081, Start Num: 84
Candidate Starts for Kheth_38:
(Start: 78 @35461 has 51 MA's), (Start: 84 @35482 has 463 MA's), (Start: 92 @35512 has 1 MA's), (98, 35533), (107, 35563), (108, 35566), (122, 35632), (136, 35683), (137, 35686), (138, 35689), (145, 35719), (148, 35740), (171, 35806), (179, 35836), (203, 35926), (205, 35929), (208, 35947), (211, 35971), (222, 36040), (229, 36067),

Gene: Kikipoo_37 Start: 34996, Stop: 35595, Start Num: 84
Candidate Starts for Kikipoo_37:
(27, 34792), (34, 34816), (41, 34858), (44, 34876), (47, 34891), (Start: 84 @34996 has 463 MA's), (Start: 92 @35026 has 1 MA's), (95, 35038), (107, 35077), (111, 35092), (122, 35146), (134, 35191), (136, 35197), (138, 35203), (140, 35209), (148, 35254), (149, 35257), (155, 35284), (178, 35344), (181, 35365), (205, 35443),

Gene: Kikipoo_36 Start: 34349, Stop: 34999, Start Num: 82
Candidate Starts for Kikipoo_36:
(69, 34313), (Start: 82 @34349 has 112 MA's), (Start: 83 @34352 has 196 MA's), (Start: 105 @34433 has 1 MA's), (136, 34568), (155, 34655), (172, 34700), (186, 34778), (204, 34829), (209, 34856), (211, 34874), (222, 34952), (231, 34985), (235, 34991),

Gene: Kimbrough_37 Start: 34698, Stop: 35297, Start Num: 84
Candidate Starts for Kimbrough_37:
(27, 34494), (34, 34518), (41, 34560), (44, 34578), (47, 34593), (Start: 84 @34698 has 463 MA's), (Start: 92 @34728 has 1 MA's), (95, 34740), (107, 34779), (111, 34794), (122, 34848), (134, 34893), (136, 34899), (138, 34905), (140, 34911), (148, 34956), (149, 34959), (155, 34986), (178, 35046), (181, 35067), (205, 35145),

Gene: Kimbrough_36 Start: 34054, Stop: 34701, Start Num: 83
Candidate Starts for Kimbrough_36:
(69, 34015), (Start: 82 @34051 has 112 MA's), (Start: 83 @34054 has 196 MA's), (Start: 105 @34135 has 1 MA's), (136, 34270), (155, 34357), (172, 34402), (186, 34480), (204, 34531), (209, 34558), (211, 34576), (222, 34654), (231, 34687), (235, 34693),

Gene: KingTut_28 Start: 30367, Stop: 30966, Start Num: 84
Candidate Starts for KingTut_28:
(27, 30163), (34, 30187), (41, 30229), (44, 30247), (47, 30262), (Start: 84 @30367 has 463 MA's), (Start: 92 @30397 has 1 MA's), (95, 30409), (107, 30448), (111, 30463), (122, 30517), (134, 30562), (136, 30568), (138, 30574), (140, 30580), (148, 30625), (149, 30628), (155, 30655), (178, 30715), (181, 30736), (205, 30814),

Gene: KingTut_27 Start: 29723, Stop: 30370, Start Num: 83
Candidate Starts for KingTut_27:
(38, 29573), (69, 29684), (Start: 82 @29720 has 112 MA's), (Start: 83 @29723 has 196 MA's), (Start: 105 @29804 has 1 MA's), (136, 29939), (155, 30026), (172, 30071), (186, 30149), (204, 30200), (209, 30227), (211, 30245), (222, 30323), (231, 30356), (235, 30362),

Gene: KingVeVeVe_36 Start: 34324, Stop: 34974, Start Num: 82

Candidate Starts for KingVeVeVe_36:
(69, 34288), (Start: 82 @34324 has 112 MA's), (Start: 83 @34327 has 196 MA's), (Start: 105 @34408 has 1 MA's), (136, 34543), (155, 34630), (172, 34675), (186, 34753), (204, 34804), (209, 34831), (211, 34849), (222, 34927), (231, 34960), (235, 34966),

Gene: KingVeVeVe_37 Start: 34971, Stop: 35570, Start Num: 84
Candidate Starts for KingVeVeVe_37:
(27, 34767), (34, 34791), (41, 34833), (44, 34851), (47, 34866), (Start: 84 @34971 has 463 MA's), (Start: 92 @35001 has 1 MA's), (95, 35013), (107, 35052), (111, 35067), (122, 35121), (134, 35166), (136, 35172), (138, 35178), (140, 35184), (148, 35229), (149, 35232), (155, 35259), (178, 35319), (181, 35340), (205, 35418),

Gene: KlimbOn_36 Start: 34340, Stop: 34987, Start Num: 83
Candidate Starts for KlimbOn_36:
(38, 34190), (69, 34301), (Start: 82 @34337 has 112 MA's), (Start: 83 @34340 has 196 MA's), (Start: 105 @34421 has 1 MA's), (136, 34556), (155, 34643), (172, 34688), (186, 34766), (204, 34817), (209, 34844), (211, 34862), (222, 34940), (231, 34973), (235, 34979),

Gene: KlimbOn_37 Start: 34984, Stop: 35583, Start Num: 84
Candidate Starts for KlimbOn_37:
(27, 34780), (34, 34804), (41, 34846), (44, 34864), (47, 34879), (Start: 84 @34984 has 463 MA's), (Start: 92 @35014 has 1 MA's), (95, 35026), (107, 35065), (111, 35080), (122, 35134), (134, 35179), (136, 35185), (138, 35191), (140, 35197), (148, 35242), (149, 35245), (155, 35272), (178, 35332), (181, 35353), (205, 35431),

Gene: Kloppinator_37 Start: 35007, Stop: 35606, Start Num: 84
Candidate Starts for Kloppinator_37:
(27, 34803), (34, 34827), (41, 34869), (44, 34887), (47, 34902), (Start: 84 @35007 has 463 MA's), (Start: 92 @35037 has 1 MA's), (95, 35049), (107, 35088), (111, 35103), (122, 35157), (134, 35202), (136, 35208), (138, 35214), (140, 35220), (148, 35265), (149, 35268), (155, 35295), (178, 35355), (181, 35376), (205, 35454),

Gene: Kloppinator_36 Start: 34363, Stop: 35010, Start Num: 83
Candidate Starts for Kloppinator_36:
(38, 34213), (69, 34324), (Start: 82 @34360 has 112 MA's), (Start: 83 @34363 has 196 MA's), (Start: 105 @34444 has 1 MA's), (136, 34579), (155, 34666), (172, 34711), (186, 34789), (204, 34840), (209, 34867), (211, 34885), (222, 34963), (231, 34996), (235, 35002),

Gene: Knocker_38 Start: 36842, Stop: 37450, Start Num: 84
Candidate Starts for Knocker_38:
(59, 36788), (Start: 84 @36842 has 463 MA's), (Start: 92 @36875 has 1 MA's), (108, 36929), (119, 36989), (122, 36995), (127, 37010), (136, 37046), (138, 37052), (139, 37055), (142, 37076), (145, 37082), (180, 37211), (205, 37292), (211, 37334), (216, 37379), (224, 37418), (227, 37427), (229, 37439),

Gene: Knocker_37 Start: 36198, Stop: 36845, Start Num: 82
Candidate Starts for Knocker_37:
(Start: 82 @36198 has 112 MA's), (104, 36273), (109, 36291), (110, 36297), (121, 36360), (127, 36378), (132, 36402), (136, 36414), (138, 36420), (170, 36546), (172, 36549), (211, 36720), (226, 36810), (233, 36834),

Gene: Kolhan_36 Start: 34683, Stop: 35327, Start Num: 79
Candidate Starts for Kolhan_36:

(32, 34518), (54, 34629), (Start: 79 @34683 has 48 MA's), (Start: 81 @34692 has 1 MA's), (102, 34761), (108, 34788), (110, 34797), (136, 34914), (140, 34926), (168, 35019), (182, 35085), (186, 35106), (191, 35121), (193, 35127), (200, 35148), (206, 35160), (233, 35316),

Gene: Kolhan_38 Start: 35473, Stop: 36072, Start Num: 84
Candidate Starts for Kolhan_38:
(Start: 78 @35452 has 51 MA's), (Start: 84 @35473 has 463 MA's), (Start: 92 @35503 has 1 MA's), (98, 35524), (107, 35554), (108, 35557), (122, 35623), (136, 35674), (137, 35677), (138, 35680), (145, 35710), (148, 35731), (171, 35797), (179, 35827), (203, 35917), (205, 35920), (208, 35938), (211, 35962), (222, 36031), (229, 36058),

Gene: Kronus_36 Start: 35509, Stop: 36108, Start Num: 84
Candidate Starts for Kronus_36:
(Start: 84 @35509 has 463 MA's), (Start: 92 @35539 has 1 MA's), (102, 35566), (119, 35653), (122, 35659), (140, 35722), (145, 35746), (148, 35767), (178, 35857), (198, 35941), (203, 35953), (213, 36013), (224, 36073), (229, 36094),

Gene: Kronus_35 Start: 34859, Stop: 35512, Start Num: 78
Candidate Starts for Kronus_35:
(Start: 78 @34859 has 51 MA's), (102, 34940), (107, 34964), (135, 35087), (170, 35213), (177, 35228), (189, 35303), (223, 35468), (231, 35498),

Gene: Kwadwo_35 Start: 34041, Stop: 34691, Start Num: 82
Candidate Starts for Kwadwo_35:
(69, 34005), (Start: 82 @34041 has 112 MA's), (Start: 83 @34044 has 196 MA's), (Start: 105 @34125 has 1 MA's), (136, 34260), (155, 34347), (172, 34392), (186, 34470), (204, 34521), (209, 34548), (211, 34566), (222, 34644), (231, 34677), (235, 34683),

Gene: Kwadwo_36 Start: 34688, Stop: 35287, Start Num: 84
Candidate Starts for Kwadwo_36:
(27, 34484), (34, 34508), (41, 34550), (44, 34568), (47, 34583), (Start: 84 @34688 has 463 MA's), (Start: 92 @34718 has 1 MA's), (95, 34730), (107, 34769), (111, 34784), (122, 34838), (134, 34883), (136, 34889), (138, 34895), (140, 34901), (148, 34946), (149, 34949), (155, 34976), (178, 35036), (181, 35057), (205, 35135),

Gene: Kwksand96_36 Start: 34557, Stop: 35156, Start Num: 84
Candidate Starts for Kwksand96_36:
(26, 34350), (27, 34353), (34, 34377), (41, 34419), (44, 34437), (47, 34452), (Start: 84 @34557 has 463 MA's), (Start: 92 @34587 has 1 MA's), (95, 34599), (107, 34638), (111, 34653), (122, 34707), (134, 34752), (136, 34758), (138, 34764), (140, 34770), (148, 34815), (149, 34818), (155, 34845), (178, 34905), (181, 34926), (198, 34989), (205, 35004),

Gene: Kwksand96_35 Start: 33913, Stop: 34560, Start Num: 83
Candidate Starts for Kwksand96_35:
(69, 33874), (Start: 82 @33910 has 112 MA's), (Start: 83 @33913 has 196 MA's), (Start: 105 @33994 has 1 MA's), (136, 34129), (155, 34216), (172, 34261), (185, 34330), (186, 34339), (204, 34390), (211, 34435), (222, 34513), (231, 34546), (235, 34552),

Gene: Labeouficaum_35 Start: 33908, Stop: 34555, Start Num: 83
Candidate Starts for Labeouficaum_35:
(69, 33869), (Start: 82 @33905 has 112 MA's), (Start: 83 @33908 has 196 MA's), (Start: 105 @33989 has 1 MA's), (136, 34124), (155, 34211), (172, 34256), (185, 34325), (186, 34334), (204, 34385), (211, 34430), (222, 34508), (231, 34541), (235, 34547),

Gene: Labeouficaum_36 Start: 34552, Stop: 35151, Start Num: 84
Candidate Starts for Labeouficaum_36:
(26, 34345), (27, 34348), (34, 34372), (41, 34414), (44, 34432), (47, 34447), (Start: 84 @34552 has 463 MA's), (Start: 92 @34582 has 1 MA's), (95, 34594), (107, 34633), (111, 34648), (122, 34702), (134, 34747), (136, 34753), (138, 34759), (140, 34765), (148, 34810), (149, 34813), (155, 34840), (178, 34900), (181, 34921), (198, 34984), (205, 34999),

Gene: Lambano_33 Start: 34162, Stop: 34767, Start Num: 84
Candidate Starts for Lambano_33:
(Start: 84 @34162 has 463 MA's), (Start: 92 @34198 has 1 MA's), (107, 34249), (108, 34252), (119, 34312), (122, 34318), (134, 34363), (137, 34372), (138, 34375), (139, 34378), (145, 34405), (155, 34456), (179, 34522), (181, 34537), (198, 34600), (211, 34657), (225, 34735), (229, 34753),

Gene: Lambano_32 Start: 33518, Stop: 34165, Start Num: 64
Candidate Starts for Lambano_32:
(Start: 64 @33518 has 28 MA's), (94, 33596), (97, 33608), (115, 33680), (124, 33704), (129, 33725), (130, 33734), (131, 33737), (134, 33746), (135, 33749), (146, 33794), (157, 33848), (164, 33866), (181, 33926), (185, 33938), (205, 33998), (209, 34022), (211, 34040), (225, 34127), (233, 34154),

Gene: Lars_36 Start: 34794, Stop: 35438, Start Num: 79
Candidate Starts for Lars_36:
(32, 34629), (54, 34740), (Start: 79 @34794 has 48 MA's), (Start: 81 @34803 has 1 MA's), (102, 34872), (108, 34899), (110, 34908), (113, 34917), (136, 35025), (140, 35037), (168, 35130), (182, 35196), (186, 35217), (191, 35232), (193, 35238), (200, 35259), (206, 35271), (233, 35427),

Gene: Lars_38 Start: 35584, Stop: 36183, Start Num: 84
Candidate Starts for Lars_38:
(Start: 78 @35563 has 51 MA's), (Start: 84 @35584 has 463 MA's), (Start: 92 @35614 has 1 MA's), (98, 35635), (107, 35665), (108, 35668), (122, 35734), (136, 35785), (137, 35788), (138, 35791), (145, 35821), (148, 35842), (171, 35908), (179, 35938), (203, 36028), (205, 36031), (208, 36049), (210, 36064), (211, 36073), (222, 36142), (229, 36169),

Gene: Larson_38 Start: 35101, Stop: 35700, Start Num: 84
Candidate Starts for Larson_38:
(27, 34897), (34, 34921), (41, 34963), (44, 34981), (47, 34996), (Start: 84 @35101 has 463 MA's), (Start: 92 @35131 has 1 MA's), (95, 35143), (107, 35182), (111, 35197), (122, 35251), (134, 35296), (136, 35302), (138, 35308), (140, 35314), (148, 35359), (149, 35362), (155, 35389), (181, 35470), (198, 35533), (205, 35548),

Gene: Larson_37 Start: 34457, Stop: 35104, Start Num: 83
Candidate Starts for Larson_37:
(38, 34307), (69, 34418), (Start: 82 @34454 has 112 MA's), (Start: 83 @34457 has 196 MA's), (Start: 105 @34538 has 1 MA's), (136, 34673), (155, 34760), (172, 34805), (186, 34883), (204, 34934), (209, 34961), (211, 34979), (222, 35057), (231, 35090), (235, 35096),

Gene: LasagnaCat_36 Start: 34346, Stop: 34993, Start Num: 83
Candidate Starts for LasagnaCat_36:
(69, 34307), (Start: 82 @34343 has 112 MA's), (Start: 83 @34346 has 196 MA's), (Start: 105 @34427 has 1 MA's), (136, 34562), (155, 34649), (172, 34694), (185, 34763), (186, 34772), (204, 34823), (211, 34868), (222, 34946), (231, 34979), (235, 34985),

Gene: LasagnaCat_37 Start: 34990, Stop: 35589, Start Num: 84

Candidate Starts for LasagnaCat_37:
(26, 34783), (27, 34786), (34, 34810), (41, 34852), (44, 34870), (47, 34885), (Start: 84 @34990 has 463 MA's), (Start: 92 @35020 has 1 MA's), (95, 35032), (107, 35071), (111, 35086), (122, 35140), (134, 35185), (136, 35191), (138, 35197), (140, 35203), (148, 35248), (149, 35251), (155, 35278), (178, 35338), (181, 35359), (198, 35422), (205, 35437),

Gene: Lasso_37 Start: 34963, Stop: 35562, Start Num: 84
Candidate Starts for Lasso_37:
(27, 34759), (34, 34783), (41, 34825), (44, 34843), (47, 34858), (Start: 84 @34963 has 463 MA's), (Start: 92 @34993 has 1 MA's), (95, 35005), (107, 35044), (111, 35059), (122, 35113), (134, 35158), (136, 35164), (138, 35170), (140, 35176), (148, 35221), (149, 35224), (155, 35251), (178, 35311), (181, 35332), (205, 35410),

Gene: Lasso_36 Start: 34316, Stop: 34966, Start Num: 82
Candidate Starts for Lasso_36:
(69, 34280), (Start: 82 @34316 has 112 MA's), (Start: 83 @34319 has 196 MA's), (Start: 105 @34400 has 1 MA's), (136, 34535), (155, 34622), (172, 34667), (186, 34745), (204, 34796), (209, 34823), (211, 34841), (222, 34919), (231, 34952), (235, 34958),

Gene: Laurie_37 Start: 34980, Stop: 35579, Start Num: 84
Candidate Starts for Laurie_37:
(Start: 78 @34959 has 51 MA's), (Start: 84 @34980 has 463 MA's), (Start: 92 @35010 has 1 MA's), (98, 35031), (107, 35061), (108, 35064), (122, 35130), (136, 35181), (137, 35184), (138, 35187), (145, 35217), (148, 35238), (171, 35304), (179, 35334), (203, 35424), (205, 35427), (208, 35445), (211, 35469), (222, 35538), (229, 35565),

Gene: Laurie_36 Start: 34190, Stop: 34834, Start Num: 79
Candidate Starts for Laurie_36:
(22, 33989), (Start: 79 @34190 has 48 MA's), (Start: 81 @34199 has 1 MA's), (102, 34268), (108, 34295), (110, 34304), (132, 34409), (136, 34421), (140, 34433), (168, 34526), (182, 34592), (186, 34613), (191, 34628), (193, 34634), (200, 34655), (206, 34667), (233, 34823),

Gene: LeeLot_37 Start: 34994, Stop: 35593, Start Num: 84
Candidate Starts for LeeLot_37:
(27, 34790), (34, 34814), (41, 34856), (44, 34874), (47, 34889), (Start: 84 @34994 has 463 MA's), (Start: 92 @35024 has 1 MA's), (95, 35036), (107, 35075), (111, 35090), (122, 35144), (134, 35189), (136, 35195), (138, 35201), (140, 35207), (148, 35252), (149, 35255), (155, 35282), (178, 35342), (181, 35363), (205, 35441),

Gene: LeeLot_36 Start: 34350, Stop: 34997, Start Num: 83
Candidate Starts for LeeLot_36:
(69, 34311), (Start: 82 @34347 has 112 MA's), (Start: 83 @34350 has 196 MA's), (Start: 105 @34431 has 1 MA's), (136, 34566), (155, 34653), (172, 34698), (186, 34776), (204, 34827), (209, 34854), (211, 34872), (222, 34950), (231, 34983), (235, 34989),

Gene: Lego3393_37 Start: 34999, Stop: 35598, Start Num: 84
Candidate Starts for Lego3393_37:
(27, 34795), (34, 34819), (41, 34861), (44, 34879), (47, 34894), (Start: 84 @34999 has 463 MA's), (Start: 92 @35029 has 1 MA's), (95, 35041), (107, 35080), (111, 35095), (122, 35149), (134, 35194), (136, 35200), (138, 35206), (140, 35212), (148, 35257), (149, 35260), (155, 35287), (178, 35347), (181, 35368), (205, 35446),

Gene: Lego3393_36 Start: 34355, Stop: 35002, Start Num: 83

Candidate Starts for Lego3393_36:
(69, 34316), (Start: 82 @34352 has 112 MA's), (Start: 83 @34355 has 196 MA's), (Start: 105 @34436 has 1 MA's), (136, 34571), (155, 34658), (172, 34703), (186, 34781), (204, 34832), (209, 34859), (211, 34877), (222, 34955), (231, 34988), (235, 34994),

Gene: Legolas_36 Start: 34704, Stop: 35303, Start Num: 84
Candidate Starts for Legolas_36:
(27, 34500), (34, 34524), (41, 34566), (44, 34584), (47, 34599), (Start: 84 @34704 has 463 MA's), (Start: 92 @34734 has 1 MA's), (95, 34746), (107, 34785), (111, 34800), (122, 34854), (134, 34899), (136, 34905), (138, 34911), (140, 34917), (148, 34962), (149, 34965), (155, 34992), (178, 35052), (181, 35073), (205, 35151),

Gene: Legolas_35 Start: 34060, Stop: 34707, Start Num: 83
Candidate Starts for Legolas_35:
(69, 34021), (Start: 82 @34057 has 112 MA's), (Start: 83 @34060 has 196 MA's), (Start: 105 @34141 has 1 MA's), (136, 34276), (155, 34363), (172, 34408), (186, 34486), (204, 34537), (209, 34564), (211, 34582), (222, 34660), (231, 34693), (235, 34699),

Gene: Lehmann_36 Start: 33883, Stop: 34530, Start Num: 83
Candidate Starts for Lehmann_36:
(38, 33733), (69, 33844), (Start: 82 @33880 has 112 MA's), (Start: 83 @33883 has 196 MA's), (Start: 105 @33964 has 1 MA's), (136, 34099), (155, 34186), (172, 34231), (186, 34309), (204, 34360), (209, 34387), (211, 34405), (222, 34483), (231, 34516), (235, 34522),

Gene: Lehmann_37 Start: 34527, Stop: 35126, Start Num: 84
Candidate Starts for Lehmann_37:
(27, 34323), (34, 34347), (41, 34389), (44, 34407), (47, 34422), (Start: 84 @34527 has 463 MA's), (Start: 92 @34557 has 1 MA's), (95, 34569), (107, 34608), (111, 34623), (122, 34677), (134, 34722), (136, 34728), (138, 34734), (140, 34740), (148, 34785), (149, 34788), (155, 34815), (178, 34875), (181, 34896), (205, 34974),

Gene: LeiMonet_37 Start: 34695, Stop: 35294, Start Num: 84
Candidate Starts for LeiMonet_37:
(26, 34488), (27, 34491), (34, 34515), (41, 34557), (44, 34575), (47, 34590), (Start: 84 @34695 has 463 MA's), (Start: 92 @34725 has 1 MA's), (95, 34737), (107, 34776), (111, 34791), (122, 34845), (134, 34890), (136, 34896), (138, 34902), (140, 34908), (148, 34953), (149, 34956), (155, 34983), (178, 35043), (181, 35064), (205, 35142),

Gene: LeiMonet_36 Start: 34051, Stop: 34698, Start Num: 83
Candidate Starts for LeiMonet_36:
(69, 34012), (Start: 82 @34048 has 112 MA's), (Start: 83 @34051 has 196 MA's), (Start: 105 @34132 has 1 MA's), (136, 34267), (155, 34354), (172, 34399), (186, 34477), (204, 34528), (209, 34555), (211, 34573), (222, 34651), (231, 34684), (235, 34690),

Gene: LemonSlice_37 Start: 34691, Stop: 35290, Start Num: 84
Candidate Starts for LemonSlice_37:
(27, 34487), (34, 34511), (41, 34553), (44, 34571), (47, 34586), (Start: 84 @34691 has 463 MA's), (Start: 92 @34721 has 1 MA's), (95, 34733), (107, 34772), (111, 34787), (122, 34841), (134, 34886), (136, 34892), (138, 34898), (140, 34904), (148, 34949), (149, 34952), (155, 34979), (178, 35039), (181, 35060), (205, 35138),

Gene: LemonSlice_36 Start: 34047, Stop: 34694, Start Num: 83
Candidate Starts for LemonSlice_36:

(69, 34008), (Start: 82 @34044 has 112 MA's), (Start: 83 @34047 has 196 MA's), (Start: 105 @34128 has 1 MA's), (136, 34263), (155, 34350), (172, 34395), (186, 34473), (204, 34524), (209, 34551), (211, 34569), (222, 34647), (231, 34680), (235, 34686),

Gene: Lephleur_36 Start: 34687, Stop: 35331, Start Num: 79
Candidate Starts for Lephleur_36:
(32, 34522), (54, 34633), (Start: 79 @34687 has 48 MA's), (Start: 81 @34696 has 1 MA's), (102, 34765), (108, 34792), (110, 34801), (113, 34810), (136, 34918), (140, 34930), (168, 35023), (182, 35089), (186, 35110), (191, 35125), (193, 35131), (200, 35152), (206, 35164), (233, 35320),

Gene: Lephleur_38 Start: 35477, Stop: 36076, Start Num: 84
Candidate Starts for Lephleur_38:
(Start: 78 @35456 has 51 MA's), (Start: 84 @35477 has 463 MA's), (Start: 92 @35507 has 1 MA's), (98, 35528), (107, 35558), (108, 35561), (122, 35627), (136, 35678), (137, 35681), (138, 35684), (145, 35714), (148, 35735), (171, 35801), (179, 35831), (203, 35921), (205, 35924), (208, 35942), (211, 35966), (222, 36035), (229, 36062),

Gene: LestyG_36 Start: 34280, Stop: 34933, Start Num: 78
Candidate Starts for LestyG_36:
(Start: 78 @34280 has 51 MA's), (102, 34361), (107, 34385), (135, 34508), (170, 34634), (177, 34649), (189, 34724), (223, 34889), (224, 34892), (231, 34919),

Gene: LestyG_37 Start: 34930, Stop: 35529, Start Num: 84
Candidate Starts for LestyG_37:
(Start: 84 @34930 has 463 MA's), (Start: 92 @34960 has 1 MA's), (102, 34987), (119, 35074), (122, 35080), (140, 35143), (145, 35167), (148, 35188), (178, 35278), (198, 35362), (203, 35374), (213, 35434), (224, 35494), (229, 35515),

Gene: Ligma_30 Start: 28099, Stop: 28731, Start Num: 84
Candidate Starts for Ligma_30:
(34, 27922), (Start: 84 @28099 has 463 MA's), (Start: 92 @28132 has 1 MA's), (102, 28159), (122, 28252), (135, 28300), (138, 28309), (148, 28360), (169, 28423), (171, 28426), (185, 28489), (205, 28549), (207, 28558), (208, 28567), (227, 28705),

Gene: Ligma_29 Start: 27488, Stop: 28102, Start Num: 85
Candidate Starts for Ligma_29:
(39, 27338), (Start: 85 @27488 has 18 MA's), (90, 27503), (Start: 93 @27521 has 1 MA's), (104, 27557), (111, 27581), (117, 27620), (135, 27689), (136, 27692), (137, 27695), (168, 27797), (219, 28034), (222, 28055), (224, 28061), (233, 28091),

Gene: LilMcDreamy_33 Start: 34699, Stop: 35310, Start Num: 84
Candidate Starts for LilMcDreamy_33:
(Start: 84 @34699 has 463 MA's), (Start: 92 @34732 has 1 MA's), (102, 34759), (107, 34783), (119, 34846), (122, 34852), (136, 34903), (138, 34909), (148, 34960), (149, 34963), (181, 35071), (190, 35107), (196, 35128), (198, 35134), (205, 35149), (214, 35212), (229, 35296),

Gene: LilMcDreamy_31 Start: 33700, Stop: 34323, Start Num: 84
Candidate Starts for LilMcDreamy_31:
(Start: 84 @33700 has 463 MA's), (102, 33760), (104, 33775), (108, 33787), (132, 33904), (135, 33913), (138, 33922), (145, 33952), (168, 34021), (172, 34030), (195, 34138), (204, 34159), (226, 34291),

Gene: LilSmirk_36 Start: 34681, Stop: 35325, Start Num: 79

Candidate Starts for LilSmirk_36:
(32, 34516), (54, 34627), (Start: 79 @34681 has 48 MA's), (Start: 81 @34690 has 1 MA's), (102, 34759), (108, 34786), (110, 34795), (113, 34804), (136, 34912), (140, 34924), (168, 35017), (182, 35083), (186, 35104), (191, 35119), (193, 35125), (200, 35146), (206, 35158), (233, 35314),

Gene: LilSmirk_38 Start: 35471, Stop: 36070, Start Num: 84
Candidate Starts for LilSmirk_38:
(Start: 78 @35450 has 51 MA's), (Start: 84 @35471 has 463 MA's), (Start: 92 @35501 has 1 MA's), (98, 35522), (107, 35552), (108, 35555), (122, 35621), (136, 35672), (137, 35675), (138, 35678), (145, 35708), (148, 35729), (171, 35795), (179, 35825), (203, 35915), (205, 35918), (208, 35936), (211, 35960), (222, 36029), (229, 36056),

Gene: LittleDigger_32 Start: 33540, Stop: 34187, Start Num: 64
Candidate Starts for LittleDigger_32:
(Start: 64 @33540 has 28 MA's), (94, 33618), (97, 33630), (115, 33702), (124, 33726), (129, 33747), (130, 33756), (131, 33759), (134, 33768), (135, 33771), (146, 33816), (157, 33870), (164, 33888), (181, 33948), (185, 33960), (205, 34020), (209, 34044), (211, 34062), (225, 34149), (233, 34176),

Gene: LittleDigger_33 Start: 34184, Stop: 34789, Start Num: 84
Candidate Starts for LittleDigger_33:
(Start: 84 @34184 has 463 MA's), (Start: 92 @34220 has 1 MA's), (102, 34247), (107, 34271), (108, 34274), (119, 34334), (122, 34340), (134, 34385), (137, 34394), (138, 34397), (139, 34400), (145, 34427), (148, 34448), (179, 34544), (181, 34559), (198, 34622), (225, 34757), (229, 34775),

Gene: LittleMinkey_41 Start: 33865, Stop: 34509, Start Num: 82
Candidate Starts for LittleMinkey_41:
(49, 33775), (57, 33799), (62, 33817), (Start: 64 @33823 has 28 MA's), (Start: 82 @33865 has 112 MA's), (109, 33958), (112, 33970), (148, 34138), (162, 34192), (182, 34270), (226, 34474), (233, 34498),

Gene: LittleMinkey_42 Start: 34506, Stop: 35114, Start Num: 84
Candidate Starts for LittleMinkey_42:
(Start: 84 @34506 has 463 MA's), (Start: 88 @34512 has 2 MA's), (Start: 92 @34536 has 1 MA's), (119, 34650), (122, 34656), (138, 34713), (181, 34875), (203, 34950), (205, 34953), (207, 34962), (216, 35040), (225, 35082),

Gene: LittleMunchkin_31 Start: 30916, Stop: 31530, Start Num: 85
Candidate Starts for LittleMunchkin_31:
(Start: 85 @30916 has 18 MA's), (90, 30931), (Start: 93 @30949 has 1 MA's), (102, 30970), (104, 30985), (108, 30997), (127, 31084), (135, 31117), (136, 31120), (168, 31225), (172, 31234), (174, 31237), (178, 31258), (219, 31462), (222, 31483), (224, 31489), (233, 31519),

Gene: LittleMunchkin_32 Start: 31527, Stop: 32156, Start Num: 84
Candidate Starts for LittleMunchkin_32:
(Start: 84 @31527 has 463 MA's), (Start: 92 @31557 has 1 MA's), (102, 31584), (119, 31671), (122, 31677), (135, 31725), (148, 31785), (160, 31830), (169, 31848), (171, 31851), (187, 31926), (198, 31959), (207, 31983), (211, 32016), (227, 32130),

Gene: LizLemon_36 Start: 34803, Stop: 35447, Start Num: 79
Candidate Starts for LizLemon_36:
(32, 34638), (54, 34749), (Start: 79 @34803 has 48 MA's), (Start: 81 @34812 has 1 MA's), (102, 34881), (108, 34908), (110, 34917), (113, 34926), (132, 35022), (136, 35034), (140, 35046), (168, 35139), (182, 35205), (186, 35226), (191, 35241), (193, 35247), (200, 35268), (206, 35280), (233,

35436),

Gene: LizLemon_38 Start: 35593, Stop: 36192, Start Num: 84
Candidate Starts for LizLemon_38:
(Start: 78 @35572 has 51 MA's), (Start: 84 @35593 has 463 MA's), (Start: 92 @35623 has 1 MA's), (98, 35644), (107, 35674), (108, 35677), (122, 35743), (136, 35794), (137, 35797), (138, 35800), (145, 35830), (148, 35851), (171, 35917), (179, 35947), (203, 36037), (205, 36040), (208, 36058), (210, 36073), (211, 36082), (222, 36151), (229, 36178),

Gene: Lolalove_34 Start: 35187, Stop: 35792, Start Num: 84
Candidate Starts for Lolalove_34:
(Start: 84 @35187 has 463 MA's), (Start: 92 @35223 has 1 MA's), (107, 35274), (108, 35277), (119, 35337), (122, 35343), (134, 35388), (137, 35397), (138, 35400), (139, 35403), (145, 35430), (148, 35451), (155, 35481), (179, 35547), (181, 35562), (198, 35625), (211, 35682), (225, 35760), (229, 35778),

Gene: Lolalove_33 Start: 34543, Stop: 35190, Start Num: 64
Candidate Starts for Lolalove_33:
(Start: 64 @34543 has 28 MA's), (94, 34621), (97, 34633), (115, 34705), (124, 34729), (129, 34750), (130, 34759), (131, 34762), (134, 34771), (146, 34819), (157, 34873), (164, 34891), (181, 34951), (185, 34963), (205, 35023), (209, 35047), (211, 35065), (225, 35152), (233, 35179),

Gene: Longacauda_36 Start: 34696, Stop: 35295, Start Num: 84
Candidate Starts for Longacauda_36:
(26, 34489), (27, 34492), (34, 34516), (41, 34558), (44, 34576), (47, 34591), (Start: 84 @34696 has 463 MA's), (Start: 92 @34726 has 1 MA's), (95, 34738), (107, 34777), (111, 34792), (122, 34846), (134, 34891), (136, 34897), (138, 34903), (140, 34909), (148, 34954), (149, 34957), (155, 34984), (178, 35044), (181, 35065), (198, 35128), (205, 35143),

Gene: Longacauda_35 Start: 34052, Stop: 34699, Start Num: 83
Candidate Starts for Longacauda_35:
(69, 34013), (Start: 82 @34049 has 112 MA's), (Start: 83 @34052 has 196 MA's), (Start: 105 @34133 has 1 MA's), (136, 34268), (155, 34355), (172, 34400), (185, 34469), (186, 34478), (204, 34529), (211, 34574), (222, 34652), (231, 34685), (235, 34691),

Gene: Lopsy_36 Start: 34546, Stop: 35145, Start Num: 84
Candidate Starts for Lopsy_36:
(27, 34342), (34, 34366), (41, 34408), (44, 34426), (47, 34441), (Start: 84 @34546 has 463 MA's), (Start: 92 @34576 has 1 MA's), (95, 34588), (107, 34627), (111, 34642), (122, 34696), (134, 34741), (136, 34747), (138, 34753), (140, 34759), (148, 34804), (149, 34807), (155, 34834), (178, 34894), (181, 34915), (205, 34993),

Gene: Lopsy_35 Start: 33902, Stop: 34549, Start Num: 83
Candidate Starts for Lopsy_35:
(69, 33863), (Start: 82 @33899 has 112 MA's), (Start: 83 @33902 has 196 MA's), (Start: 105 @33983 has 1 MA's), (136, 34118), (155, 34205), (172, 34250), (186, 34328), (204, 34379), (209, 34406), (211, 34424), (222, 34502), (231, 34535), (235, 34541),

Gene: LostAndPhound_35 Start: 34053, Stop: 34700, Start Num: 83
Candidate Starts for LostAndPhound_35:
(69, 34014), (Start: 82 @34050 has 112 MA's), (Start: 83 @34053 has 196 MA's), (Start: 105 @34134 has 1 MA's), (136, 34269), (155, 34356), (172, 34401), (186, 34479), (204, 34530), (209, 34557), (211, 34575), (222, 34653), (231, 34686), (235, 34692),

Gene: LostAndPhound_36 Start: 34697, Stop: 35296, Start Num: 84
Candidate Starts for LostAndPhound_36:
(26, 34490), (27, 34493), (34, 34517), (41, 34559), (44, 34577), (47, 34592), (Start: 84 @34697 has 463 MA's), (Start: 92 @34727 has 1 MA's), (95, 34739), (107, 34778), (111, 34793), (122, 34847), (134, 34892), (136, 34898), (138, 34904), (140, 34910), (148, 34955), (149, 34958), (155, 34985), (178, 35045), (181, 35066), (205, 35144),

Gene: LuckyMarjie_36 Start: 34706, Stop: 35305, Start Num: 84
Candidate Starts for LuckyMarjie_36:
(27, 34502), (34, 34526), (41, 34568), (44, 34586), (47, 34601), (Start: 84 @34706 has 463 MA's), (Start: 92 @34736 has 1 MA's), (95, 34748), (107, 34787), (111, 34802), (122, 34856), (134, 34901), (136, 34907), (138, 34913), (140, 34919), (148, 34964), (149, 34967), (155, 34994), (178, 35054), (181, 35075), (205, 35153),

Gene: LuckyMarjie_35 Start: 34059, Stop: 34709, Start Num: 82
Candidate Starts for LuckyMarjie_35:
(69, 34023), (Start: 82 @34059 has 112 MA's), (Start: 83 @34062 has 196 MA's), (Start: 105 @34143 has 1 MA's), (136, 34278), (155, 34365), (172, 34410), (186, 34488), (204, 34539), (209, 34566), (211, 34584), (222, 34662), (231, 34695), (235, 34701),

Gene: Lulumae_35 Start: 34044, Stop: 34691, Start Num: 83
Candidate Starts for Lulumae_35:
(38, 33894), (69, 34005), (Start: 82 @34041 has 112 MA's), (Start: 83 @34044 has 196 MA's), (Start: 105 @34125 has 1 MA's), (136, 34260), (155, 34347), (172, 34392), (186, 34470), (204, 34521), (209, 34548), (211, 34566), (222, 34644), (231, 34677), (235, 34683),

Gene: Lulumae_36 Start: 34688, Stop: 35287, Start Num: 84
Candidate Starts for Lulumae_36:
(27, 34484), (34, 34508), (41, 34550), (44, 34568), (47, 34583), (Start: 84 @34688 has 463 MA's), (Start: 92 @34718 has 1 MA's), (95, 34730), (107, 34769), (111, 34784), (122, 34838), (134, 34883), (136, 34889), (138, 34895), (140, 34901), (148, 34946), (149, 34949), (155, 34976), (178, 35036), (181, 35057),

Gene: Lulwa_36 Start: 34331, Stop: 34978, Start Num: 83
Candidate Starts for Lulwa_36:
(38, 34181), (69, 34292), (Start: 82 @34328 has 112 MA's), (Start: 83 @34331 has 196 MA's), (Start: 105 @34412 has 1 MA's), (136, 34547), (155, 34634), (172, 34679), (186, 34757), (204, 34808), (209, 34835), (211, 34853), (222, 34931), (231, 34964), (235, 34970),

Gene: Lulwa_37 Start: 34975, Stop: 35574, Start Num: 84
Candidate Starts for Lulwa_37:
(27, 34771), (34, 34795), (41, 34837), (44, 34855), (47, 34870), (Start: 84 @34975 has 463 MA's), (Start: 92 @35005 has 1 MA's), (95, 35017), (107, 35056), (111, 35071), (122, 35125), (134, 35170), (136, 35176), (138, 35182), (140, 35188), (148, 35233), (149, 35236), (155, 35263), (178, 35323), (181, 35344), (205, 35422),

Gene: Lumine_35 Start: 34040, Stop: 34687, Start Num: 83
Candidate Starts for Lumine_35:
(69, 34001), (Start: 82 @34037 has 112 MA's), (Start: 83 @34040 has 196 MA's), (Start: 105 @34121 has 1 MA's), (136, 34256), (155, 34343), (172, 34388), (186, 34466), (204, 34517), (209, 34544), (211, 34562), (222, 34640), (231, 34673), (235, 34679),

Gene: Lumine_36 Start: 34684, Stop: 35283, Start Num: 84
Candidate Starts for Lumine_36:
(27, 34480), (34, 34504), (41, 34546), (44, 34564), (47, 34579), (Start: 84 @34684 has 463 MA's), (Start: 92 @34714 has 1 MA's), (95, 34726), (107, 34765), (111, 34780), (122, 34834), (134, 34879), (136, 34885), (138, 34891), (140, 34897), (148, 34942), (149, 34945), (155, 34972), (178, 35032), (181, 35053), (205, 35131),

Gene: MRabcd_36 Start: 34688, Stop: 35287, Start Num: 84
Candidate Starts for MRabcd_36:
(26, 34481), (27, 34484), (34, 34508), (41, 34550), (44, 34568), (47, 34583), (Start: 84 @34688 has 463 MA's), (Start: 92 @34718 has 1 MA's), (95, 34730), (107, 34769), (111, 34784), (122, 34838), (134, 34883), (136, 34889), (138, 34895), (140, 34901), (148, 34946), (149, 34949), (155, 34976), (178, 35036), (181, 35057), (205, 35135),

Gene: MRabcd_35 Start: 34044, Stop: 34691, Start Num: 83
Candidate Starts for MRabcd_35:
(69, 34005), (Start: 82 @34041 has 112 MA's), (Start: 83 @34044 has 196 MA's), (Start: 105 @34125 has 1 MA's), (136, 34260), (155, 34347), (172, 34392), (186, 34470), (204, 34521), (209, 34548), (211, 34566), (222, 34644), (231, 34677), (235, 34683),

Gene: Mag7_35 Start: 33950, Stop: 34597, Start Num: 83
Candidate Starts for Mag7_35:
(69, 33911), (Start: 82 @33947 has 112 MA's), (Start: 83 @33950 has 196 MA's), (Start: 105 @34031 has 1 MA's), (136, 34166), (155, 34253), (172, 34298), (185, 34367), (186, 34376), (204, 34427), (211, 34472), (222, 34550), (231, 34583), (235, 34589),

Gene: Mag7_36 Start: 34594, Stop: 35193, Start Num: 84
Candidate Starts for Mag7_36:
(26, 34387), (27, 34390), (34, 34414), (41, 34456), (44, 34474), (47, 34489), (Start: 84 @34594 has 463 MA's), (Start: 92 @34624 has 1 MA's), (95, 34636), (107, 34675), (111, 34690), (122, 34744), (134, 34789), (136, 34795), (138, 34801), (140, 34807), (148, 34852), (149, 34855), (155, 34882), (178, 34942), (181, 34963), (198, 35026), (205, 35041),

Gene: Magic8_37 Start: 35029, Stop: 35628, Start Num: 84
Candidate Starts for Magic8_37:
(27, 34825), (34, 34849), (41, 34891), (44, 34909), (47, 34924), (Start: 84 @35029 has 463 MA's), (Start: 92 @35059 has 1 MA's), (95, 35071), (107, 35110), (111, 35125), (122, 35179), (134, 35224), (136, 35230), (138, 35236), (140, 35242), (148, 35287), (149, 35290), (155, 35317), (178, 35377), (181, 35398), (198, 35461), (205, 35476),

Gene: Magic8_36 Start: 34382, Stop: 35032, Start Num: 82
Candidate Starts for Magic8_36:
(69, 34346), (Start: 82 @34382 has 112 MA's), (Start: 83 @34385 has 196 MA's), (Start: 105 @34466 has 1 MA's), (136, 34601), (155, 34688), (172, 34733), (186, 34811), (204, 34862), (209, 34889), (211, 34907), (222, 34985), (231, 35018), (235, 35024),

Gene: Magpie_32 Start: 34379, Stop: 35026, Start Num: 64
Candidate Starts for Magpie_32:
(Start: 64 @34379 has 28 MA's), (94, 34457), (97, 34469), (115, 34541), (124, 34565), (130, 34595), (131, 34598), (134, 34607), (146, 34655), (157, 34709), (164, 34727), (181, 34787), (185, 34799), (205, 34859), (209, 34883), (211, 34901), (225, 34988), (226, 34991), (233, 35015),

Gene: Magpie_33 Start: 35023, Stop: 35628, Start Num: 84

Candidate Starts for Magpie_33:
(Start: 84 @35023 has 463 MA's), (Start: 92 @35059 has 1 MA's), (102, 35086), (107, 35110), (108, 35113), (119, 35173), (122, 35179), (134, 35224), (137, 35233), (138, 35236), (139, 35239), (145, 35266), (148, 35287), (155, 35317), (179, 35383), (181, 35398), (198, 35461), (211, 35518), (225, 35596), (229, 35614),

Gene: MakoManhole_31 Start: 29477, Stop: 30088, Start Num: 86
Candidate Starts for MakoManhole_31:
(Start: 85 @29474 has 18 MA's), (Start: 86 @29477 has 5 MA's), (102, 29528), (104, 29543), (109, 29558), (111, 29567), (117, 29606), (123, 29627), (127, 29642), (135, 29675), (145, 29714), (146, 29717), (148, 29735), (170, 29789), (224, 30047), (233, 30077),

Gene: MakoManhole_32 Start: 30085, Stop: 30681, Start Num: 84
Candidate Starts for MakoManhole_32:
(34, 29908), (41, 29947), (42, 29956), (58, 30019), (60, 30031), (Start: 84 @30085 has 463 MA's), (Start: 92 @30115 has 1 MA's), (119, 30229), (122, 30235), (136, 30286), (138, 30292), (148, 30343), (149, 30346), (171, 30409), (177, 30421), (178, 30433), (187, 30484), (197, 30514), (205, 30532), (207, 30541), (229, 30667),

Gene: Mana_35 Start: 34056, Stop: 34706, Start Num: 82
Candidate Starts for Mana_35:
(69, 34020), (Start: 82 @34056 has 112 MA's), (Start: 83 @34059 has 196 MA's), (Start: 105 @34140 has 1 MA's), (136, 34275), (155, 34362), (172, 34407), (186, 34485), (204, 34536), (209, 34563), (211, 34581), (222, 34659), (231, 34692), (235, 34698),

Gene: Mana_36 Start: 34703, Stop: 35302, Start Num: 84
Candidate Starts for Mana_36:
(27, 34499), (34, 34523), (41, 34565), (44, 34583), (47, 34598), (Start: 84 @34703 has 463 MA's), (Start: 92 @34733 has 1 MA's), (95, 34745), (107, 34784), (111, 34799), (122, 34853), (134, 34898), (136, 34904), (138, 34910), (140, 34916), (148, 34961), (149, 34964), (155, 34991), (178, 35051), (181, 35072), (205, 35150),

Gene: Manad_35 Start: 33898, Stop: 34548, Start Num: 82
Candidate Starts for Manad_35:
(38, 33751), (69, 33862), (Start: 82 @33898 has 112 MA's), (Start: 83 @33901 has 196 MA's), (Start: 105 @33982 has 1 MA's), (136, 34117), (155, 34204), (172, 34249), (186, 34327), (204, 34378), (209, 34405), (211, 34423), (222, 34501), (231, 34534), (235, 34540),

Gene: Manad_36 Start: 34545, Stop: 35144, Start Num: 84
Candidate Starts for Manad_36:
(27, 34341), (34, 34365), (41, 34407), (44, 34425), (47, 34440), (Start: 84 @34545 has 463 MA's), (Start: 92 @34575 has 1 MA's), (95, 34587), (107, 34626), (111, 34641), (122, 34695), (134, 34740), (136, 34746), (138, 34752), (140, 34758), (148, 34803), (149, 34806), (155, 34833), (178, 34893), (181, 34914), (205, 34992),

Gene: Mao1_30 Start: 30794, Stop: 31438, Start Num: 79
Candidate Starts for Mao1_30:
(21, 30554), (54, 30728), (Start: 79 @30794 has 48 MA's), (98, 30866), (108, 30899), (110, 30908), (115, 30941), (118, 30959), (123, 30974), (132, 31013), (140, 31037), (148, 31082), (168, 31130), (170, 31136), (185, 31208), (186, 31217), (189, 31226), (200, 31259), (211, 31313), (231, 31424), (233, 31427),

Gene: Mao1_31 Start: 31435, Stop: 32034, Start Num: 84

Candidate Starts for Mao1_31:
(41, 31297), (44, 31315), (73, 31399), (Start: 84 @31435 has 463 MA's), (89, 31447), (Start: 92 @31465 has 1 MA's), (102, 31492), (119, 31579), (136, 31636), (138, 31642), (184, 31819), (198, 31867), (226, 32005), (229, 32020),

Gene: Mariokart_30 Start: 28038, Stop: 28670, Start Num: 84
Candidate Starts for Mariokart_30:
(2, 27489), (23, 27828), (34, 27861), (Start: 84 @28038 has 463 MA's), (Start: 92 @28071 has 1 MA's), (102, 28098), (114, 28164), (119, 28185), (122, 28191), (148, 28299), (171, 28365), (198, 28473), (207, 28497), (208, 28506), (210, 28521), (211, 28530),

Gene: Mariokart_29 Start: 27427, Stop: 28041, Start Num: 85
Candidate Starts for Mariokart_29:
(Start: 85 @27427 has 18 MA's), (Start: 93 @27460 has 1 MA's), (104, 27496), (111, 27520), (117, 27559), (135, 27628), (136, 27631), (146, 27670), (148, 27688), (155, 27718), (168, 27736), (174, 27748), (224, 28000), (233, 28030),

Gene: Marley1013_37 Start: 35708, Stop: 36307, Start Num: 84
Candidate Starts for Marley1013_37:
(Start: 84 @35708 has 463 MA's), (Start: 92 @35738 has 1 MA's), (102, 35765), (119, 35852), (122, 35858), (140, 35921), (145, 35945), (148, 35966), (178, 36056), (198, 36140), (203, 36152), (213, 36212), (224, 36272), (229, 36293),

Gene: Marley1013_36 Start: 35058, Stop: 35711, Start Num: 78
Candidate Starts for Marley1013_36:
(Start: 78 @35058 has 51 MA's), (102, 35139), (135, 35286), (170, 35412), (177, 35427), (189, 35502), (223, 35667), (231, 35697),

Gene: Marlia_36 Start: 34261, Stop: 34914, Start Num: 78
Candidate Starts for Marlia_36:
(Start: 78 @34261 has 51 MA's), (102, 34342), (107, 34366), (135, 34489), (170, 34615), (177, 34630), (189, 34705), (223, 34870), (231, 34900),

Gene: Marlia_37 Start: 34911, Stop: 35510, Start Num: 84
Candidate Starts for Marlia_37:
(Start: 84 @34911 has 463 MA's), (Start: 92 @34941 has 1 MA's), (102, 34968), (119, 35055), (122, 35061), (140, 35124), (145, 35148), (178, 35259), (198, 35343), (203, 35355), (213, 35415), (229, 35496),

Gene: Maru_35 Start: 34002, Stop: 34649, Start Num: 83
Candidate Starts for Maru_35:
(69, 33963), (Start: 82 @33999 has 112 MA's), (Start: 83 @34002 has 196 MA's), (Start: 105 @34083 has 1 MA's), (136, 34218), (155, 34305), (172, 34350), (186, 34428), (204, 34479), (209, 34506), (211, 34524), (222, 34602), (231, 34635), (235, 34641),

Gene: Maru_36 Start: 34646, Stop: 35245, Start Num: 84
Candidate Starts for Maru_36:
(27, 34442), (34, 34466), (41, 34508), (44, 34526), (47, 34541), (Start: 84 @34646 has 463 MA's), (Start: 92 @34676 has 1 MA's), (95, 34688), (107, 34727), (111, 34742), (122, 34796), (134, 34841), (136, 34847), (138, 34853), (140, 34859), (148, 34904), (149, 34907), (155, 34934), (178, 34994), (181, 35015), (205, 35093),

Gene: Mask_32 Start: 31428, Stop: 32027, Start Num: 84

Candidate Starts for Mask_32:
(60, 31374), (73, 31392), (Start: 84 @31428 has 463 MA's), (89, 31440), (Start: 92 @31458 has 1 MA's), (102, 31485), (107, 31509), (108, 31512), (119, 31572), (136, 31629), (138, 31635), (184, 31812), (198, 31860), (226, 31998), (229, 32013),

Gene: Mask_31 Start: 30787, Stop: 31431, Start Num: 79
Candidate Starts for Mask_31:
(21, 30547), (54, 30721), (Start: 79 @30787 has 48 MA's), (110, 30901), (115, 30934), (118, 30952), (123, 30967), (132, 31006), (140, 31030), (148, 31075), (150, 31081), (168, 31123), (170, 31129), (185, 31201), (186, 31210), (189, 31219), (200, 31252), (211, 31306), (231, 31417), (233, 31420),

Gene: Maskar_36 Start: 34543, Stop: 35142, Start Num: 84
Candidate Starts for Maskar_36:
(26, 34336), (27, 34339), (34, 34363), (41, 34405), (44, 34423), (47, 34438), (Start: 84 @34543 has 463 MA's), (Start: 92 @34573 has 1 MA's), (95, 34585), (107, 34624), (111, 34639), (122, 34693), (134, 34738), (136, 34744), (138, 34750), (140, 34756), (148, 34801), (149, 34804), (155, 34831), (178, 34891), (181, 34912), (198, 34975), (205, 34990),

Gene: Maskar_35 Start: 33899, Stop: 34546, Start Num: 83
Candidate Starts for Maskar_35:
(69, 33860), (Start: 82 @33896 has 112 MA's), (Start: 83 @33899 has 196 MA's), (Start: 105 @33980 has 1 MA's), (136, 34115), (155, 34202), (172, 34247), (185, 34316), (186, 34325), (204, 34376), (211, 34421), (222, 34499), (231, 34532), (235, 34538),

Gene: MasterPo_36 Start: 34690, Stop: 35334, Start Num: 79
Candidate Starts for MasterPo_36:
(32, 34525), (54, 34636), (Start: 79 @34690 has 48 MA's), (Start: 81 @34699 has 1 MA's), (102, 34768), (108, 34795), (110, 34804), (136, 34921), (140, 34933), (168, 35026), (182, 35092), (186, 35113), (191, 35128), (193, 35134), (200, 35155), (206, 35167), (233, 35323),

Gene: MasterPo_38 Start: 35480, Stop: 36079, Start Num: 84
Candidate Starts for MasterPo_38:
(Start: 78 @35459 has 51 MA's), (Start: 84 @35480 has 463 MA's), (Start: 92 @35510 has 1 MA's), (98, 35531), (107, 35561), (108, 35564), (122, 35630), (136, 35681), (137, 35684), (138, 35687), (145, 35717), (148, 35738), (171, 35804), (179, 35834), (203, 35924), (205, 35927), (208, 35945), (211, 35969), (222, 36038), (229, 36065),

Gene: Matalotodo_36 Start: 34345, Stop: 34992, Start Num: 83
Candidate Starts for Matalotodo_36:
(69, 34306), (Start: 82 @34342 has 112 MA's), (Start: 83 @34345 has 196 MA's), (Start: 105 @34426 has 1 MA's), (136, 34561), (155, 34648), (172, 34693), (186, 34771), (204, 34822), (209, 34849), (211, 34867), (222, 34945), (231, 34978), (235, 34984),

Gene: Matalotodo_37 Start: 34989, Stop: 35588, Start Num: 84
Candidate Starts for Matalotodo_37:
(27, 34785), (34, 34809), (41, 34851), (44, 34869), (47, 34884), (Start: 84 @34989 has 463 MA's), (Start: 92 @35019 has 1 MA's), (95, 35031), (107, 35070), (111, 35085), (122, 35139), (134, 35184), (136, 35190), (138, 35196), (140, 35202), (148, 35247), (149, 35250), (155, 35277), (178, 35337), (181, 35358), (205, 35436),

Gene: Mcshane_35 Start: 34042, Stop: 34689, Start Num: 83
Candidate Starts for Mcshane_35:

(69, 34003), (Start: 82 @34039 has 112 MA's), (Start: 83 @34042 has 196 MA's), (Start: 105 @34123 has 1 MA's), (136, 34258), (155, 34345), (172, 34390), (186, 34468), (204, 34519), (209, 34546), (211, 34564), (222, 34642), (231, 34675), (235, 34681),

Gene: Mcshane_36 Start: 34686, Stop: 35285, Start Num: 84
Candidate Starts for Mcshane_36:
(27, 34482), (34, 34506), (41, 34548), (44, 34566), (47, 34581), (Start: 84 @34686 has 463 MA's), (Start: 92 @34716 has 1 MA's), (95, 34728), (107, 34767), (111, 34782), (122, 34836), (134, 34881), (136, 34887), (138, 34893), (140, 34899), (148, 34944), (149, 34947), (155, 34974), (178, 35034), (181, 35055), (205, 35133),

Gene: Mecca_36 Start: 34689, Stop: 35288, Start Num: 84
Candidate Starts for Mecca_36:
(27, 34485), (34, 34509), (41, 34551), (44, 34569), (47, 34584), (Start: 84 @34689 has 463 MA's), (Start: 92 @34719 has 1 MA's), (95, 34731), (107, 34770), (111, 34785), (122, 34839), (134, 34884), (136, 34890), (138, 34896), (140, 34902), (148, 34947), (149, 34950), (155, 34977), (178, 35037), (181, 35058), (205, 35136),

Gene: Mecca_35 Start: 34045, Stop: 34692, Start Num: 83
Candidate Starts for Mecca_35:
(69, 34006), (Start: 82 @34042 has 112 MA's), (Start: 83 @34045 has 196 MA's), (Start: 105 @34126 has 1 MA's), (136, 34261), (155, 34348), (172, 34393), (186, 34471), (204, 34522), (209, 34549), (211, 34567), (222, 34645), (231, 34678), (235, 34684),

Gene: Megabear_28 Start: 31380, Stop: 32024, Start Num: 79
Candidate Starts for Megabear_28:
(Start: 79 @31380 has 48 MA's), (Start: 84 @31398 has 463 MA's), (101, 31455), (110, 31494), (113, 31503), (123, 31560), (136, 31611), (138, 31617), (140, 31623), (155, 31698), (172, 31725), (182, 31782), (185, 31794), (193, 31824), (211, 31899), (221, 31971),

Gene: Megabear_30 Start: 32174, Stop: 32773, Start Num: 84
Candidate Starts for Megabear_30:
(Start: 84 @32174 has 463 MA's), (Start: 92 @32204 has 1 MA's), (98, 32225), (102, 32231), (119, 32318), (122, 32324), (136, 32375), (140, 32387), (145, 32411), (148, 32432), (152, 32450), (158, 32468), (169, 32495), (209, 32645), (211, 32663), (224, 32738), (229, 32759),

Gene: Megamind20_37 Start: 34711, Stop: 35310, Start Num: 84
Candidate Starts for Megamind20_37:
(27, 34507), (34, 34531), (41, 34573), (44, 34591), (47, 34606), (Start: 84 @34711 has 463 MA's), (Start: 92 @34741 has 1 MA's), (95, 34753), (107, 34792), (111, 34807), (122, 34861), (134, 34906), (136, 34912), (138, 34918), (140, 34924), (148, 34969), (149, 34972), (155, 34999), (178, 35059), (181, 35080),

Gene: Megamind20_36 Start: 34067, Stop: 34714, Start Num: 83
Candidate Starts for Megamind20_36:
(38, 33917), (69, 34028), (Start: 82 @34064 has 112 MA's), (Start: 83 @34067 has 196 MA's), (Start: 105 @34148 has 1 MA's), (136, 34283), (155, 34370), (172, 34415), (186, 34493), (204, 34544), (209, 34571), (211, 34589), (222, 34667), (231, 34700), (235, 34706),

Gene: Megatron_37 Start: 34987, Stop: 35586, Start Num: 84
Candidate Starts for Megatron_37:
(27, 34783), (34, 34807), (41, 34849), (44, 34867), (47, 34882), (Start: 84 @34987 has 463 MA's), (Start: 92 @35017 has 1 MA's), (95, 35029), (107, 35068), (111, 35083), (122, 35137), (134, 35182),

(136, 35188), (138, 35194), (140, 35200), (148, 35245), (149, 35248), (155, 35275), (178, 35335), (181, 35356), (205, 35434),

Gene: Megatron_36 Start: 34340, Stop: 34990, Start Num: 82
Candidate Starts for Megatron_36:
(69, 34304), (Start: 82 @34340 has 112 MA's), (Start: 83 @34343 has 196 MA's), (Start: 105 @34424 has 1 MA's), (136, 34559), (155, 34646), (172, 34691), (186, 34769), (204, 34820), (209, 34847), (211, 34865), (222, 34943), (231, 34976), (235, 34982),

Gene: Melc17_36 Start: 34340, Stop: 34987, Start Num: 83
Candidate Starts for Melc17_36:
(69, 34301), (Start: 82 @34337 has 112 MA's), (Start: 83 @34340 has 196 MA's), (Start: 105 @34421 has 1 MA's), (136, 34556), (155, 34643), (172, 34688), (185, 34757), (186, 34766), (204, 34817), (211, 34862), (222, 34940), (231, 34973), (235, 34979),

Gene: Melc17_37 Start: 34984, Stop: 35583, Start Num: 84
Candidate Starts for Melc17_37:
(26, 34777), (27, 34780), (34, 34804), (41, 34846), (44, 34864), (47, 34879), (Start: 84 @34984 has 463 MA's), (Start: 92 @35014 has 1 MA's), (95, 35026), (107, 35065), (111, 35080), (122, 35134), (134, 35179), (136, 35185), (138, 35191), (140, 35197), (148, 35242), (149, 35245), (155, 35272), (181, 35353), (198, 35416), (205, 35431),

Gene: MelsMeow_35 Start: 33948, Stop: 34595, Start Num: 83
Candidate Starts for MelsMeow_35:
(69, 33909), (Start: 82 @33945 has 112 MA's), (Start: 83 @33948 has 196 MA's), (Start: 105 @34029 has 1 MA's), (136, 34164), (155, 34251), (172, 34296), (185, 34365), (186, 34374), (204, 34425), (211, 34470), (222, 34548), (231, 34581), (235, 34587),

Gene: MelsMeow_36 Start: 34592, Stop: 35191, Start Num: 84
Candidate Starts for MelsMeow_36:
(26, 34385), (27, 34388), (34, 34412), (41, 34454), (44, 34472), (47, 34487), (Start: 84 @34592 has 463 MA's), (Start: 92 @34622 has 1 MA's), (95, 34634), (107, 34673), (111, 34688), (122, 34742), (134, 34787), (136, 34793), (138, 34799), (140, 34805), (148, 34850), (149, 34853), (155, 34880), (181, 34961), (198, 35024), (205, 35039),

Gene: Mesh1_36 Start: 34354, Stop: 35004, Start Num: 82
Candidate Starts for Mesh1_36:
(69, 34318), (Start: 82 @34354 has 112 MA's), (Start: 83 @34357 has 196 MA's), (Start: 105 @34438 has 1 MA's), (136, 34573), (155, 34660), (172, 34705), (186, 34783), (204, 34834), (209, 34861), (211, 34879), (222, 34957), (231, 34990), (235, 34996),

Gene: Mesh1_37 Start: 35001, Stop: 35600, Start Num: 84
Candidate Starts for Mesh1_37:
(27, 34797), (34, 34821), (41, 34863), (44, 34881), (47, 34896), (Start: 84 @35001 has 463 MA's), (Start: 92 @35031 has 1 MA's), (95, 35043), (107, 35082), (111, 35097), (122, 35151), (134, 35196), (136, 35202), (138, 35208), (140, 35214), (148, 35259), (149, 35262), (155, 35289), (178, 35349), (181, 35370), (205, 35448),

Gene: Mesmerelda_36 Start: 34699, Stop: 35298, Start Num: 84
Candidate Starts for Mesmerelda_36:
(27, 34495), (34, 34519), (41, 34561), (44, 34579), (47, 34594), (Start: 84 @34699 has 463 MA's), (Start: 92 @34729 has 1 MA's), (95, 34741), (107, 34780), (111, 34795), (122, 34849), (134, 34894), (136, 34900), (138, 34906), (140, 34912), (148, 34957), (149, 34960), (155, 34987), (178, 35047),

(181, 35068), (205, 35146),

Gene: Mesmerelda_35 Start: 34052, Stop: 34702, Start Num: 82
Candidate Starts for Mesmerelda_35:
(69, 34016), (Start: 82 @34052 has 112 MA's), (Start: 83 @34055 has 196 MA's), (Start: 105 @34136 has 1 MA's), (136, 34271), (155, 34358), (172, 34403), (186, 34481), (204, 34532), (209, 34559), (211, 34577), (222, 34655), (231, 34688), (235, 34694),

Gene: MichaelPhcott_36 Start: 34591, Stop: 35190, Start Num: 84
Candidate Starts for MichaelPhcott_36:
(26, 34384), (27, 34387), (34, 34411), (41, 34453), (44, 34471), (47, 34486), (Start: 84 @34591 has 463 MA's), (Start: 92 @34621 has 1 MA's), (95, 34633), (107, 34672), (111, 34687), (122, 34741), (134, 34786), (136, 34792), (138, 34798), (140, 34804), (148, 34849), (149, 34852), (155, 34879), (178, 34939), (181, 34960), (198, 35023), (205, 35038),

Gene: MichaelPhcott_35 Start: 33944, Stop: 34594, Start Num: 82
Candidate Starts for MichaelPhcott_35:
(69, 33908), (Start: 82 @33944 has 112 MA's), (Start: 83 @33947 has 196 MA's), (Start: 105 @34028 has 1 MA's), (136, 34163), (155, 34250), (172, 34295), (185, 34364), (186, 34373), (204, 34424), (211, 34469), (222, 34547), (231, 34580), (235, 34586),

Gene: Mikota_37 Start: 34974, Stop: 35573, Start Num: 84
Candidate Starts for Mikota_37:
(27, 34770), (34, 34794), (41, 34836), (44, 34854), (47, 34869), (Start: 84 @34974 has 463 MA's), (Start: 92 @35004 has 1 MA's), (95, 35016), (107, 35055), (111, 35070), (112, 35073), (122, 35124), (134, 35169), (136, 35175), (138, 35181), (140, 35187), (148, 35232), (149, 35235), (155, 35262), (178, 35322), (181, 35343), (205, 35421),

Gene: Mikota_36 Start: 34330, Stop: 34977, Start Num: 83
Candidate Starts for Mikota_36:
(38, 34180), (69, 34291), (Start: 82 @34327 has 112 MA's), (Start: 83 @34330 has 196 MA's), (Start: 105 @34411 has 1 MA's), (136, 34546), (155, 34633), (172, 34678), (186, 34756), (204, 34807), (209, 34834), (211, 34852), (222, 34930), (231, 34963), (235, 34969),

Gene: MiniBoss_36 Start: 34336, Stop: 34983, Start Num: 83
Candidate Starts for MiniBoss_36:
(38, 34186), (69, 34297), (Start: 82 @34333 has 112 MA's), (Start: 83 @34336 has 196 MA's), (Start: 105 @34417 has 1 MA's), (136, 34552), (155, 34639), (172, 34684), (186, 34762), (204, 34813), (209, 34840), (211, 34858), (222, 34936), (231, 34969), (235, 34975),

Gene: MiniBoss_37 Start: 34980, Stop: 35579, Start Num: 84
Candidate Starts for MiniBoss_37:
(27, 34776), (34, 34800), (41, 34842), (44, 34860), (47, 34875), (Start: 84 @34980 has 463 MA's), (Start: 92 @35010 has 1 MA's), (95, 35022), (107, 35061), (111, 35076), (112, 35079), (122, 35130), (134, 35175), (136, 35181), (138, 35187), (140, 35193), (148, 35238), (149, 35241), (155, 35268), (178, 35328), (181, 35349), (205, 35427),

Gene: MitKao_36 Start: 34048, Stop: 34698, Start Num: 82
Candidate Starts for MitKao_36:
(69, 34012), (Start: 82 @34048 has 112 MA's), (Start: 83 @34051 has 196 MA's), (Start: 105 @34132 has 1 MA's), (136, 34267), (155, 34354), (172, 34399), (186, 34477), (204, 34528), (209, 34555), (211, 34573), (222, 34651), (231, 34684), (235, 34690),

Gene: MitKao_37 Start: 34695, Stop: 35294, Start Num: 84
Candidate Starts for MitKao_37:
(26, 34488), (27, 34491), (34, 34515), (41, 34557), (44, 34575), (47, 34590), (Start: 84 @34695 has 463 MA's), (Start: 92 @34725 has 1 MA's), (95, 34737), (107, 34776), (111, 34791), (122, 34845), (134, 34890), (136, 34896), (138, 34902), (140, 34908), (148, 34953), (149, 34956), (155, 34983), (178, 35043), (181, 35064), (205, 35142),

Gene: Mithril_33 Start: 34547, Stop: 35194, Start Num: 64
Candidate Starts for Mithril_33:
(Start: 64 @34547 has 28 MA's), (94, 34625), (97, 34637), (115, 34709), (130, 34763), (131, 34766), (134, 34775), (146, 34823), (157, 34877), (164, 34895), (181, 34955), (185, 34967), (209, 35051), (211, 35069), (225, 35156), (226, 35159), (233, 35183),

Gene: Mithril_34 Start: 35191, Stop: 35796, Start Num: 84
Candidate Starts for Mithril_34:
(Start: 84 @35191 has 463 MA's), (Start: 92 @35227 has 1 MA's), (102, 35254), (107, 35278), (108, 35281), (119, 35341), (122, 35347), (134, 35392), (137, 35401), (138, 35404), (139, 35407), (145, 35434), (148, 35455), (155, 35485), (179, 35551), (181, 35566), (198, 35629), (211, 35686), (225, 35764), (229, 35782),

Gene: MmasiCarm_37 Start: 34912, Stop: 35511, Start Num: 84
Candidate Starts for MmasiCarm_37:
(Start: 84 @34912 has 463 MA's), (Start: 92 @34942 has 1 MA's), (102, 34969), (119, 35056), (122, 35062), (140, 35125), (145, 35149), (148, 35170), (178, 35260), (198, 35344), (203, 35356), (213, 35416), (224, 35476), (229, 35497),

Gene: MmasiCarm_36 Start: 34262, Stop: 34915, Start Num: 78
Candidate Starts for MmasiCarm_36:
(Start: 78 @34262 has 51 MA's), (102, 34343), (135, 34490), (170, 34616), (177, 34631), (189, 34706), (223, 34871), (224, 34874), (231, 34901),

Gene: Morgushi_36 Start: 34052, Stop: 34699, Start Num: 83
Candidate Starts for Morgushi_36:
(69, 34013), (Start: 82 @34049 has 112 MA's), (Start: 83 @34052 has 196 MA's), (Start: 105 @34133 has 1 MA's), (136, 34268), (155, 34355), (172, 34400), (186, 34478), (204, 34529), (209, 34556), (211, 34574), (222, 34652), (231, 34685), (235, 34691),

Gene: Morgushi_37 Start: 34696, Stop: 35295, Start Num: 84
Candidate Starts for Morgushi_37:
(27, 34492), (34, 34516), (41, 34558), (44, 34576), (47, 34591), (Start: 84 @34696 has 463 MA's), (Start: 92 @34726 has 1 MA's), (95, 34738), (107, 34777), (111, 34792), (122, 34846), (134, 34891), (136, 34897), (138, 34903), (140, 34909), (148, 34954), (149, 34957), (155, 34984), (178, 35044), (181, 35065), (205, 35143),

Gene: Mortcellus_36 Start: 35564, Stop: 36163, Start Num: 84
Candidate Starts for Mortcellus_36:
(Start: 84 @35564 has 463 MA's), (Start: 92 @35594 has 1 MA's), (102, 35621), (119, 35708), (122, 35714), (140, 35777), (145, 35801), (148, 35822), (178, 35912), (198, 35996), (203, 36008), (213, 36068), (224, 36128), (229, 36149),

Gene: Mortcellus_35 Start: 34914, Stop: 35567, Start Num: 78
Candidate Starts for Mortcellus_35:

(Start: 78 @34914 has 51 MA's), (102, 34995), (107, 35019), (135, 35142), (170, 35268), (177, 35283), (189, 35358), (223, 35523), (231, 35553),

Gene: Morty_36 Start: 34352, Stop: 34999, Start Num: 83
Candidate Starts for Morty_36:
(69, 34313), (Start: 82 @34349 has 112 MA's), (Start: 83 @34352 has 196 MA's), (Start: 105 @34433 has 1 MA's), (136, 34568), (155, 34655), (172, 34700), (186, 34778), (204, 34829), (209, 34856), (211, 34874), (222, 34952), (231, 34985), (235, 34991),

Gene: Morty_37 Start: 34996, Stop: 35595, Start Num: 84
Candidate Starts for Morty_37:
(27, 34792), (34, 34816), (41, 34858), (44, 34876), (47, 34891), (Start: 84 @34996 has 463 MA's), (Start: 92 @35026 has 1 MA's), (95, 35038), (107, 35077), (111, 35092), (122, 35146), (134, 35191), (136, 35197), (138, 35203), (140, 35209), (148, 35254), (149, 35257), (155, 35284), (178, 35344), (181, 35365), (205, 35443),

Gene: Morty007_36 Start: 35058, Stop: 35711, Start Num: 78
Candidate Starts for Morty007_36:
(Start: 78 @35058 has 51 MA's), (102, 35139), (135, 35286), (170, 35412), (177, 35427), (189, 35502), (223, 35667), (231, 35697),

Gene: Morty007_37 Start: 35708, Stop: 36307, Start Num: 84
Candidate Starts for Morty007_37:
(Start: 84 @35708 has 463 MA's), (Start: 92 @35738 has 1 MA's), (102, 35765), (119, 35852), (122, 35858), (140, 35921), (145, 35945), (148, 35966), (178, 36056), (198, 36140), (203, 36152), (213, 36212), (224, 36272), (229, 36293),

Gene: Mosaic_35 Start: 34054, Stop: 34704, Start Num: 82
Candidate Starts for Mosaic_35:
(69, 34018), (Start: 82 @34054 has 112 MA's), (Start: 83 @34057 has 196 MA's), (Start: 105 @34138 has 1 MA's), (136, 34273), (155, 34360), (172, 34405), (186, 34483), (204, 34534), (209, 34561), (211, 34579), (222, 34657), (231, 34690), (235, 34696),

Gene: Mosaic_36 Start: 34701, Stop: 35300, Start Num: 84
Candidate Starts for Mosaic_36:
(26, 34494), (27, 34497), (34, 34521), (41, 34563), (44, 34581), (47, 34596), (Start: 84 @34701 has 463 MA's), (Start: 92 @34731 has 1 MA's), (95, 34743), (107, 34782), (111, 34797), (122, 34851), (134, 34896), (136, 34902), (138, 34908), (140, 34914), (148, 34959), (149, 34962), (155, 34989), (178, 35049), (181, 35070), (205, 35148),

Gene: MossRose_32 Start: 30064, Stop: 30660, Start Num: 84
Candidate Starts for MossRose_32:
(34, 29887), (41, 29926), (42, 29935), (58, 29998), (60, 30010), (Start: 84 @30064 has 463 MA's), (Start: 92 @30094 has 1 MA's), (119, 30208), (122, 30214), (136, 30265), (138, 30271), (148, 30322), (149, 30325), (171, 30388), (177, 30400), (178, 30412), (187, 30463), (197, 30493), (205, 30511), (207, 30520), (229, 30646),

Gene: MossRose_31 Start: 29456, Stop: 30067, Start Num: 86
Candidate Starts for MossRose_31:
(Start: 85 @29453 has 18 MA's), (Start: 86 @29456 has 5 MA's), (104, 29522), (109, 29537), (111, 29546), (117, 29585), (123, 29606), (127, 29621), (135, 29654), (145, 29693), (146, 29696), (148, 29714), (170, 29768), (224, 30026), (233, 30056),

Gene: MrPhizzler_37 Start: 34704, Stop: 35303, Start Num: 84
Candidate Starts for MrPhizzler_37:
(26, 34497), (27, 34500), (34, 34524), (41, 34566), (44, 34584), (47, 34599), (Start: 84 @34704 has 463 MA's), (Start: 92 @34734 has 1 MA's), (95, 34746), (107, 34785), (111, 34800), (122, 34854), (134, 34899), (136, 34905), (138, 34911), (140, 34917), (148, 34962), (149, 34965), (155, 34992), (178, 35052), (181, 35073), (198, 35136), (205, 35151),

Gene: MrPhizzler_36 Start: 34060, Stop: 34707, Start Num: 83
Candidate Starts for MrPhizzler_36:
(69, 34021), (Start: 82 @34057 has 112 MA's), (Start: 83 @34060 has 196 MA's), (Start: 105 @34141 has 1 MA's), (136, 34276), (155, 34363), (172, 34408), (185, 34477), (186, 34486), (204, 34537), (211, 34582), (222, 34660), (231, 34693), (235, 34699),

Gene: Mudslide_34 Start: 35423, Stop: 36028, Start Num: 84
Candidate Starts for Mudslide_34:
(Start: 84 @35423 has 463 MA's), (Start: 92 @35459 has 1 MA's), (102, 35486), (107, 35510), (108, 35513), (119, 35573), (122, 35579), (134, 35624), (137, 35633), (138, 35636), (139, 35639), (145, 35666), (148, 35687), (155, 35717), (179, 35783), (181, 35798), (198, 35861), (211, 35918), (225, 35996), (229, 36014),

Gene: Mudslide_33 Start: 34779, Stop: 35426, Start Num: 64
Candidate Starts for Mudslide_33:
(Start: 64 @34779 has 28 MA's), (94, 34857), (97, 34869), (115, 34941), (124, 34965), (130, 34995), (131, 34998), (134, 35007), (146, 35055), (157, 35109), (164, 35127), (181, 35187), (185, 35199), (205, 35259), (209, 35283), (211, 35301), (225, 35388), (226, 35391), (233, 35415),

Gene: Mulan_35 Start: 34069, Stop: 34716, Start Num: 83
Candidate Starts for Mulan_35:
(69, 34030), (Start: 82 @34066 has 112 MA's), (Start: 83 @34069 has 196 MA's), (Start: 105 @34150 has 1 MA's), (136, 34285), (155, 34372), (172, 34417), (186, 34495), (204, 34546), (209, 34573), (211, 34591), (222, 34669), (231, 34702), (235, 34708),

Gene: Mulan_36 Start: 34713, Stop: 35312, Start Num: 84
Candidate Starts for Mulan_36:
(26, 34506), (27, 34509), (34, 34533), (41, 34575), (44, 34593), (47, 34608), (Start: 84 @34713 has 463 MA's), (Start: 92 @34743 has 1 MA's), (95, 34755), (107, 34794), (111, 34809), (122, 34863), (134, 34908), (136, 34914), (138, 34920), (140, 34926), (148, 34971), (149, 34974), (155, 35001), (178, 35061), (181, 35082), (205, 35160),

Gene: Mulaychimus_37 Start: 34894, Stop: 35493, Start Num: 84
Candidate Starts for Mulaychimus_37:
(Start: 84 @34894 has 463 MA's), (Start: 92 @34924 has 1 MA's), (102, 34951), (119, 35038), (122, 35044), (140, 35107), (145, 35131), (148, 35152), (178, 35242), (198, 35326), (203, 35338), (213, 35398), (224, 35458), (229, 35479),

Gene: Mulaychimus_36 Start: 34244, Stop: 34897, Start Num: 78
Candidate Starts for Mulaychimus_36:
(Start: 78 @34244 has 51 MA's), (102, 34325), (107, 34349), (135, 34472), (170, 34598), (177, 34613), (189, 34688), (223, 34853), (231, 34883),

Gene: Murdoc_37 Start: 34988, Stop: 35587, Start Num: 84
Candidate Starts for Murdoc_37:

(27, 34784), (34, 34808), (41, 34850), (44, 34868), (47, 34883), (Start: 84 @34988 has 463 MA's), (Start: 92 @35018 has 1 MA's), (95, 35030), (107, 35069), (111, 35084), (122, 35138), (134, 35183), (136, 35189), (138, 35195), (140, 35201), (148, 35246), (149, 35249), (155, 35276), (178, 35336), (181, 35357), (205, 35435),

Gene: Murdoc_36 Start: 34341, Stop: 34991, Start Num: 82
Candidate Starts for Murdoc_36:
(69, 34305), (Start: 82 @34341 has 112 MA's), (Start: 83 @34344 has 196 MA's), (Start: 105 @34425 has 1 MA's), (136, 34560), (155, 34647), (172, 34692), (186, 34770), (204, 34821), (209, 34848), (211, 34866), (222, 34944), (231, 34977), (235, 34983),

Gene: Mutante_35 Start: 34051, Stop: 34698, Start Num: 83
Candidate Starts for Mutante_35:
(69, 34012), (Start: 82 @34048 has 112 MA's), (Start: 83 @34051 has 196 MA's), (Start: 105 @34132 has 1 MA's), (136, 34267), (155, 34354), (172, 34399), (186, 34477), (204, 34528), (209, 34555), (211, 34573), (222, 34651), (231, 34684), (235, 34690),

Gene: Mutante_36 Start: 34695, Stop: 35294, Start Num: 84
Candidate Starts for Mutante_36:
(27, 34491), (34, 34515), (41, 34557), (44, 34575), (47, 34590), (Start: 84 @34695 has 463 MA's), (Start: 92 @34725 has 1 MA's), (95, 34737), (107, 34776), (111, 34791), (122, 34845), (134, 34890), (136, 34896), (138, 34902), (140, 34908), (148, 34953), (149, 34956), (155, 34983), (178, 35043), (181, 35064), (205, 35142),

Gene: Mysterious_36 Start: 35860, Stop: 36471, Start Num: 84
Candidate Starts for Mysterious_36:
(34, 35683), (44, 35740), (47, 35755), (Start: 84 @35860 has 463 MA's), (Start: 92 @35893 has 1 MA's), (107, 35944), (119, 36007), (122, 36013), (136, 36064), (138, 36070), (140, 36076), (149, 36124), (196, 36289), (198, 36295), (205, 36310), (225, 36439), (229, 36457),

Gene: Mysterious_35 Start: 35234, Stop: 35863, Start Num: 82
Candidate Starts for Mysterious_35:
(Start: 82 @35234 has 112 MA's), (96, 35288), (108, 35324), (118, 35384), (124, 35405), (132, 35441), (135, 35450), (136, 35453), (138, 35459), (148, 35510), (168, 35558), (170, 35564), (211, 35738), (227, 35831), (233, 35852),

Gene: NHagos_29 Start: 27986, Stop: 28600, Start Num: 85
Candidate Starts for NHagos_29:
(Start: 85 @27986 has 18 MA's), (110, 28076), (111, 28079), (117, 28118), (123, 28139), (135, 28187), (136, 28190), (168, 28295), (206, 28433), (224, 28559), (233, 28589),

Gene: NHagos_30 Start: 28597, Stop: 29193, Start Num: 84
Candidate Starts for NHagos_30:
(34, 28420), (60, 28543), (Start: 84 @28597 has 463 MA's), (Start: 92 @28627 has 1 MA's), (102, 28654), (108, 28681), (119, 28741), (122, 28747), (135, 28795), (136, 28798), (138, 28804), (149, 28858), (158, 28891), (171, 28921), (181, 28966), (198, 29029), (201, 29035), (205, 29044), (207, 29053), (229, 29179),

Gene: Nacho_0036 Start: 34343, Stop: 34993, Start Num: 82
Candidate Starts for Nacho_0036:
(38, 34196), (69, 34307), (Start: 82 @34343 has 112 MA's), (Start: 83 @34346 has 196 MA's), (Start: 105 @34427 has 1 MA's), (136, 34562), (155, 34649), (172, 34694), (186, 34772), (204, 34823), (209, 34850), (211, 34868), (222, 34946), (231, 34979), (235, 34985),

Gene: Nacho_0037 Start: 34990, Stop: 35589, Start Num: 84
Candidate Starts for Nacho_0037:
(27, 34786), (34, 34810), (41, 34852), (44, 34870), (47, 34885), (Start: 84 @34990 has 463 MA's), (Start: 92 @35020 has 1 MA's), (95, 35032), (107, 35071), (111, 35086), (122, 35140), (134, 35185), (136, 35191), (138, 35197), (140, 35203), (148, 35248), (149, 35251), (155, 35278), (178, 35338), (181, 35359), (205, 35437),

Gene: Nanao_32 Start: 33505, Stop: 34152, Start Num: 64
Candidate Starts for Nanao_32:
(Start: 64 @33505 has 28 MA's), (94, 33583), (97, 33595), (115, 33667), (124, 33691), (129, 33712), (130, 33721), (131, 33724), (134, 33733), (135, 33736), (146, 33781), (157, 33835), (164, 33853), (181, 33913), (185, 33925), (205, 33985), (209, 34009), (211, 34027), (225, 34114), (233, 34141),

Gene: Nanao_33 Start: 34149, Stop: 34754, Start Num: 84
Candidate Starts for Nanao_33:
(Start: 84 @34149 has 463 MA's), (Start: 92 @34185 has 1 MA's), (107, 34236), (108, 34239), (119, 34299), (122, 34305), (134, 34350), (137, 34359), (138, 34362), (139, 34365), (145, 34392), (155, 34443), (179, 34509), (181, 34524), (198, 34587), (211, 34644), (225, 34722), (229, 34740),

Gene: Nangang_35 Start: 34921, Stop: 35550, Start Num: 82
Candidate Starts for Nangang_35:
(Start: 82 @34921 has 112 MA's), (104, 34999), (108, 35011), (135, 35137), (138, 35146), (140, 35152), (148, 35197), (168, 35245), (170, 35251), (211, 35425), (233, 35539),

Gene: Nangang_36 Start: 35615, Stop: 36268, Start Num: 70
Candidate Starts for Nangang_36:
(51, 35564), (53, 35570), (61, 35600), (65, 35609), (70, 35615), (Start: 84 @35657 has 463 MA's), (Start: 92 @35690 has 1 MA's), (107, 35741), (119, 35804), (122, 35810), (136, 35861), (138, 35867), (140, 35873), (149, 35921), (196, 36086), (198, 36092), (216, 36194), (225, 36236), (229, 36254),

Gene: Nathan_36 Start: 34382, Stop: 35029, Start Num: 83
Candidate Starts for Nathan_36:
(69, 34343), (Start: 82 @34379 has 112 MA's), (Start: 83 @34382 has 196 MA's), (Start: 105 @34463 has 1 MA's), (136, 34598), (155, 34685), (172, 34730), (186, 34808), (204, 34859), (209, 34886), (211, 34904), (222, 34982), (231, 35015), (235, 35021),

Gene: Nathan_37 Start: 35026, Stop: 35625, Start Num: 84
Candidate Starts for Nathan_37:
(27, 34822), (34, 34846), (41, 34888), (44, 34906), (47, 34921), (Start: 84 @35026 has 463 MA's), (Start: 92 @35056 has 1 MA's), (95, 35068), (107, 35107), (111, 35122), (122, 35176), (134, 35221), (136, 35227), (138, 35233), (140, 35239), (148, 35284), (149, 35287), (155, 35314), (178, 35374), (181, 35395), (205, 35473),

Gene: Nehemiah_34 Start: 35234, Stop: 35863, Start Num: 82
Candidate Starts for Nehemiah_34:
(Start: 82 @35234 has 112 MA's), (96, 35288), (108, 35324), (118, 35384), (124, 35405), (132, 35441), (135, 35450), (136, 35453), (138, 35459), (148, 35510), (168, 35558), (170, 35564), (211, 35738), (227, 35831), (233, 35852),

Gene: Nehemiah_36 Start: 35860, Stop: 36471, Start Num: 84
Candidate Starts for Nehemiah_36:

(34, 35683), (44, 35740), (47, 35755), (Start: 84 @35860 has 463 MA's), (Start: 92 @35893 has 1 MA's), (107, 35944), (119, 36007), (122, 36013), (136, 36064), (138, 36070), (140, 36076), (149, 36124), (196, 36289), (198, 36295), (205, 36310), (225, 36439), (229, 36457),

Gene: Neos5_37 Start: 35727, Stop: 36326, Start Num: 84
Candidate Starts for Neos5_37:
(Start: 84 @35727 has 463 MA's), (Start: 92 @35757 has 1 MA's), (102, 35784), (119, 35871), (122, 35877), (140, 35940), (145, 35964), (148, 35985), (178, 36075), (198, 36159), (203, 36171), (213, 36231), (229, 36312),

Gene: Neos5_36 Start: 35077, Stop: 35730, Start Num: 78
Candidate Starts for Neos5_36:
(Start: 78 @35077 has 51 MA's), (102, 35158), (107, 35182), (135, 35305), (170, 35431), (177, 35446), (189, 35521), (223, 35686), (224, 35689), (231, 35716),

Gene: Newman_36 Start: 34343, Stop: 34990, Start Num: 83
Candidate Starts for Newman_36:
(69, 34304), (Start: 82 @34340 has 112 MA's), (Start: 83 @34343 has 196 MA's), (Start: 105 @34424 has 1 MA's), (136, 34559), (155, 34646), (172, 34691), (186, 34769), (204, 34820), (209, 34847), (211, 34865), (222, 34943), (231, 34976), (235, 34982),

Gene: Newman_37 Start: 34987, Stop: 35586, Start Num: 84
Candidate Starts for Newman_37:
(26, 34780), (27, 34783), (34, 34807), (41, 34849), (44, 34867), (47, 34882), (Start: 84 @34987 has 463 MA's), (Start: 92 @35017 has 1 MA's), (95, 35029), (107, 35068), (111, 35083), (122, 35137), (134, 35182), (136, 35188), (138, 35194), (140, 35200), (148, 35245), (149, 35248), (155, 35275), (178, 35335), (181, 35356), (205, 35434),

Gene: NiaNia_37 Start: 34074, Stop: 34721, Start Num: 83
Candidate Starts for NiaNia_37:
(69, 34035), (Start: 82 @34071 has 112 MA's), (Start: 83 @34074 has 196 MA's), (Start: 105 @34155 has 1 MA's), (136, 34290), (155, 34377), (172, 34422), (186, 34500), (204, 34551), (209, 34578), (211, 34596), (222, 34674), (231, 34707), (235, 34713),

Gene: NiaNia_38 Start: 34718, Stop: 35317, Start Num: 84
Candidate Starts for NiaNia_38:
(27, 34514), (34, 34538), (41, 34580), (44, 34598), (47, 34613), (Start: 84 @34718 has 463 MA's), (Start: 92 @34748 has 1 MA's), (95, 34760), (107, 34799), (111, 34814), (122, 34868), (134, 34913), (136, 34919), (138, 34925), (140, 34931), (148, 34976), (149, 34979), (155, 35006), (178, 35066), (181, 35087), (205, 35165),

Gene: Nicole21_37 Start: 34985, Stop: 35584, Start Num: 84
Candidate Starts for Nicole21_37:
(27, 34781), (34, 34805), (41, 34847), (44, 34865), (47, 34880), (Start: 84 @34985 has 463 MA's), (Start: 92 @35015 has 1 MA's), (95, 35027), (107, 35066), (111, 35081), (122, 35135), (134, 35180), (136, 35186), (138, 35192), (140, 35198), (148, 35243), (149, 35246), (155, 35273), (178, 35333), (181, 35354), (198, 35417), (205, 35432),

Gene: Nicole21_36 Start: 34338, Stop: 34988, Start Num: 82
Candidate Starts for Nicole21_36:
(69, 34302), (Start: 82 @34338 has 112 MA's), (Start: 83 @34341 has 196 MA's), (Start: 105 @34422 has 1 MA's), (136, 34557), (155, 34644), (172, 34689), (186, 34767), (204, 34818), (209, 34845), (211, 34863), (222, 34941), (231, 34974), (235, 34980),

Gene: Nigel_32 Start: 34065, Stop: 34670, Start Num: 84
Candidate Starts for Nigel_32:
(Start: 84 @34065 has 463 MA's), (Start: 92 @34101 has 1 MA's), (102, 34128), (104, 34143), (107, 34152), (122, 34221), (134, 34266), (136, 34272), (138, 34278), (145, 34308), (148, 34329), (178, 34419), (179, 34425), (181, 34440), (225, 34638), (229, 34656), (234, 34665),

Gene: Nigel_31 Start: 33421, Stop: 34068, Start Num: 64
Candidate Starts for Nigel_31:
(Start: 64 @33421 has 28 MA's), (94, 33499), (97, 33511), (115, 33583), (124, 33607), (129, 33628), (130, 33637), (131, 33640), (133, 33646), (134, 33649), (146, 33697), (157, 33751), (164, 33769), (181, 33829), (185, 33841), (209, 33925), (211, 33943), (225, 34030), (233, 34057),

Gene: Nova1_35 Start: 34000, Stop: 34647, Start Num: 83
Candidate Starts for Nova1_35:
(69, 33961), (Start: 82 @33997 has 112 MA's), (Start: 83 @34000 has 196 MA's), (Start: 105 @34081 has 1 MA's), (136, 34216), (155, 34303), (172, 34348), (186, 34426), (204, 34477), (209, 34504), (211, 34522), (222, 34600), (231, 34633), (235, 34639),

Gene: Nova1_36 Start: 34644, Stop: 35243, Start Num: 84
Candidate Starts for Nova1_36:
(26, 34437), (27, 34440), (34, 34464), (41, 34506), (44, 34524), (47, 34539), (Start: 84 @34644 has 463 MA's), (Start: 92 @34674 has 1 MA's), (95, 34686), (107, 34725), (111, 34740), (122, 34794), (134, 34839), (136, 34845), (138, 34851), (140, 34857), (148, 34902), (149, 34905), (155, 34932), (178, 34992), (181, 35013), (198, 35076), (205, 35091),

Gene: Nozo_37 Start: 35688, Stop: 36287, Start Num: 84
Candidate Starts for Nozo_37:
(Start: 84 @35688 has 463 MA's), (Start: 92 @35718 has 1 MA's), (102, 35745), (119, 35832), (122, 35838), (140, 35901), (145, 35925), (148, 35946), (178, 36036), (198, 36120), (203, 36132), (213, 36192), (229, 36273),

Gene: Nozo_36 Start: 35038, Stop: 35691, Start Num: 78
Candidate Starts for Nozo_36:
(Start: 78 @35038 has 51 MA's), (102, 35119), (107, 35143), (135, 35266), (170, 35392), (177, 35407), (189, 35482), (223, 35647), (224, 35650), (231, 35677),

Gene: Numberten_37 Start: 34994, Stop: 35593, Start Num: 84
Candidate Starts for Numberten_37:
(27, 34790), (34, 34814), (41, 34856), (44, 34874), (47, 34889), (Start: 84 @34994 has 463 MA's), (Start: 92 @35024 has 1 MA's), (95, 35036), (107, 35075), (111, 35090), (122, 35144), (134, 35189), (136, 35195), (138, 35201), (140, 35207), (148, 35252), (149, 35255), (155, 35282), (178, 35342), (181, 35363), (205, 35441),

Gene: Numberten_36 Start: 34350, Stop: 34997, Start Num: 83
Candidate Starts for Numberten_36:
(38, 34200), (69, 34311), (Start: 82 @34347 has 112 MA's), (Start: 83 @34350 has 196 MA's), (Start: 105 @34431 has 1 MA's), (136, 34566), (155, 34653), (172, 34698), (186, 34776), (204, 34827), (209, 34854), (211, 34872), (222, 34950), (231, 34983), (235, 34989),

Gene: Nyala_36 Start: 34687, Stop: 35286, Start Num: 84
Candidate Starts for Nyala_36:

(27, 34483), (34, 34507), (41, 34549), (44, 34567), (47, 34582), (Start: 84 @34687 has 463 MA's), (Start: 92 @34717 has 1 MA's), (95, 34729), (107, 34768), (111, 34783), (122, 34837), (134, 34882), (136, 34888), (138, 34894), (140, 34900), (148, 34945), (149, 34948), (155, 34975), (178, 35035), (181, 35056), (205, 35134),

Gene: Nyala_35 Start: 34043, Stop: 34690, Start Num: 83
Candidate Starts for Nyala_35:
(38, 33893), (69, 34004), (Start: 82 @34040 has 112 MA's), (Start: 83 @34043 has 196 MA's), (Start: 105 @34124 has 1 MA's), (136, 34259), (155, 34346), (172, 34391), (186, 34469), (204, 34520), (209, 34547), (211, 34565), (222, 34643), (231, 34676), (235, 34682),

Gene: OSmaximus_37 Start: 35029, Stop: 35628, Start Num: 84
Candidate Starts for OSmaximus_37:
(27, 34825), (34, 34849), (41, 34891), (44, 34909), (47, 34924), (Start: 84 @35029 has 463 MA's), (Start: 92 @35059 has 1 MA's), (95, 35071), (107, 35110), (111, 35125), (122, 35179), (134, 35224), (136, 35230), (138, 35236), (140, 35242), (148, 35287), (149, 35290), (155, 35317), (178, 35377), (181, 35398), (205, 35476),

Gene: OSmaximus_36 Start: 34382, Stop: 35032, Start Num: 82
Candidate Starts for OSmaximus_36:
(69, 34346), (Start: 82 @34382 has 112 MA's), (Start: 83 @34385 has 196 MA's), (Start: 105 @34466 has 1 MA's), (136, 34601), (155, 34688), (172, 34733), (186, 34811), (204, 34862), (209, 34889), (211, 34907), (222, 34985), (231, 35018), (235, 35024),

Gene: Obutu_36 Start: 34262, Stop: 34915, Start Num: 78
Candidate Starts for Obutu_36:
(Start: 78 @34262 has 51 MA's), (102, 34343), (107, 34367), (135, 34490), (170, 34616), (177, 34631), (189, 34706), (223, 34871), (231, 34901),

Gene: Obutu_37 Start: 34912, Stop: 35511, Start Num: 84
Candidate Starts for Obutu_37:
(26, 34708), (Start: 84 @34912 has 463 MA's), (Start: 92 @34942 has 1 MA's), (102, 34969), (119, 35056), (122, 35062), (140, 35125), (145, 35149), (178, 35260), (198, 35344), (203, 35356), (213, 35416), (224, 35476), (229, 35497),

Gene: Olak_35 Start: 34046, Stop: 34693, Start Num: 83
Candidate Starts for Olak_35:
(69, 34007), (Start: 82 @34043 has 112 MA's), (Start: 83 @34046 has 196 MA's), (Start: 105 @34127 has 1 MA's), (136, 34262), (155, 34349), (172, 34394), (186, 34472), (204, 34523), (209, 34550), (211, 34568), (222, 34646), (231, 34679), (235, 34685),

Gene: Olak_36 Start: 34690, Stop: 35289, Start Num: 84
Candidate Starts for Olak_36:
(27, 34486), (34, 34510), (41, 34552), (44, 34570), (47, 34585), (Start: 84 @34690 has 463 MA's), (Start: 92 @34720 has 1 MA's), (95, 34732), (107, 34771), (111, 34786), (122, 34840), (134, 34885), (136, 34891), (138, 34897), (140, 34903), (148, 34948), (149, 34951), (155, 34978), (178, 35038), (181, 35059), (205, 35137),

Gene: Oline_36 Start: 34556, Stop: 35155, Start Num: 84
Candidate Starts for Oline_36:
(26, 34349), (27, 34352), (34, 34376), (41, 34418), (44, 34436), (47, 34451), (Start: 84 @34556 has 463 MA's), (Start: 92 @34586 has 1 MA's), (95, 34598), (107, 34637), (111, 34652), (122, 34706), (134, 34751), (136, 34757), (138, 34763), (140, 34769), (148, 34814), (149, 34817), (155, 34844),

(181, 34925), (198, 34988), (205, 35003),

Gene: Oline_35 Start: 33912, Stop: 34559, Start Num: 83
Candidate Starts for Oline_35:
(69, 33873), (Start: 82 @33909 has 112 MA's), (Start: 83 @33912 has 196 MA's), (Start: 105 @33993 has 1 MA's), (136, 34128), (155, 34215), (172, 34260), (185, 34329), (186, 34338), (204, 34389), (211, 34434), (222, 34512), (231, 34545), (235, 34551),

Gene: Olive_36 Start: 34333, Stop: 34980, Start Num: 83
Candidate Starts for Olive_36:
(38, 34183), (69, 34294), (Start: 82 @34330 has 112 MA's), (Start: 83 @34333 has 196 MA's), (Start: 105 @34414 has 1 MA's), (136, 34549), (155, 34636), (172, 34681), (186, 34759), (204, 34810), (209, 34837), (211, 34855), (222, 34933), (231, 34966), (235, 34972),

Gene: Olive_37 Start: 34977, Stop: 35576, Start Num: 84
Candidate Starts for Olive_37:
(27, 34773), (34, 34797), (41, 34839), (44, 34857), (47, 34872), (Start: 84 @34977 has 463 MA's), (Start: 92 @35007 has 1 MA's), (95, 35019), (107, 35058), (111, 35073), (122, 35127), (134, 35172), (136, 35178), (138, 35184), (140, 35190), (148, 35235), (149, 35238), (155, 35265), (178, 35325), (181, 35346),

Gene: OliverWalter_37 Start: 34999, Stop: 35598, Start Num: 84
Candidate Starts for OliverWalter_37:
(27, 34795), (34, 34819), (41, 34861), (44, 34879), (47, 34894), (Start: 84 @34999 has 463 MA's), (Start: 92 @35029 has 1 MA's), (95, 35041), (107, 35080), (111, 35095), (112, 35098), (122, 35149), (134, 35194), (136, 35200), (138, 35206), (140, 35212), (148, 35257), (149, 35260), (155, 35287), (178, 35347), (181, 35368), (205, 35446),

Gene: OliverWalter_36 Start: 34355, Stop: 35002, Start Num: 83
Candidate Starts for OliverWalter_36:
(38, 34205), (69, 34316), (Start: 82 @34352 has 112 MA's), (Start: 83 @34355 has 196 MA's), (Start: 105 @34436 has 1 MA's), (136, 34571), (155, 34658), (172, 34703), (186, 34781), (204, 34832), (209, 34859), (211, 34877), (222, 34955), (231, 34988), (235, 34994),

Gene: Olivio_35 Start: 34131, Stop: 34784, Start Num: 78
Candidate Starts for Olivio_35:
(Start: 78 @34131 has 51 MA's), (102, 34212), (135, 34359), (170, 34485), (177, 34500), (189, 34575), (223, 34740), (224, 34743), (231, 34770),

Gene: Olivio_36 Start: 34781, Stop: 35380, Start Num: 84
Candidate Starts for Olivio_36:
(Start: 84 @34781 has 463 MA's), (Start: 92 @34811 has 1 MA's), (102, 34838), (119, 34925), (122, 34931), (140, 34994), (145, 35018), (178, 35129), (198, 35213), (203, 35225), (213, 35285), (229, 35366),

Gene: Omniscient_36 Start: 34352, Stop: 34999, Start Num: 83
Candidate Starts for Omniscient_36:
(69, 34313), (Start: 82 @34349 has 112 MA's), (Start: 83 @34352 has 196 MA's), (Start: 105 @34433 has 1 MA's), (136, 34568), (155, 34655), (172, 34700), (186, 34778), (204, 34829), (209, 34856), (211, 34874), (222, 34952), (231, 34985), (235, 34991),

Gene: Omniscient_37 Start: 34996, Stop: 35595, Start Num: 84
Candidate Starts for Omniscient_37:

(27, 34792), (34, 34816), (41, 34858), (44, 34876), (47, 34891), (Start: 84 @34996 has 463 MA's), (Start: 92 @35026 has 1 MA's), (95, 35038), (107, 35077), (111, 35092), (122, 35146), (134, 35191), (136, 35197), (138, 35203), (140, 35209), (148, 35254), (149, 35257), (155, 35284), (178, 35344), (181, 35365), (205, 35443),

Gene: OneBrain_36 Start: 34051, Stop: 34698, Start Num: 83
Candidate Starts for OneBrain_36:
(69, 34012), (Start: 82 @34048 has 112 MA's), (Start: 83 @34051 has 196 MA's), (Start: 105 @34132 has 1 MA's), (136, 34267), (155, 34354), (172, 34399), (185, 34468), (186, 34477), (204, 34528), (211, 34573), (222, 34651), (231, 34684), (235, 34690),

Gene: OneBrain_37 Start: 34695, Stop: 35294, Start Num: 84
Candidate Starts for OneBrain_37:
(26, 34488), (27, 34491), (34, 34515), (41, 34557), (44, 34575), (47, 34590), (Start: 84 @34695 has 463 MA's), (Start: 92 @34725 has 1 MA's), (95, 34737), (107, 34776), (111, 34791), (122, 34845), (134, 34890), (136, 34896), (138, 34902), (140, 34908), (148, 34953), (149, 34956), (155, 34983), (178, 35043), (181, 35064), (198, 35127), (205, 35142),

Gene: Oosterbaan_36 Start: 34343, Stop: 34990, Start Num: 83
Candidate Starts for Oosterbaan_36:
(69, 34304), (Start: 82 @34340 has 112 MA's), (Start: 83 @34343 has 196 MA's), (Start: 105 @34424 has 1 MA's), (136, 34559), (155, 34646), (172, 34691), (186, 34769), (204, 34820), (209, 34847), (211, 34865), (222, 34943), (231, 34976), (235, 34982),

Gene: Oosterbaan_37 Start: 34987, Stop: 35586, Start Num: 84
Candidate Starts for Oosterbaan_37:
(27, 34783), (34, 34807), (41, 34849), (44, 34867), (47, 34882), (Start: 84 @34987 has 463 MA's), (Start: 92 @35017 has 1 MA's), (95, 35029), (107, 35068), (111, 35083), (122, 35137), (134, 35182), (136, 35188), (138, 35194), (140, 35200), (148, 35245), (149, 35248), (155, 35275), (178, 35335), (181, 35356), (205, 35434),

Gene: Opia_38 Start: 35466, Stop: 36065, Start Num: 84
Candidate Starts for Opia_38:
(Start: 78 @35445 has 51 MA's), (Start: 84 @35466 has 463 MA's), (Start: 92 @35496 has 1 MA's), (98, 35517), (107, 35547), (108, 35550), (122, 35616), (136, 35667), (137, 35670), (138, 35673), (145, 35703), (148, 35724), (171, 35790), (179, 35820), (203, 35910), (205, 35913), (208, 35931), (211, 35955), (222, 36024), (229, 36051),

Gene: Opia_36 Start: 34676, Stop: 35320, Start Num: 79
Candidate Starts for Opia_36:
(32, 34511), (54, 34622), (Start: 79 @34676 has 48 MA's), (Start: 81 @34685 has 1 MA's), (102, 34754), (108, 34781), (110, 34790), (113, 34799), (136, 34907), (140, 34919), (168, 35012), (182, 35078), (186, 35099), (191, 35114), (193, 35120), (200, 35141), (206, 35153), (233, 35309),

Gene: OrangeOswald_36 Start: 34279, Stop: 34932, Start Num: 78
Candidate Starts for OrangeOswald_36:
(Start: 78 @34279 has 51 MA's), (102, 34360), (107, 34384), (135, 34507), (170, 34633), (177, 34648), (189, 34723), (223, 34888), (224, 34891), (231, 34918),

Gene: OrangeOswald_37 Start: 34929, Stop: 35528, Start Num: 84
Candidate Starts for OrangeOswald_37:
(Start: 84 @34929 has 463 MA's), (Start: 92 @34959 has 1 MA's), (102, 34986), (119, 35073), (122, 35079), (140, 35142), (145, 35166), (148, 35187), (178, 35277), (198, 35361), (203, 35373), (213,

35433), (229, 35514),

Gene: Orfeu_36 Start: 34695, Stop: 35294, Start Num: 84
Candidate Starts for Orfeu_36:
(27, 34491), (34, 34515), (41, 34557), (44, 34575), (47, 34590), (Start: 84 @34695 has 463 MA's), (Start: 92 @34725 has 1 MA's), (95, 34737), (107, 34776), (111, 34791), (122, 34845), (134, 34890), (136, 34896), (138, 34902), (140, 34908), (148, 34953), (149, 34956), (155, 34983), (178, 35043), (181, 35064), (205, 35142),

Gene: Orfeu_35 Start: 34051, Stop: 34698, Start Num: 83
Candidate Starts for Orfeu_35:
(69, 34012), (Start: 82 @34048 has 112 MA's), (Start: 83 @34051 has 196 MA's), (Start: 105 @34132 has 1 MA's), (136, 34267), (155, 34354), (172, 34399), (186, 34477), (204, 34528), (209, 34555), (211, 34573), (222, 34651), (231, 34684), (235, 34690),

Gene: Orion_36 Start: 34341, Stop: 34988, Start Num: 83
Candidate Starts for Orion_36:
(69, 34302), (Start: 82 @34338 has 112 MA's), (Start: 83 @34341 has 196 MA's), (Start: 105 @34422 has 1 MA's), (136, 34557), (155, 34644), (172, 34689), (186, 34767), (204, 34818), (209, 34845), (211, 34863), (222, 34941), (231, 34974), (235, 34980),

Gene: Orion_37 Start: 34985, Stop: 35584, Start Num: 84
Candidate Starts for Orion_37:
(27, 34781), (34, 34805), (41, 34847), (44, 34865), (47, 34880), (Start: 84 @34985 has 463 MA's), (Start: 92 @35015 has 1 MA's), (95, 35027), (107, 35066), (111, 35081), (122, 35135), (134, 35180), (136, 35186), (138, 35192), (140, 35198), (148, 35243), (149, 35246), (155, 35273), (178, 35333), (181, 35354), (205, 35432),

Gene: Orwigg_35 Start: 34039, Stop: 34686, Start Num: 83
Candidate Starts for Orwigg_35:
(38, 33889), (69, 34000), (Start: 82 @34036 has 112 MA's), (Start: 83 @34039 has 196 MA's), (Start: 105 @34120 has 1 MA's), (136, 34255), (155, 34342), (172, 34387), (186, 34465), (204, 34516), (209, 34543), (211, 34561), (222, 34639), (231, 34672), (235, 34678),

Gene: Orwigg_36 Start: 34683, Stop: 35282, Start Num: 84
Candidate Starts for Orwigg_36:
(27, 34479), (34, 34503), (41, 34545), (44, 34563), (47, 34578), (Start: 84 @34683 has 463 MA's), (Start: 92 @34713 has 1 MA's), (95, 34725), (107, 34764), (111, 34779), (122, 34833), (134, 34878), (136, 34884), (138, 34890), (140, 34896), (148, 34941), (149, 34944), (155, 34971), (178, 35031), (181, 35052),

Gene: PG1_37 Start: 34998, Stop: 35597, Start Num: 84
Candidate Starts for PG1_37:
(27, 34794), (34, 34818), (41, 34860), (44, 34878), (47, 34893), (Start: 84 @34998 has 463 MA's), (Start: 92 @35028 has 1 MA's), (95, 35040), (107, 35079), (111, 35094), (122, 35148), (134, 35193), (136, 35199), (138, 35205), (140, 35211), (148, 35256), (149, 35259), (155, 35286), (178, 35346), (181, 35367), (205, 35445),

Gene: PG1_36 Start: 34354, Stop: 35001, Start Num: 83
Candidate Starts for PG1_36:
(69, 34315), (Start: 82 @34351 has 112 MA's), (Start: 83 @34354 has 196 MA's), (Start: 105 @34435 has 1 MA's), (136, 34570), (155, 34657), (172, 34702), (186, 34780), (204, 34831), (209, 34858), (211, 34876), (222, 34954), (231, 34987), (235, 34993),

Gene: PR_30 Start: 32778, Stop: 33377, Start Num: 84
Candidate Starts for PR_30:
(Start: 84 @32778 has 463 MA's), (Start: 92 @32808 has 1 MA's), (98, 32829), (102, 32835), (119, 32922), (122, 32928), (136, 32979), (140, 32991), (145, 33015), (148, 33036), (152, 33054), (158, 33072), (169, 33099), (209, 33249), (211, 33267), (224, 33342), (229, 33363),

Gene: PR_28 Start: 31984, Stop: 32628, Start Num: 79
Candidate Starts for PR_28:
(Start: 79 @31984 has 48 MA's), (Start: 84 @32002 has 463 MA's), (101, 32059), (110, 32098), (113, 32107), (123, 32164), (136, 32215), (138, 32221), (140, 32227), (155, 32302), (172, 32329), (182, 32386), (185, 32398), (193, 32428), (211, 32503), (221, 32575),

Gene: Pacifista_35 Start: 34045, Stop: 34692, Start Num: 83
Candidate Starts for Pacifista_35:
(69, 34006), (Start: 82 @34042 has 112 MA's), (Start: 83 @34045 has 196 MA's), (Start: 105 @34126 has 1 MA's), (136, 34261), (155, 34348), (172, 34393), (186, 34471), (204, 34522), (209, 34549), (211, 34567), (222, 34645), (231, 34678), (235, 34684),

Gene: Pacifista_36 Start: 34689, Stop: 35288, Start Num: 84
Candidate Starts for Pacifista_36:
(27, 34485), (34, 34509), (41, 34551), (44, 34569), (47, 34584), (Start: 84 @34689 has 463 MA's), (Start: 92 @34719 has 1 MA's), (95, 34731), (107, 34770), (111, 34785), (122, 34839), (134, 34884), (136, 34890), (138, 34896), (140, 34902), (148, 34947), (149, 34950), (155, 34977), (178, 35037), (181, 35058), (205, 35136),

Gene: PallasAthena_36 Start: 34059, Stop: 34706, Start Num: 83
Candidate Starts for PallasAthena_36:
(69, 34020), (Start: 82 @34056 has 112 MA's), (Start: 83 @34059 has 196 MA's), (Start: 105 @34140 has 1 MA's), (136, 34275), (155, 34362), (172, 34407), (186, 34485), (204, 34536), (209, 34563), (211, 34581), (222, 34659), (231, 34692), (235, 34698),

Gene: PallasAthena_37 Start: 34703, Stop: 35302, Start Num: 84
Candidate Starts for PallasAthena_37:
(26, 34496), (27, 34499), (34, 34523), (41, 34565), (44, 34583), (47, 34598), (Start: 84 @34703 has 463 MA's), (Start: 92 @34733 has 1 MA's), (95, 34745), (107, 34784), (111, 34799), (122, 34853), (134, 34898), (136, 34904), (138, 34910), (140, 34916), (148, 34961), (149, 34964), (155, 34991), (178, 35051), (181, 35072), (198, 35135), (205, 35150),

Gene: PenguinLover67_39 Start: 36861, Stop: 37469, Start Num: 84
Candidate Starts for PenguinLover67_39:
(Start: 84 @36861 has 463 MA's), (Start: 92 @36891 has 1 MA's), (107, 36942), (119, 37005), (122, 37011), (148, 37119), (203, 37305), (205, 37308), (211, 37350), (215, 37374), (216, 37395), (225, 37437),

Gene: PenguinLover67_38 Start: 36256, Stop: 36864, Start Num: 93
Candidate Starts for PenguinLover67_38:
(29, 36019), (36, 36064), (42, 36088), (46, 36106), (49, 36127), (52, 36133), (57, 36151), (66, 36178), (71, 36184), (72, 36187), (Start: 82 @36217 has 112 MA's), (Start: 93 @36256 has 1 MA's), (102, 36280), (108, 36307), (123, 36382), (136, 36433), (148, 36490), (155, 36520), (170, 36562), (182, 36622), (200, 36685), (204, 36694), (233, 36853),

Gene: Phaedrus_34 Start: 34199, Stop: 34852, Start Num: 78

Candidate Starts for Phaedrus_34:
(Start: 78 @34199 has 51 MA's), (102, 34280), (135, 34427), (170, 34553), (177, 34568), (189, 34643), (223, 34808), (231, 34838),

Gene: Phaedrus_35 Start: 34849, Stop: 35448, Start Num: 84
Candidate Starts for Phaedrus_35:
(26, 34645), (Start: 84 @34849 has 463 MA's), (Start: 92 @34879 has 1 MA's), (102, 34906), (119, 34993), (122, 34999), (140, 35062), (145, 35086), (178, 35197), (198, 35281), (203, 35293), (213, 35353), (229, 35434),

Gene: Phamished_36 Start: 34346, Stop: 34996, Start Num: 82
Candidate Starts for Phamished_36:
(69, 34310), (Start: 82 @34346 has 112 MA's), (Start: 83 @34349 has 196 MA's), (Start: 105 @34430 has 1 MA's), (136, 34565), (155, 34652), (172, 34697), (186, 34775), (204, 34826), (209, 34853), (211, 34871), (222, 34949), (231, 34982), (235, 34988),

Gene: Phamished_37 Start: 34993, Stop: 35592, Start Num: 84
Candidate Starts for Phamished_37:
(27, 34789), (34, 34813), (41, 34855), (44, 34873), (47, 34888), (Start: 84 @34993 has 463 MA's), (Start: 92 @35023 has 1 MA's), (95, 35035), (107, 35074), (111, 35089), (122, 35143), (134, 35188), (136, 35194), (138, 35200), (140, 35206), (148, 35251), (149, 35254), (155, 35281), (178, 35341), (181, 35362), (205, 35440),

Gene: Phantasmagoria_36 Start: 34688, Stop: 35332, Start Num: 79
Candidate Starts for Phantasmagoria_36:
(10, 34319), (12, 34331), (18, 34430), (32, 34523), (54, 34634), (Start: 79 @34688 has 48 MA's), (Start: 81 @34697 has 1 MA's), (102, 34766), (108, 34793), (110, 34802), (136, 34919), (140, 34931), (168, 35024), (182, 35090), (186, 35111), (191, 35126), (193, 35132), (200, 35153), (206, 35165), (233, 35321),

Gene: Phantasmagoria_38 Start: 35478, Stop: 36077, Start Num: 84
Candidate Starts for Phantasmagoria_38:
(Start: 78 @35457 has 51 MA's), (Start: 84 @35478 has 463 MA's), (Start: 92 @35508 has 1 MA's), (98, 35529), (107, 35559), (108, 35562), (122, 35628), (136, 35679), (137, 35682), (138, 35685), (145, 35715), (148, 35736), (171, 35802), (179, 35832), (203, 35922), (205, 35925), (208, 35943), (211, 35967), (222, 36036), (229, 36063),

Gene: Phareon_36 Start: 34053, Stop: 34700, Start Num: 83
Candidate Starts for Phareon_36:
(69, 34014), (Start: 82 @34050 has 112 MA's), (Start: 83 @34053 has 196 MA's), (Start: 105 @34134 has 1 MA's), (136, 34269), (155, 34356), (172, 34401), (186, 34479), (204, 34530), (209, 34557), (211, 34575), (222, 34653), (231, 34686), (235, 34692),

Gene: Phareon_37 Start: 34697, Stop: 35296, Start Num: 84
Candidate Starts for Phareon_37:
(27, 34493), (34, 34517), (41, 34559), (44, 34577), (47, 34592), (Start: 84 @34697 has 463 MA's), (Start: 92 @34727 has 1 MA's), (95, 34739), (107, 34778), (111, 34793), (122, 34847), (134, 34892), (136, 34898), (138, 34904), (140, 34910), (148, 34955), (149, 34958), (155, 34985), (178, 35045), (181, 35066), (205, 35144),

Gene: PhatCats2014_37 Start: 35002, Stop: 35601, Start Num: 84
Candidate Starts for PhatCats2014_37:

(27, 34798), (34, 34822), (41, 34864), (44, 34882), (47, 34897), (Start: 84 @35002 has 463 MA's), (Start: 92 @35032 has 1 MA's), (95, 35044), (107, 35083), (111, 35098), (122, 35152), (134, 35197), (136, 35203), (138, 35209), (140, 35215), (148, 35260), (149, 35263), (155, 35290), (178, 35350), (181, 35371), (205, 35449),

Gene: PhatCats2014_36 Start: 34358, Stop: 35005, Start Num: 83
Candidate Starts for PhatCats2014_36:
(69, 34319), (Start: 82 @34355 has 112 MA's), (Start: 83 @34358 has 196 MA's), (Start: 105 @34439 has 1 MA's), (136, 34574), (155, 34661), (172, 34706), (186, 34784), (204, 34835), (209, 34862), (211, 34880), (222, 34958), (231, 34991), (235, 34997),

Gene: PhatLouie_37 Start: 34991, Stop: 35590, Start Num: 84
Candidate Starts for PhatLouie_37:
(26, 34784), (27, 34787), (34, 34811), (41, 34853), (44, 34871), (47, 34886), (Start: 84 @34991 has 463 MA's), (Start: 92 @35021 has 1 MA's), (95, 35033), (107, 35072), (111, 35087), (122, 35141), (134, 35186), (136, 35192), (138, 35198), (140, 35204), (148, 35249), (149, 35252), (155, 35279), (178, 35339), (181, 35360), (198, 35423), (205, 35438),

Gene: PhatLouie_36 Start: 34347, Stop: 34994, Start Num: 83
Candidate Starts for PhatLouie_36:
(69, 34308), (Start: 82 @34344 has 112 MA's), (Start: 83 @34347 has 196 MA's), (Start: 105 @34428 has 1 MA's), (136, 34563), (155, 34650), (172, 34695), (185, 34764), (186, 34773), (204, 34824), (211, 34869), (222, 34947), (231, 34980), (235, 34986),

Gene: Phayeta_38 Start: 34794, Stop: 35393, Start Num: 84
Candidate Starts for Phayeta_38:
(Start: 84 @34794 has 463 MA's), (Start: 92 @34824 has 1 MA's), (102, 34851), (119, 34938), (122, 34944), (140, 35007), (145, 35031), (148, 35052), (178, 35142), (198, 35226), (203, 35238), (213, 35298), (229, 35379),

Gene: Phayeta_37 Start: 34144, Stop: 34797, Start Num: 78
Candidate Starts for Phayeta_37:
(Start: 78 @34144 has 51 MA's), (102, 34225), (135, 34372), (170, 34498), (177, 34513), (189, 34588), (223, 34753), (231, 34783),

Gene: Phelemich_36 Start: 35859, Stop: 36470, Start Num: 84
Candidate Starts for Phelemich_36:
(34, 35682), (44, 35739), (47, 35754), (Start: 84 @35859 has 463 MA's), (Start: 92 @35892 has 1 MA's), (107, 35943), (119, 36006), (122, 36012), (136, 36063), (138, 36069), (140, 36075), (149, 36123), (196, 36288), (198, 36294), (205, 36309), (225, 36438), (229, 36456),

Gene: Phelemich_35 Start: 35233, Stop: 35862, Start Num: 82
Candidate Starts for Phelemich_35:
(Start: 82 @35233 has 112 MA's), (96, 35287), (108, 35323), (118, 35383), (124, 35404), (132, 35440), (135, 35449), (136, 35452), (138, 35458), (148, 35509), (168, 35557), (170, 35563), (211, 35737), (227, 35830), (233, 35851),

Gene: PhenghisKhan_36 Start: 34597, Stop: 35196, Start Num: 84
Candidate Starts for PhenghisKhan_36:
(26, 34390), (27, 34393), (34, 34417), (41, 34459), (44, 34477), (47, 34492), (Start: 84 @34597 has 463 MA's), (Start: 92 @34627 has 1 MA's), (95, 34639), (107, 34678), (111, 34693), (122, 34747), (134, 34792), (136, 34798), (138, 34804), (140, 34810), (148, 34855), (149, 34858), (155, 34885), (178, 34945), (181, 34966), (198, 35029), (205, 35044),

Gene: PhenghisKhan_35 Start: 33953, Stop: 34600, Start Num: 83
Candidate Starts for PhenghisKhan_35:
(69, 33914), (Start: 82 @33950 has 112 MA's), (Start: 83 @33953 has 196 MA's), (Start: 105 @34034 has 1 MA's), (136, 34169), (155, 34256), (172, 34301), (185, 34370), (186, 34379), (204, 34430), (211, 34475), (222, 34553), (231, 34586), (235, 34592),

Gene: Pherdinand_36 Start: 34349, Stop: 34996, Start Num: 83
Candidate Starts for Pherdinand_36:
(69, 34310), (Start: 82 @34346 has 112 MA's), (Start: 83 @34349 has 196 MA's), (Start: 105 @34430 has 1 MA's), (136, 34565), (155, 34652), (172, 34697), (186, 34775), (204, 34826), (209, 34853), (211, 34871), (222, 34949), (231, 34982), (235, 34988),

Gene: Pherdinand_37 Start: 34993, Stop: 35592, Start Num: 84
Candidate Starts for Pherdinand_37:
(27, 34789), (34, 34813), (41, 34855), (44, 34873), (47, 34888), (Start: 84 @34993 has 463 MA's), (Start: 92 @35023 has 1 MA's), (95, 35035), (107, 35074), (111, 35089), (122, 35143), (134, 35188), (136, 35194), (138, 35200), (140, 35206), (148, 35251), (149, 35254), (155, 35281), (178, 35341), (181, 35362), (205, 35440),

Gene: Phergie_35 Start: 33944, Stop: 34591, Start Num: 83
Candidate Starts for Phergie_35:
(69, 33905), (Start: 82 @33941 has 112 MA's), (Start: 83 @33944 has 196 MA's), (Start: 105 @34025 has 1 MA's), (136, 34160), (155, 34247), (172, 34292), (185, 34361), (186, 34370), (204, 34421), (211, 34466), (222, 34544), (231, 34577), (235, 34583),

Gene: Phergie_36 Start: 34588, Stop: 35187, Start Num: 84
Candidate Starts for Phergie_36:
(26, 34381), (27, 34384), (34, 34408), (41, 34450), (44, 34468), (47, 34483), (Start: 84 @34588 has 463 MA's), (Start: 92 @34618 has 1 MA's), (95, 34630), (107, 34669), (111, 34684), (122, 34738), (134, 34783), (136, 34789), (138, 34795), (140, 34801), (148, 34846), (149, 34849), (155, 34876), (178, 34936), (181, 34957), (198, 35020), (205, 35035),

Gene: Philly_36 Start: 34780, Stop: 35379, Start Num: 84
Candidate Starts for Philly_36:
(Start: 84 @34780 has 463 MA's), (Start: 92 @34810 has 1 MA's), (102, 34837), (119, 34924), (122, 34930), (140, 34993), (145, 35017), (148, 35038), (178, 35128), (198, 35212), (203, 35224), (213, 35284), (224, 35344), (229, 35365),

Gene: Philly_35 Start: 34130, Stop: 34783, Start Num: 78
Candidate Starts for Philly_35:
(Start: 78 @34130 has 51 MA's), (102, 34211), (107, 34235), (135, 34358), (170, 34484), (177, 34499), (189, 34574), (223, 34739), (231, 34769),

Gene: Phipps_36 Start: 34320, Stop: 34967, Start Num: 83
Candidate Starts for Phipps_36:
(38, 34170), (69, 34281), (Start: 82 @34317 has 112 MA's), (Start: 83 @34320 has 196 MA's), (Start: 105 @34401 has 1 MA's), (136, 34536), (155, 34623), (172, 34668), (186, 34746), (204, 34797), (209, 34824), (211, 34842), (222, 34920), (231, 34953), (235, 34959),

Gene: Phipps_37 Start: 34964, Stop: 35563, Start Num: 84
Candidate Starts for Phipps_37:

(27, 34760), (34, 34784), (41, 34826), (44, 34844), (47, 34859), (Start: 84 @34964 has 463 MA's), (Start: 92 @34994 has 1 MA's), (95, 35006), (107, 35045), (111, 35060), (122, 35114), (134, 35159), (136, 35165), (138, 35171), (140, 35177), (148, 35222), (149, 35225), (155, 35252), (178, 35312), (181, 35333), (205, 35411),

Gene: Phleuron_36 Start: 34594, Stop: 35193, Start Num: 84
Candidate Starts for Phleuron_36:
(26, 34387), (27, 34390), (34, 34414), (41, 34456), (44, 34474), (47, 34489), (Start: 84 @34594 has 463 MA's), (Start: 92 @34624 has 1 MA's), (95, 34636), (107, 34675), (111, 34690), (122, 34744), (134, 34789), (136, 34795), (138, 34801), (140, 34807), (148, 34852), (149, 34855), (155, 34882), (178, 34942), (181, 34963), (198, 35026), (205, 35041),

Gene: Phleuron_35 Start: 33950, Stop: 34597, Start Num: 83
Candidate Starts for Phleuron_35:
(69, 33911), (Start: 82 @33947 has 112 MA's), (Start: 83 @33950 has 196 MA's), (Start: 105 @34031 has 1 MA's), (136, 34166), (155, 34253), (172, 34298), (185, 34367), (186, 34376), (204, 34427), (211, 34472), (222, 34550), (231, 34583), (235, 34589),

Gene: Phlyer_36 Start: 35018, Stop: 35671, Start Num: 78
Candidate Starts for Phlyer_36:
(Start: 78 @35018 has 51 MA's), (102, 35099), (107, 35123), (135, 35246), (170, 35372), (177, 35387), (189, 35462), (223, 35627), (231, 35657),

Gene: Phlyer_37 Start: 35668, Stop: 36267, Start Num: 84
Candidate Starts for Phlyer_37:
(Start: 84 @35668 has 463 MA's), (Start: 92 @35698 has 1 MA's), (102, 35725), (119, 35812), (122, 35818), (140, 35881), (145, 35905), (148, 35926), (178, 36016), (198, 36100), (203, 36112), (213, 36172), (224, 36232), (229, 36253),

Gene: PhrankReynolds_36 Start: 34594, Stop: 35193, Start Num: 84
Candidate Starts for PhrankReynolds_36:
(26, 34387), (27, 34390), (34, 34414), (41, 34456), (44, 34474), (47, 34489), (Start: 84 @34594 has 463 MA's), (Start: 92 @34624 has 1 MA's), (95, 34636), (107, 34675), (111, 34690), (122, 34744), (134, 34789), (136, 34795), (138, 34801), (140, 34807), (148, 34852), (149, 34855), (155, 34882), (178, 34942), (181, 34963), (198, 35026), (205, 35041),

Gene: PhrankReynolds_35 Start: 33950, Stop: 34597, Start Num: 83
Candidate Starts for PhrankReynolds_35:
(69, 33911), (Start: 82 @33947 has 112 MA's), (Start: 83 @33950 has 196 MA's), (Start: 105 @34031 has 1 MA's), (136, 34166), (155, 34253), (172, 34298), (185, 34367), (186, 34376), (204, 34427), (211, 34472), (222, 34550), (231, 34583), (235, 34589),

Gene: PhrodoBaggins_35 Start: 34337, Stop: 34984, Start Num: 83
Candidate Starts for PhrodoBaggins_35:
(69, 34298), (Start: 82 @34334 has 112 MA's), (Start: 83 @34337 has 196 MA's), (Start: 105 @34418 has 1 MA's), (136, 34553), (155, 34640), (172, 34685), (186, 34763), (204, 34814), (209, 34841), (211, 34859), (222, 34937), (231, 34970), (235, 34976),

Gene: PhrodoBaggins_36 Start: 34981, Stop: 35580, Start Num: 84
Candidate Starts for PhrodoBaggins_36:
(27, 34777), (34, 34801), (41, 34843), (44, 34861), (47, 34876), (Start: 84 @34981 has 463 MA's), (Start: 92 @35011 has 1 MA's), (95, 35023), (107, 35062), (111, 35077), (122, 35131), (134, 35176), (136, 35182), (138, 35188), (140, 35194), (148, 35239), (149, 35242), (155, 35269), (178, 35329),

(181, 35350), (205, 35428),

Gene: Phunky_37 Start: 34994, Stop: 35593, Start Num: 84
Candidate Starts for Phunky_37:
(27, 34790), (34, 34814), (41, 34856), (44, 34874), (47, 34889), (Start: 84 @34994 has 463 MA's), (Start: 92 @35024 has 1 MA's), (95, 35036), (107, 35075), (111, 35090), (122, 35144), (134, 35189), (136, 35195), (138, 35201), (140, 35207), (148, 35252), (149, 35255), (155, 35282), (178, 35342), (181, 35363), (205, 35441),

Gene: Phunky_36 Start: 34350, Stop: 34997, Start Num: 83
Candidate Starts for Phunky_36:
(69, 34311), (Start: 82 @34347 has 112 MA's), (Start: 83 @34350 has 196 MA's), (Start: 105 @34431 has 1 MA's), (136, 34566), (155, 34653), (172, 34698), (186, 34776), (204, 34827), (209, 34854), (211, 34872), (222, 34950), (231, 34983), (235, 34989),

Gene: Piglet_0035 Start: 34454, Stop: 35104, Start Num: 82
Candidate Starts for Piglet_0035:
(69, 34418), (Start: 82 @34454 has 112 MA's), (Start: 83 @34457 has 196 MA's), (Start: 105 @34538 has 1 MA's), (136, 34673), (155, 34760), (172, 34805), (186, 34883), (204, 34934), (209, 34961), (211, 34979), (222, 35057), (231, 35090), (235, 35096),

Gene: Piglet_0036 Start: 35101, Stop: 35700, Start Num: 84
Candidate Starts for Piglet_0036:
(26, 34894), (27, 34897), (34, 34921), (41, 34963), (44, 34981), (47, 34996), (Start: 84 @35101 has 463 MA's), (Start: 92 @35131 has 1 MA's), (95, 35143), (107, 35182), (111, 35197), (122, 35251), (134, 35296), (136, 35302), (138, 35308), (140, 35314), (148, 35359), (149, 35362), (155, 35389), (178, 35449), (181, 35470), (205, 35548),

Gene: Pine5_31 Start: 28838, Stop: 29461, Start Num: 81
Candidate Starts for Pine5_31:
(Start: 81 @28838 has 1 MA's), (100, 28904), (120, 29003), (139, 29069), (143, 29093), (186, 29252), (187, 29255), (208, 29321), (223, 29426),

Gene: Pine5_32 Start: 29465, Stop: 30058, Start Num: 83
Candidate Starts for Pine5_32:
(Start: 83 @29465 has 196 MA's), (102, 29531), (114, 29597), (139, 29684), (145, 29711), (147, 29729), (151, 29741), (152, 29750), (158, 29768), (160, 29777), (202, 29906), (203, 29909), (205, 29912), (211, 29954), (226, 30029), (230, 30047),

Gene: PinheadLarry_37 Start: 34707, Stop: 35306, Start Num: 84
Candidate Starts for PinheadLarry_37:
(27, 34503), (34, 34527), (41, 34569), (44, 34587), (47, 34602), (Start: 84 @34707 has 463 MA's), (Start: 92 @34737 has 1 MA's), (95, 34749), (107, 34788), (111, 34803), (122, 34857), (134, 34902), (136, 34908), (138, 34914), (140, 34920), (148, 34965), (149, 34968), (155, 34995), (178, 35055), (181, 35076), (198, 35139), (205, 35154),

Gene: PinheadLarry_36 Start: 34060, Stop: 34710, Start Num: 82
Candidate Starts for PinheadLarry_36:
(69, 34024), (Start: 82 @34060 has 112 MA's), (Start: 83 @34063 has 196 MA's), (Start: 105 @34144 has 1 MA's), (136, 34279), (155, 34366), (172, 34411), (186, 34489), (204, 34540), (209, 34567), (211, 34585), (222, 34663), (231, 34696), (235, 34702),

Gene: Pinkman_36 Start: 34550, Stop: 35149, Start Num: 84

Candidate Starts for Pinkman_36:
(26, 34343), (27, 34346), (34, 34370), (41, 34412), (44, 34430), (47, 34445), (Start: 84 @34550 has 463 MA's), (Start: 92 @34580 has 1 MA's), (95, 34592), (107, 34631), (111, 34646), (122, 34700), (134, 34745), (136, 34751), (138, 34757), (140, 34763), (148, 34808), (149, 34811), (155, 34838), (178, 34898), (181, 34919), (198, 34982), (205, 34997),

Gene: Pinkman_35 Start: 33906, Stop: 34553, Start Num: 83
Candidate Starts for Pinkman_35:
(69, 33867), (Start: 82 @33903 has 112 MA's), (Start: 83 @33906 has 196 MA's), (Start: 105 @33987 has 1 MA's), (136, 34122), (155, 34209), (172, 34254), (185, 34323), (186, 34332), (204, 34383), (211, 34428), (222, 34506), (231, 34539), (235, 34545),

Gene: Pipefish_38 Start: 35671, Stop: 36324, Start Num: 78
Candidate Starts for Pipefish_38:
(Start: 78 @35671 has 51 MA's), (102, 35752), (107, 35776), (135, 35899), (170, 36025), (177, 36040), (189, 36115), (223, 36280), (231, 36310),

Gene: Pipefish_39 Start: 36321, Stop: 36920, Start Num: 84
Candidate Starts for Pipefish_39:
(Start: 84 @36321 has 463 MA's), (Start: 92 @36351 has 1 MA's), (102, 36378), (119, 36465), (122, 36471), (140, 36534), (145, 36558), (148, 36579), (178, 36669), (198, 36753), (203, 36765), (213, 36825), (224, 36885), (229, 36906),

Gene: Pipsqueak_36 Start: 34348, Stop: 34995, Start Num: 83
Candidate Starts for Pipsqueak_36:
(38, 34198), (69, 34309), (Start: 82 @34345 has 112 MA's), (Start: 83 @34348 has 196 MA's), (Start: 105 @34429 has 1 MA's), (136, 34564), (155, 34651), (172, 34696), (186, 34774), (204, 34825), (209, 34852), (211, 34870), (222, 34948), (231, 34981), (235, 34987),

Gene: Pipsqueak_37 Start: 34992, Stop: 35591, Start Num: 84
Candidate Starts for Pipsqueak_37:
(27, 34788), (34, 34812), (41, 34854), (44, 34872), (47, 34887), (Start: 84 @34992 has 463 MA's), (Start: 92 @35022 has 1 MA's), (95, 35034), (107, 35073), (111, 35088), (122, 35142), (134, 35187), (136, 35193), (138, 35199), (140, 35205), (148, 35250), (149, 35253), (155, 35280), (178, 35340), (181, 35361), (205, 35439),

Gene: Placalicious_36 Start: 34685, Stop: 35284, Start Num: 84
Candidate Starts for Placalicious_36:
(27, 34481), (34, 34505), (41, 34547), (44, 34565), (47, 34580), (Start: 84 @34685 has 463 MA's), (Start: 92 @34715 has 1 MA's), (95, 34727), (107, 34766), (111, 34781), (122, 34835), (134, 34880), (136, 34886), (138, 34892), (140, 34898), (148, 34943), (149, 34946), (155, 34973), (178, 35033), (181, 35054), (205, 35132),

Gene: Placalicious_35 Start: 34041, Stop: 34688, Start Num: 83
Candidate Starts for Placalicious_35:
(69, 34002), (Start: 82 @34038 has 112 MA's), (Start: 83 @34041 has 196 MA's), (Start: 105 @34122 has 1 MA's), (136, 34257), (155, 34344), (172, 34389), (186, 34467), (204, 34518), (209, 34545), (211, 34563), (222, 34641), (231, 34674), (235, 34680),

Gene: Plata_35 Start: 34062, Stop: 34709, Start Num: 83
Candidate Starts for Plata_35:
(38, 33912), (69, 34023), (Start: 82 @34059 has 112 MA's), (Start: 83 @34062 has 196 MA's), (Start: 105 @34143 has 1 MA's), (136, 34278), (155, 34365), (172, 34410), (186, 34488), (204, 34539), (211,

34584), (222, 34662), (231, 34695), (235, 34701),

Gene: Plata_36 Start: 34706, Stop: 35305, Start Num: 84
Candidate Starts for Plata_36:
(27, 34502), (34, 34526), (41, 34568), (44, 34586), (47, 34601), (Start: 84 @34706 has 463 MA's), (Start: 92 @34736 has 1 MA's), (95, 34748), (107, 34787), (111, 34802), (122, 34856), (134, 34901), (136, 34907), (138, 34913), (140, 34919), (148, 34964), (149, 34967), (155, 34994), (178, 35054), (181, 35075), (198, 35138), (205, 35153),

Gene: Plmatters_37 Start: 34991, Stop: 35590, Start Num: 84
Candidate Starts for Plmatters_37:
(27, 34787), (34, 34811), (41, 34853), (44, 34871), (47, 34886), (Start: 84 @34991 has 463 MA's), (Start: 92 @35021 has 1 MA's), (95, 35033), (107, 35072), (111, 35087), (122, 35141), (134, 35186), (136, 35192), (138, 35198), (140, 35204), (148, 35249), (149, 35252), (155, 35279), (178, 35339), (181, 35360), (205, 35438),

Gene: Plmatters_36 Start: 34347, Stop: 34994, Start Num: 83
Candidate Starts for Plmatters_36:
(38, 34197), (69, 34308), (Start: 82 @34344 has 112 MA's), (Start: 83 @34347 has 196 MA's), (Start: 105 @34428 has 1 MA's), (136, 34563), (155, 34650), (172, 34695), (186, 34773), (204, 34824), (209, 34851), (211, 34869), (222, 34947), (231, 34980), (235, 34986),

Gene: Podrick_37 Start: 34982, Stop: 35581, Start Num: 84
Candidate Starts for Podrick_37:
(27, 34778), (34, 34802), (41, 34844), (44, 34862), (47, 34877), (Start: 84 @34982 has 463 MA's), (Start: 92 @35012 has 1 MA's), (95, 35024), (107, 35063), (111, 35078), (122, 35132), (134, 35177), (136, 35183), (138, 35189), (140, 35195), (148, 35240), (149, 35243), (155, 35270), (178, 35330), (181, 35351), (205, 35429),

Gene: Podrick_36 Start: 34338, Stop: 34985, Start Num: 83
Candidate Starts for Podrick_36:
(38, 34188), (69, 34299), (Start: 82 @34335 has 112 MA's), (Start: 83 @34338 has 196 MA's), (Start: 105 @34419 has 1 MA's), (136, 34554), (155, 34641), (172, 34686), (186, 34764), (204, 34815), (209, 34842), (211, 34860), (222, 34938), (231, 34971), (235, 34977),

Gene: Pops_36 Start: 34362, Stop: 35009, Start Num: 83
Candidate Starts for Pops_36:
(38, 34212), (69, 34323), (Start: 82 @34359 has 112 MA's), (Start: 83 @34362 has 196 MA's), (Start: 105 @34443 has 1 MA's), (136, 34578), (155, 34665), (172, 34710), (186, 34788), (204, 34839), (209, 34866), (211, 34884), (222, 34962), (231, 34995), (235, 35001),

Gene: Pops_37 Start: 35006, Stop: 35605, Start Num: 84
Candidate Starts for Pops_37:
(27, 34802), (34, 34826), (41, 34868), (44, 34886), (47, 34901), (Start: 84 @35006 has 463 MA's), (Start: 92 @35036 has 1 MA's), (95, 35048), (107, 35087), (111, 35102), (122, 35156), (134, 35201), (136, 35207), (138, 35213), (140, 35219), (148, 35264), (149, 35267), (155, 35294), (178, 35354), (181, 35375), (205, 35453),

Gene: Poster_33 Start: 34150, Stop: 34755, Start Num: 84
Candidate Starts for Poster_33:
(Start: 84 @34150 has 463 MA's), (Start: 92 @34186 has 1 MA's), (107, 34237), (108, 34240), (119, 34300), (122, 34306), (134, 34351), (137, 34360), (138, 34363), (139, 34366), (145, 34393), (155, 34444), (179, 34510), (181, 34525), (198, 34588), (211, 34645), (225, 34723), (229, 34741),

Gene: Poster_32 Start: 33506, Stop: 34153, Start Num: 64
Candidate Starts for Poster_32:
(Start: 64 @33506 has 28 MA's), (94, 33584), (97, 33596), (115, 33668), (124, 33692), (129, 33713), (130, 33722), (131, 33725), (134, 33734), (135, 33737), (146, 33782), (157, 33836), (164, 33854), (181, 33914), (185, 33926), (205, 33986), (209, 34010), (211, 34028), (225, 34115), (233, 34142),

Gene: Potter_36 Start: 34706, Stop: 35305, Start Num: 84
Candidate Starts for Potter_36:
(26, 34499), (27, 34502), (34, 34526), (41, 34568), (44, 34586), (47, 34601), (Start: 84 @34706 has 463 MA's), (Start: 92 @34736 has 1 MA's), (95, 34748), (107, 34787), (111, 34802), (122, 34856), (134, 34901), (136, 34907), (138, 34913), (140, 34919), (148, 34964), (149, 34967), (155, 34994), (178, 35054), (181, 35075), (205, 35153),

Gene: Potter_35 Start: 34062, Stop: 34709, Start Num: 83
Candidate Starts for Potter_35:
(69, 34023), (Start: 82 @34059 has 112 MA's), (Start: 83 @34062 has 196 MA's), (Start: 105 @34143 has 1 MA's), (136, 34278), (155, 34365), (172, 34410), (186, 34488), (204, 34539), (209, 34566), (211, 34584), (222, 34662), (231, 34695), (235, 34701),

Gene: Prickles_37 Start: 34982, Stop: 35581, Start Num: 84
Candidate Starts for Prickles_37:
(27, 34778), (34, 34802), (41, 34844), (44, 34862), (47, 34877), (Start: 84 @34982 has 463 MA's), (Start: 92 @35012 has 1 MA's), (95, 35024), (107, 35063), (111, 35078), (122, 35132), (134, 35177), (136, 35183), (138, 35189), (140, 35195), (148, 35240), (149, 35243), (155, 35270), (178, 35330), (181, 35351), (205, 35429),

Gene: Prickles_36 Start: 34338, Stop: 34985, Start Num: 83
Candidate Starts for Prickles_36:
(38, 34188), (69, 34299), (Start: 82 @34335 has 112 MA's), (Start: 83 @34338 has 196 MA's), (Start: 105 @34419 has 1 MA's), (136, 34554), (155, 34641), (172, 34686), (186, 34764), (204, 34815), (209, 34842), (211, 34860), (222, 34938), (231, 34971), (235, 34977),

Gene: Prince_33 Start: 34689, Stop: 35336, Start Num: 64
Candidate Starts for Prince_33:
(Start: 64 @34689 has 28 MA's), (94, 34767), (97, 34779), (115, 34851), (124, 34875), (129, 34896), (130, 34905), (131, 34908), (134, 34917), (135, 34920), (146, 34965), (157, 35019), (164, 35037), (181, 35097), (185, 35109), (205, 35169), (209, 35193), (211, 35211), (225, 35298), (233, 35325),

Gene: Prince_34 Start: 35333, Stop: 35938, Start Num: 84
Candidate Starts for Prince_34:
(Start: 84 @35333 has 463 MA's), (Start: 92 @35369 has 1 MA's), (102, 35396), (107, 35420), (108, 35423), (119, 35483), (122, 35489), (134, 35534), (137, 35543), (138, 35546), (139, 35549), (145, 35576), (148, 35597), (179, 35693), (181, 35708), (198, 35771), (211, 35828), (225, 35906), (229, 35924),

Gene: PrinceCharming_36 Start: 34795, Stop: 35439, Start Num: 79
Candidate Starts for PrinceCharming_36:
(32, 34630), (54, 34741), (Start: 79 @34795 has 48 MA's), (Start: 81 @34804 has 1 MA's), (102, 34873), (108, 34900), (110, 34909), (113, 34918), (136, 35026), (140, 35038), (168, 35131), (182, 35197), (186, 35218), (191, 35233), (193, 35239), (200, 35260), (206, 35272), (233, 35428),

Gene: PrinceCharming_38 Start: 35585, Stop: 36184, Start Num: 84

Candidate Starts for PrinceCharming_38:
(Start: 78 @35564 has 51 MA's), (Start: 84 @35585 has 463 MA's), (Start: 92 @35615 has 1 MA's), (98, 35636), (107, 35666), (108, 35669), (122, 35735), (136, 35786), (137, 35789), (138, 35792), (145, 35822), (148, 35843), (171, 35909), (179, 35939), (203, 36029), (205, 36032), (208, 36050), (211, 36074), (222, 36143), (229, 36170),

Gene: ProfessorX_37 Start: 34977, Stop: 35576, Start Num: 84
Candidate Starts for ProfessorX_37:
(27, 34773), (34, 34797), (41, 34839), (44, 34857), (47, 34872), (Start: 84 @34977 has 463 MA's), (Start: 92 @35007 has 1 MA's), (95, 35019), (107, 35058), (111, 35073), (122, 35127), (134, 35172), (136, 35178), (138, 35184), (140, 35190), (148, 35235), (149, 35238), (155, 35265), (178, 35325), (181, 35346),

Gene: ProfessorX_36 Start: 34333, Stop: 34980, Start Num: 83
Candidate Starts for ProfessorX_36:
(38, 34183), (69, 34294), (Start: 82 @34330 has 112 MA's), (Start: 83 @34333 has 196 MA's), (Start: 105 @34414 has 1 MA's), (136, 34549), (155, 34636), (172, 34681), (186, 34759), (204, 34810), (209, 34837), (211, 34855), (222, 34933), (231, 34966), (235, 34972),

Gene: Puhltonio_37 Start: 34998, Stop: 35597, Start Num: 84
Candidate Starts for Puhltonio_37:
(27, 34794), (34, 34818), (41, 34860), (44, 34878), (47, 34893), (Start: 84 @34998 has 463 MA's), (Start: 92 @35028 has 1 MA's), (95, 35040), (107, 35079), (111, 35094), (122, 35148), (134, 35193), (136, 35199), (138, 35205), (140, 35211), (148, 35256), (149, 35259), (155, 35286), (178, 35346), (181, 35367), (205, 35445),

Gene: Puhltonio_36 Start: 34351, Stop: 35001, Start Num: 82
Candidate Starts for Puhltonio_36:
(69, 34315), (Start: 82 @34351 has 112 MA's), (Start: 83 @34354 has 196 MA's), (Start: 105 @34435 has 1 MA's), (136, 34570), (155, 34657), (172, 34702), (186, 34780), (204, 34831), (209, 34858), (211, 34876), (222, 34954), (231, 34987), (235, 34993),

Gene: QueenBeane_37 Start: 34988, Stop: 35587, Start Num: 84
Candidate Starts for QueenBeane_37:
(27, 34784), (34, 34808), (41, 34850), (44, 34868), (47, 34883), (Start: 84 @34988 has 463 MA's), (Start: 92 @35018 has 1 MA's), (95, 35030), (107, 35069), (111, 35084), (122, 35138), (134, 35183), (136, 35189), (138, 35195), (140, 35201), (148, 35246), (149, 35249), (155, 35276), (178, 35336), (181, 35357), (205, 35435),

Gene: QueenBeane_36 Start: 34341, Stop: 34991, Start Num: 82
Candidate Starts for QueenBeane_36:
(69, 34305), (Start: 82 @34341 has 112 MA's), (Start: 83 @34344 has 196 MA's), (Start: 105 @34425 has 1 MA's), (136, 34560), (155, 34647), (172, 34692), (186, 34770), (204, 34821), (209, 34848), (211, 34866), (222, 34944), (231, 34977), (235, 34983),

Gene: QueenPie_32 Start: 34630, Stop: 35277, Start Num: 64
Candidate Starts for QueenPie_32:
(Start: 64 @34630 has 28 MA's), (94, 34708), (97, 34720), (115, 34792), (129, 34837), (130, 34846), (131, 34849), (134, 34858), (135, 34861), (146, 34906), (164, 34978), (181, 35038), (185, 35050), (205, 35110), (209, 35134), (211, 35152), (225, 35239), (226, 35242), (233, 35266),

Gene: QueenPie_33 Start: 35274, Stop: 35879, Start Num: 84
Candidate Starts for QueenPie_33:

(Start: 84 @35274 has 463 MA's), (Start: 92 @35310 has 1 MA's), (107, 35361), (108, 35364), (119, 35424), (122, 35430), (134, 35475), (137, 35484), (138, 35487), (139, 35490), (145, 35517), (148, 35538), (155, 35568), (179, 35634), (181, 35649), (198, 35712), (211, 35769), (225, 35847), (229, 35865),

Gene: Quesadilla_39 Start: 36872, Stop: 37483, Start Num: 85
Candidate Starts for Quesadilla_39:
(48, 36764), (Start: 85 @36872 has 18 MA's), (Start: 92 @36905 has 1 MA's), (102, 36932), (107, 36956), (119, 37019), (122, 37025), (138, 37082), (148, 37133), (149, 37136), (169, 37196), (181, 37244), (190, 37280), (198, 37307), (205, 37322), (211, 37364), (216, 37409),

Gene: Quesadilla_38 Start: 36243, Stop: 36872, Start Num: 88
Candidate Starts for Quesadilla_38:
(29, 36030), (36, 36075), (37, 36078), (42, 36099), (44, 36108), (49, 36138), (57, 36162), (Start: 64 @36186 has 28 MA's), (71, 36195), (Start: 82 @36228 has 112 MA's), (Start: 88 @36243 has 2 MA's), (90, 36249), (109, 36321), (110, 36327), (111, 36330), (138, 36450), (145, 36480), (148, 36501), (178, 36600), (233, 36861),

Gene: Quisquiliae_36 Start: 34372, Stop: 35019, Start Num: 83
Candidate Starts for Quisquiliae_36:
(38, 34222), (69, 34333), (Start: 82 @34369 has 112 MA's), (Start: 83 @34372 has 196 MA's), (Start: 105 @34453 has 1 MA's), (136, 34588), (155, 34675), (172, 34720), (186, 34798), (204, 34849), (209, 34876), (211, 34894), (222, 34972), (231, 35005), (235, 35011),

Gene: Quisquiliae_37 Start: 35016, Stop: 35615, Start Num: 84
Candidate Starts for Quisquiliae_37:
(27, 34812), (34, 34836), (41, 34878), (44, 34896), (47, 34911), (Start: 84 @35016 has 463 MA's), (Start: 92 @35046 has 1 MA's), (95, 35058), (107, 35097), (111, 35112), (122, 35166), (134, 35211), (136, 35217), (138, 35223), (140, 35229), (148, 35274), (149, 35277), (155, 35304), (178, 35364), (181, 35385), (205, 35463),

Gene: Qyrzula_35 Start: 35624, Stop: 36223, Start Num: 84
Candidate Starts for Qyrzula_35:
(Start: 78 @35603 has 51 MA's), (Start: 84 @35624 has 463 MA's), (Start: 92 @35654 has 1 MA's), (98, 35675), (107, 35705), (108, 35708), (122, 35774), (136, 35825), (137, 35828), (138, 35831), (145, 35861), (148, 35882), (171, 35948), (179, 35978), (203, 36068), (205, 36071), (208, 36089), (211, 36113), (222, 36182), (229, 36209),

Gene: Qyrzula_34 Start: 34834, Stop: 35478, Start Num: 79
Candidate Starts for Qyrzula_34:
(22, 34633), (Start: 79 @34834 has 48 MA's), (Start: 81 @34843 has 1 MA's), (102, 34912), (108, 34939), (110, 34948), (132, 35053), (136, 35065), (140, 35077), (168, 35170), (182, 35236), (186, 35257), (191, 35272), (193, 35278), (200, 35299), (206, 35311), (233, 35467),

Gene: RagingRooster_37 Start: 34930, Stop: 35529, Start Num: 84
Candidate Starts for RagingRooster_37:
(Start: 84 @34930 has 463 MA's), (Start: 92 @34960 has 1 MA's), (102, 34987), (119, 35074), (140, 35143), (145, 35167), (148, 35188), (178, 35278), (198, 35362), (203, 35374), (213, 35434), (224, 35494), (229, 35515),

Gene: RagingRooster_36 Start: 34280, Stop: 34933, Start Num: 78
Candidate Starts for RagingRooster_36:

(Start: 78 @34280 has 51 MA's), (102, 34361), (107, 34385), (135, 34508), (170, 34634), (177, 34649), (189, 34724), (223, 34889), (224, 34892), (231, 34919),

Gene: RawrgerThat_34 Start: 35178, Stop: 35783, Start Num: 84
Candidate Starts for RawrgerThat_34:
(Start: 84 @35178 has 463 MA's), (Start: 92 @35214 has 1 MA's), (102, 35241), (107, 35265), (108, 35268), (119, 35328), (122, 35334), (134, 35379), (137, 35388), (138, 35391), (139, 35394), (145, 35421), (148, 35442), (155, 35472), (179, 35538), (181, 35553), (198, 35616), (211, 35673), (225, 35751), (229, 35769),

Gene: RawrgerThat_33 Start: 34534, Stop: 35181, Start Num: 64
Candidate Starts for RawrgerThat_33:
(Start: 64 @34534 has 28 MA's), (94, 34612), (97, 34624), (115, 34696), (130, 34750), (131, 34753), (134, 34762), (146, 34810), (157, 34864), (164, 34882), (181, 34942), (185, 34954), (209, 35038), (211, 35056), (225, 35143), (226, 35146), (233, 35170),

Gene: Reccee_35 Start: 35140, Stop: 35769, Start Num: 82
Candidate Starts for Reccee_35:
(Start: 82 @35140 has 112 MA's), (104, 35218), (108, 35230), (118, 35290), (135, 35356), (138, 35365), (140, 35371), (148, 35416), (168, 35464), (170, 35470), (211, 35644), (233, 35758),

Gene: Reccee_36 Start: 35766, Stop: 36374, Start Num: 84
Candidate Starts for Reccee_36:
(16, 35433), (27, 35565), (34, 35589), (44, 35646), (Start: 84 @35766 has 463 MA's), (Start: 92 @35796 has 1 MA's), (116, 35895), (119, 35910), (122, 35916), (127, 35931), (136, 35967), (138, 35973), (140, 35979), (149, 36027), (198, 36198), (201, 36204), (225, 36342), (229, 36360),

Gene: RedMaple_36 Start: 34995, Stop: 35594, Start Num: 84
Candidate Starts for RedMaple_36:
(27, 34791), (34, 34815), (41, 34857), (44, 34875), (47, 34890), (Start: 84 @34995 has 463 MA's), (Start: 92 @35025 has 1 MA's), (95, 35037), (107, 35076), (111, 35091), (122, 35145), (134, 35190), (136, 35196), (138, 35202), (140, 35208), (148, 35253), (149, 35256), (155, 35283), (178, 35343), (181, 35364), (205, 35442),

Gene: RedMaple_35 Start: 34351, Stop: 34998, Start Num: 83
Candidate Starts for RedMaple_35:
(38, 34201), (69, 34312), (Start: 82 @34348 has 112 MA's), (Start: 83 @34351 has 196 MA's), (Start: 105 @34432 has 1 MA's), (136, 34567), (155, 34654), (172, 34699), (186, 34777), (204, 34828), (209, 34855), (211, 34873), (222, 34951), (231, 34984), (235, 34990),

Gene: RedRaider89_38 Start: 35215, Stop: 35814, Start Num: 84
Candidate Starts for RedRaider89_38:
(27, 35011), (34, 35035), (41, 35077), (44, 35095), (47, 35110), (Start: 84 @35215 has 463 MA's), (Start: 92 @35245 has 1 MA's), (95, 35257), (107, 35296), (111, 35311), (112, 35314), (122, 35365), (134, 35410), (136, 35416), (138, 35422), (140, 35428), (148, 35473), (149, 35476), (155, 35503), (178, 35563), (181, 35584), (205, 35662),

Gene: RedRaider89_37 Start: 34571, Stop: 35218, Start Num: 83
Candidate Starts for RedRaider89_37:
(38, 34421), (69, 34532), (Start: 82 @34568 has 112 MA's), (Start: 83 @34571 has 196 MA's), (Start: 105 @34652 has 1 MA's), (136, 34787), (155, 34874), (172, 34919), (186, 34997), (204, 35048), (209, 35075), (211, 35093), (222, 35171), (231, 35204), (235, 35210),

Gene: Renkei_32 Start: 33540, Stop: 34187, Start Num: 64
Candidate Starts for Renkei_32:
(Start: 64 @33540 has 28 MA's), (94, 33618), (97, 33630), (115, 33702), (124, 33726), (129, 33747), (130, 33756), (131, 33759), (134, 33768), (135, 33771), (146, 33816), (157, 33870), (164, 33888), (181, 33948), (185, 33960), (205, 34020), (209, 34044), (211, 34062), (225, 34149), (233, 34176),

Gene: Renkei_33 Start: 34184, Stop: 34789, Start Num: 84
Candidate Starts for Renkei_33:
(Start: 84 @34184 has 463 MA's), (Start: 92 @34220 has 1 MA's), (102, 34247), (107, 34271), (108, 34274), (119, 34334), (122, 34340), (134, 34385), (137, 34394), (138, 34397), (139, 34400), (145, 34427), (148, 34448), (179, 34544), (181, 34559), (198, 34622), (225, 34757), (229, 34775),

Gene: Reprobate_36 Start: 35864, Stop: 36475, Start Num: 84
Candidate Starts for Reprobate_36:
(34, 35687), (44, 35744), (47, 35759), (Start: 84 @35864 has 463 MA's), (Start: 92 @35897 has 1 MA's), (107, 35948), (119, 36011), (122, 36017), (136, 36068), (138, 36074), (140, 36080), (149, 36128), (196, 36293), (198, 36299), (205, 36314), (225, 36443), (229, 36461),

Gene: Reprobate_35 Start: 35238, Stop: 35867, Start Num: 82
Candidate Starts for Reprobate_35:
(Start: 82 @35238 has 112 MA's), (96, 35292), (108, 35328), (118, 35388), (124, 35409), (132, 35445), (135, 35454), (136, 35457), (138, 35463), (148, 35514), (168, 35562), (170, 35568), (211, 35742), (227, 35835), (233, 35856),

Gene: Rhinoforte_38 Start: 35587, Stop: 36186, Start Num: 84
Candidate Starts for Rhinoforte_38:
(Start: 78 @35566 has 51 MA's), (Start: 84 @35587 has 463 MA's), (Start: 92 @35617 has 1 MA's), (98, 35638), (107, 35668), (108, 35671), (122, 35737), (136, 35788), (137, 35791), (138, 35794), (145, 35824), (148, 35845), (171, 35911), (179, 35941), (203, 36031), (205, 36034), (208, 36052), (211, 36076), (222, 36145), (229, 36172),

Gene: Rhinoforte_36 Start: 34797, Stop: 35441, Start Num: 79
Candidate Starts for Rhinoforte_36:
(32, 34632), (54, 34743), (Start: 79 @34797 has 48 MA's), (Start: 81 @34806 has 1 MA's), (102, 34875), (108, 34902), (110, 34911), (113, 34920), (136, 35028), (140, 35040), (168, 35133), (182, 35199), (186, 35220), (191, 35235), (193, 35241), (200, 35262), (206, 35274), (233, 35430),

Gene: Rich_34 Start: 34744, Stop: 35373, Start Num: 82
Candidate Starts for Rich_34:
(Start: 82 @34744 has 112 MA's), (104, 34822), (108, 34834), (118, 34894), (135, 34960), (138, 34969), (140, 34975), (148, 35020), (168, 35068), (170, 35074), (211, 35248), (227, 35341), (233, 35362),

Gene: Rich_35 Start: 35480, Stop: 36088, Start Num: 84
Candidate Starts for Rich_35:
(Start: 84 @35480 has 463 MA's), (Start: 92 @35510 has 1 MA's), (122, 35630), (127, 35645), (136, 35681), (138, 35687), (140, 35693), (149, 35741), (196, 35906), (198, 35912), (216, 36014), (225, 36056), (229, 36074),

Gene: Ricotta_35 Start: 34070, Stop: 34717, Start Num: 83
Candidate Starts for Ricotta_35:
(69, 34031), (Start: 82 @34067 has 112 MA's), (Start: 83 @34070 has 196 MA's), (Start: 105 @34151 has 1 MA's), (136, 34286), (155, 34373), (172, 34418), (186, 34496), (204, 34547), (209, 34574), (211,

34592), (222, 34670), (231, 34703), (235, 34709),

Gene: Ricotta_36 Start: 34714, Stop: 35313, Start Num: 84
Candidate Starts for Ricotta_36:
(27, 34510), (34, 34534), (41, 34576), (44, 34594), (47, 34609), (Start: 84 @34714 has 463 MA's), (Start: 92 @34744 has 1 MA's), (95, 34756), (107, 34795), (111, 34810), (122, 34864), (134, 34909), (136, 34915), (138, 34921), (140, 34927), (148, 34972), (149, 34975), (155, 35002), (178, 35062), (181, 35083), (205, 35161),

Gene: Riggan_36 Start: 34328, Stop: 34978, Start Num: 82
Candidate Starts for Riggan_36:
(38, 34181), (69, 34292), (Start: 82 @34328 has 112 MA's), (Start: 83 @34331 has 196 MA's), (Start: 105 @34412 has 1 MA's), (136, 34547), (155, 34634), (172, 34679), (186, 34757), (204, 34808), (209, 34835), (211, 34853), (222, 34931), (231, 34964), (235, 34970),

Gene: Riggan_37 Start: 34975, Stop: 35574, Start Num: 84
Candidate Starts for Riggan_37:
(27, 34771), (34, 34795), (41, 34837), (44, 34855), (47, 34870), (Start: 84 @34975 has 463 MA's), (Start: 92 @35005 has 1 MA's), (107, 35056), (111, 35071), (122, 35125), (134, 35170), (136, 35176), (138, 35182), (140, 35188), (148, 35233), (149, 35236), (155, 35263), (178, 35323), (181, 35344), (205, 35422),

Gene: Rimu_37 Start: 34724, Stop: 35323, Start Num: 84
Candidate Starts for Rimu_37:
(26, 34517), (27, 34520), (34, 34544), (41, 34586), (44, 34604), (47, 34619), (Start: 84 @34724 has 463 MA's), (Start: 92 @34754 has 1 MA's), (95, 34766), (107, 34805), (111, 34820), (122, 34874), (134, 34919), (136, 34925), (138, 34931), (140, 34937), (148, 34982), (149, 34985), (155, 35012), (178, 35072), (181, 35093), (198, 35156), (205, 35171),

Gene: Rimu_36 Start: 34080, Stop: 34727, Start Num: 83
Candidate Starts for Rimu_36:
(69, 34041), (Start: 82 @34077 has 112 MA's), (Start: 83 @34080 has 196 MA's), (Start: 105 @34161 has 1 MA's), (136, 34296), (155, 34383), (172, 34428), (185, 34497), (186, 34506), (204, 34557), (211, 34602), (222, 34680), (231, 34713), (235, 34719),

Gene: Rinkes_37 Start: 35800, Stop: 36447, Start Num: 82
Candidate Starts for Rinkes_37:
(75, 35779), (Start: 82 @35800 has 112 MA's), (104, 35875), (109, 35893), (110, 35899), (121, 35962), (132, 36004), (135, 36013), (136, 36016), (138, 36022), (163, 36133), (182, 36208), (204, 36280), (211, 36322), (226, 36412), (231, 36433), (233, 36436),

Gene: Rinkes_38 Start: 36444, Stop: 37049, Start Num: 84
Candidate Starts for Rinkes_38:
(59, 36390), (Start: 84 @36444 has 463 MA's), (Start: 88 @36450 has 2 MA's), (Start: 92 @36474 has 1 MA's), (95, 36486), (102, 36501), (104, 36516), (107, 36525), (119, 36588), (122, 36594), (134, 36639), (136, 36645), (138, 36651), (142, 36675), (145, 36681), (148, 36702), (169, 36765), (203, 36888), (205, 36891), (211, 36933), (215, 36957), (216, 36978), (224, 37017), (225, 37020), (227, 37026), (229, 37038),

Gene: Rita130_35 Start: 34960, Stop: 35589, Start Num: 82
Candidate Starts for Rita130_35:
(Start: 82 @34960 has 112 MA's), (104, 35038), (108, 35050), (118, 35110), (135, 35176), (138, 35185), (140, 35191), (148, 35236), (168, 35284), (170, 35290), (211, 35464), (233, 35578),

Gene: Rita130_36 Start: 35586, Stop: 36194, Start Num: 84
Candidate Starts for Rita130_36:
(16, 35253), (27, 35385), (34, 35409), (44, 35466), (Start: 84 @35586 has 463 MA's), (Start: 92 @35616 has 1 MA's), (116, 35715), (119, 35730), (122, 35736), (127, 35751), (136, 35787), (138, 35793), (140, 35799), (149, 35847), (198, 36018), (201, 36024), (225, 36162), (229, 36180),

Gene: Rita1961_37 Start: 34913, Stop: 35512, Start Num: 84
Candidate Starts for Rita1961_37:
(26, 34709), (Start: 84 @34913 has 463 MA's), (Start: 92 @34943 has 1 MA's), (102, 34970), (119, 35057), (122, 35063), (140, 35126), (145, 35150), (178, 35261), (198, 35345), (203, 35357), (213, 35417), (229, 35498),

Gene: Rita1961_36 Start: 34263, Stop: 34916, Start Num: 78
Candidate Starts for Rita1961_36:
(Start: 78 @34263 has 51 MA's), (102, 34344), (107, 34368), (135, 34491), (170, 34617), (177, 34632), (189, 34707), (223, 34872), (231, 34902),

Gene: Riverton_37 Start: 34996, Stop: 35595, Start Num: 84
Candidate Starts for Riverton_37:
(27, 34792), (34, 34816), (41, 34858), (44, 34876), (47, 34891), (Start: 84 @34996 has 463 MA's), (Start: 92 @35026 has 1 MA's), (95, 35038), (107, 35077), (111, 35092), (122, 35146), (134, 35191), (136, 35197), (138, 35203), (140, 35209), (148, 35254), (149, 35257), (155, 35284), (178, 35344), (181, 35365), (205, 35443),

Gene: Riverton_36 Start: 34352, Stop: 34999, Start Num: 83
Candidate Starts for Riverton_36:
(38, 34202), (69, 34313), (Start: 82 @34349 has 112 MA's), (Start: 83 @34352 has 196 MA's), (Start: 105 @34433 has 1 MA's), (136, 34568), (155, 34655), (172, 34700), (186, 34778), (204, 34829), (209, 34856), (211, 34874), (222, 34952), (231, 34985), (235, 34991),

Gene: Robyn_35 Start: 33915, Stop: 34562, Start Num: 83
Candidate Starts for Robyn_35:
(38, 33765), (69, 33876), (Start: 82 @33912 has 112 MA's), (Start: 83 @33915 has 196 MA's), (Start: 105 @33996 has 1 MA's), (136, 34131), (155, 34218), (172, 34263), (186, 34341), (204, 34392), (209, 34419), (211, 34437), (222, 34515), (231, 34548), (235, 34554),

Gene: Robyn_36 Start: 34559, Stop: 35158, Start Num: 84
Candidate Starts for Robyn_36:
(27, 34355), (34, 34379), (41, 34421), (44, 34439), (47, 34454), (Start: 84 @34559 has 463 MA's), (Start: 92 @34589 has 1 MA's), (95, 34601), (107, 34640), (111, 34655), (122, 34709), (134, 34754), (136, 34760), (138, 34766), (140, 34772), (148, 34817), (149, 34820), (155, 34847), (178, 34907), (181, 34928), (205, 35006),

Gene: Roliet_37 Start: 34984, Stop: 35583, Start Num: 84
Candidate Starts for Roliet_37:
(27, 34780), (34, 34804), (41, 34846), (44, 34864), (47, 34879), (Start: 84 @34984 has 463 MA's), (Start: 92 @35014 has 1 MA's), (95, 35026), (107, 35065), (111, 35080), (122, 35134), (134, 35179), (136, 35185), (138, 35191), (140, 35197), (148, 35242), (149, 35245), (155, 35272), (178, 35332), (181, 35353), (205, 35431),

Gene: Roliet_36 Start: 34337, Stop: 34987, Start Num: 82
Candidate Starts for Roliet_36:

(38, 34190), (69, 34301), (Start: 82 @34337 has 112 MA's), (Start: 83 @34340 has 196 MA's), (Start: 105 @34421 has 1 MA's), (136, 34556), (155, 34643), (172, 34688), (186, 34766), (204, 34817), (209, 34844), (211, 34862), (222, 34940), (231, 34973), (235, 34979),

Gene: RomaT_36 Start: 35053, Stop: 35706, Start Num: 78
Candidate Starts for RomaT_36:
(Start: 78 @35053 has 51 MA's), (102, 35134), (107, 35158), (135, 35281), (170, 35407), (177, 35422), (189, 35497), (223, 35662),

Gene: RomaT_37 Start: 35703, Stop: 36302, Start Num: 84
Candidate Starts for RomaT_37:
(Start: 84 @35703 has 463 MA's), (Start: 92 @35733 has 1 MA's), (102, 35760), (119, 35847), (122, 35853), (140, 35916), (145, 35940), (148, 35961), (178, 36051), (198, 36135), (203, 36147), (213, 36207), (224, 36267), (229, 36288),

Gene: Roscoe_37 Start: 34578, Stop: 35225, Start Num: 83
Candidate Starts for Roscoe_37:
(38, 34428), (69, 34539), (Start: 82 @34575 has 112 MA's), (Start: 83 @34578 has 196 MA's), (Start: 105 @34659 has 1 MA's), (136, 34794), (155, 34881), (172, 34926), (186, 35004), (204, 35055), (209, 35082), (211, 35100), (222, 35178), (231, 35211), (235, 35217),

Gene: Roscoe_38 Start: 35222, Stop: 35821, Start Num: 84
Candidate Starts for Roscoe_38:
(27, 35018), (34, 35042), (41, 35084), (44, 35102), (47, 35117), (Start: 84 @35222 has 463 MA's), (Start: 92 @35252 has 1 MA's), (95, 35264), (107, 35303), (111, 35318), (122, 35372), (134, 35417), (136, 35423), (138, 35429), (140, 35435), (148, 35480), (149, 35483), (155, 35510), (178, 35570), (181, 35591),

Gene: Rosebush_37 Start: 35594, Stop: 36193, Start Num: 84
Candidate Starts for Rosebush_37:
(Start: 78 @35573 has 51 MA's), (Start: 84 @35594 has 463 MA's), (Start: 92 @35624 has 1 MA's), (98, 35645), (107, 35675), (108, 35678), (122, 35744), (136, 35795), (137, 35798), (138, 35801), (145, 35831), (148, 35852), (171, 35918), (179, 35948), (203, 36038), (205, 36041), (208, 36059), (211, 36083), (222, 36152), (229, 36179),

Gene: Rosebush_36 Start: 34804, Stop: 35448, Start Num: 79
Candidate Starts for Rosebush_36:
(32, 34639), (54, 34750), (Start: 79 @34804 has 48 MA's), (Start: 81 @34813 has 1 MA's), (102, 34882), (108, 34909), (110, 34918), (113, 34927), (136, 35035), (140, 35047), (168, 35140), (182, 35206), (186, 35227), (191, 35242), (193, 35248), (200, 35269), (206, 35281), (233, 35437),

Gene: Roy17_37 Start: 34688, Stop: 35287, Start Num: 84
Candidate Starts for Roy17_37:
(27, 34484), (34, 34508), (41, 34550), (44, 34568), (47, 34583), (Start: 84 @34688 has 463 MA's), (Start: 92 @34718 has 1 MA's), (95, 34730), (107, 34769), (111, 34784), (122, 34838), (134, 34883), (136, 34889), (138, 34895), (140, 34901), (148, 34946), (149, 34949), (155, 34976), (178, 35036), (181, 35057),

Gene: Roy17_36 Start: 34044, Stop: 34691, Start Num: 83
Candidate Starts for Roy17_36:
(38, 33894), (69, 34005), (Start: 82 @34041 has 112 MA's), (Start: 83 @34044 has 196 MA's), (Start: 105 @34125 has 1 MA's), (136, 34260), (155, 34347), (172, 34392), (186, 34470), (204, 34521), (209, 34548), (211, 34566), (222, 34644), (231, 34677), (235, 34683),

Gene: SDcharge11_37 Start: 34962, Stop: 35561, Start Num: 84
Candidate Starts for SDcharge11_37:
(27, 34758), (34, 34782), (41, 34824), (44, 34842), (47, 34857), (Start: 84 @34962 has 463 MA's), (Start: 92 @34992 has 1 MA's), (95, 35004), (107, 35043), (111, 35058), (122, 35112), (134, 35157), (136, 35163), (138, 35169), (140, 35175), (148, 35220), (149, 35223), (155, 35250), (178, 35310), (181, 35331), (205, 35409),

Gene: SDcharge11_36 Start: 34315, Stop: 34965, Start Num: 82
Candidate Starts for SDcharge11_36:
(38, 34168), (69, 34279), (Start: 82 @34315 has 112 MA's), (Start: 83 @34318 has 196 MA's), (Start: 105 @34399 has 1 MA's), (136, 34534), (155, 34621), (172, 34666), (186, 34744), (204, 34795), (209, 34822), (211, 34840), (222, 34918), (231, 34951), (235, 34957),

Gene: Sabella_37 Start: 35471, Stop: 36070, Start Num: 84
Candidate Starts for Sabella_37:
(Start: 78 @35450 has 51 MA's), (Start: 84 @35471 has 463 MA's), (Start: 92 @35501 has 1 MA's), (98, 35522), (107, 35552), (108, 35555), (122, 35621), (136, 35672), (137, 35675), (138, 35678), (145, 35708), (148, 35729), (171, 35795), (179, 35825), (203, 35915), (205, 35918), (208, 35936), (211, 35960), (222, 36029), (229, 36056),

Gene: Sabella_36 Start: 34681, Stop: 35325, Start Num: 79
Candidate Starts for Sabella_36:
(32, 34516), (54, 34627), (Start: 79 @34681 has 48 MA's), (Start: 81 @34690 has 1 MA's), (102, 34759), (108, 34786), (110, 34795), (113, 34804), (136, 34912), (140, 34924), (168, 35017), (182, 35083), (186, 35104), (191, 35119), (193, 35125), (200, 35146), (206, 35158), (233, 35314),

Gene: Saguaro_37 Start: 35881, Stop: 36525, Start Num: 82
Candidate Starts for Saguaro_37:
(77, 35872), (Start: 82 @35881 has 112 MA's), (Start: 88 @35896 has 2 MA's), (91, 35914), (104, 35959), (110, 35980), (127, 36061), (136, 36097), (148, 36154), (168, 36220), (170, 36226), (182, 36286), (228, 36499), (233, 36514),

Gene: Saguaro_38 Start: 36522, Stop: 37121, Start Num: 84
Candidate Starts for Saguaro_38:
(9, 36129), (27, 36321), (34, 36345), (59, 36468), (Start: 84 @36522 has 463 MA's), (Start: 92 @36552 has 1 MA's), (104, 36594), (119, 36666), (122, 36672), (136, 36723), (138, 36729), (140, 36735), (148, 36780), (149, 36783), (198, 36954), (203, 36966), (205, 36969),

Gene: SallyH_37 Start: 34998, Stop: 35597, Start Num: 84
Candidate Starts for SallyH_37:
(27, 34794), (34, 34818), (41, 34860), (44, 34878), (47, 34893), (Start: 84 @34998 has 463 MA's), (Start: 92 @35028 has 1 MA's), (95, 35040), (107, 35079), (111, 35094), (122, 35148), (134, 35193), (136, 35199), (138, 35205), (140, 35211), (148, 35256), (149, 35259), (155, 35286), (178, 35346), (181, 35367), (205, 35445),

Gene: SallyH_36 Start: 34354, Stop: 35001, Start Num: 83
Candidate Starts for SallyH_36:
(69, 34315), (Start: 82 @34351 has 112 MA's), (Start: 83 @34354 has 196 MA's), (Start: 105 @34435 has 1 MA's), (136, 34570), (155, 34657), (172, 34702), (186, 34780), (204, 34831), (209, 34858), (211, 34876), (222, 34954), (231, 34987), (235, 34993),

Gene: Samaymay_36 Start: 34344, Stop: 34991, Start Num: 83

Candidate Starts for Samaymay_36:
(69, 34305), (Start: 82 @34341 has 112 MA's), (Start: 83 @34344 has 196 MA's), (Start: 105 @34425 has 1 MA's), (136, 34560), (155, 34647), (172, 34692), (186, 34770), (204, 34821), (209, 34848), (211, 34866), (222, 34944), (231, 34977), (235, 34983),

Gene: Samaymay_37 Start: 34988, Stop: 35587, Start Num: 84
Candidate Starts for Samaymay_37:
(27, 34784), (34, 34808), (41, 34850), (44, 34868), (47, 34883), (Start: 84 @34988 has 463 MA's), (Start: 92 @35018 has 1 MA's), (95, 35030), (107, 35069), (111, 35084), (122, 35138), (134, 35183), (136, 35189), (138, 35195), (140, 35201), (148, 35246), (149, 35249), (155, 35276), (178, 35336), (181, 35357), (205, 35435),

Gene: SassyCat97_36 Start: 34694, Stop: 35293, Start Num: 84
Candidate Starts for SassyCat97_36:
(27, 34490), (34, 34514), (41, 34556), (44, 34574), (47, 34589), (Start: 84 @34694 has 463 MA's), (Start: 92 @34724 has 1 MA's), (95, 34736), (107, 34775), (111, 34790), (122, 34844), (134, 34889), (136, 34895), (138, 34901), (140, 34907), (148, 34952), (149, 34955), (155, 34982), (178, 35042), (181, 35063), (205, 35141),

Gene: SassyCat97_35 Start: 34050, Stop: 34697, Start Num: 83
Candidate Starts for SassyCat97_35:
(69, 34011), (Start: 82 @34047 has 112 MA's), (Start: 83 @34050 has 196 MA's), (Start: 105 @34131 has 1 MA's), (136, 34266), (155, 34353), (172, 34398), (186, 34476), (204, 34527), (209, 34554), (211, 34572), (222, 34650), (231, 34683), (235, 34689),

Gene: Schadenfreude_36 Start: 34545, Stop: 35144, Start Num: 84
Candidate Starts for Schadenfreude_36:
(27, 34341), (34, 34365), (41, 34407), (44, 34425), (47, 34440), (Start: 84 @34545 has 463 MA's), (Start: 92 @34575 has 1 MA's), (95, 34587), (107, 34626), (111, 34641), (122, 34695), (134, 34740), (136, 34746), (138, 34752), (140, 34758), (148, 34803), (149, 34806), (155, 34833), (178, 34893), (181, 34914), (205, 34992),

Gene: Schadenfreude_35 Start: 33901, Stop: 34548, Start Num: 83
Candidate Starts for Schadenfreude_35:
(38, 33751), (69, 33862), (Start: 82 @33898 has 112 MA's), (Start: 83 @33901 has 196 MA's), (Start: 105 @33982 has 1 MA's), (136, 34117), (155, 34204), (172, 34249), (186, 34327), (204, 34378), (209, 34405), (211, 34423), (222, 34501), (231, 34534), (235, 34540),

Gene: Schueller_36 Start: 34710, Stop: 35309, Start Num: 84
Candidate Starts for Schueller_36:
(26, 34503), (27, 34506), (34, 34530), (41, 34572), (44, 34590), (47, 34605), (Start: 84 @34710 has 463 MA's), (Start: 92 @34740 has 1 MA's), (95, 34752), (107, 34791), (111, 34806), (122, 34860), (134, 34905), (136, 34911), (138, 34917), (140, 34923), (148, 34968), (149, 34971), (155, 34998), (178, 35058), (181, 35079), (198, 35142), (205, 35157),

Gene: Schueller_35 Start: 34066, Stop: 34713, Start Num: 83
Candidate Starts for Schueller_35:
(69, 34027), (Start: 82 @34063 has 112 MA's), (Start: 83 @34066 has 196 MA's), (Start: 105 @34147 has 1 MA's), (136, 34282), (155, 34369), (172, 34414), (186, 34492), (204, 34543), (209, 34570), (211, 34588), (222, 34666), (231, 34699), (235, 34705),

Gene: Scoot17C_37 Start: 34987, Stop: 35586, Start Num: 84
Candidate Starts for Scoot17C_37:

(27, 34783), (34, 34807), (41, 34849), (44, 34867), (47, 34882), (Start: 84 @34987 has 463 MA's), (Start: 92 @35017 has 1 MA's), (95, 35029), (107, 35068), (111, 35083), (122, 35137), (134, 35182), (136, 35188), (138, 35194), (140, 35200), (148, 35245), (149, 35248), (155, 35275), (178, 35335), (181, 35356), (205, 35434),

Gene: Scoot17C_36 Start: 34340, Stop: 34990, Start Num: 82
Candidate Starts for Scoot17C_36:
(69, 34304), (Start: 82 @34340 has 112 MA's), (Start: 83 @34343 has 196 MA's), (Start: 105 @34424 has 1 MA's), (136, 34559), (155, 34646), (172, 34691), (186, 34769), (204, 34820), (209, 34847), (211, 34865), (222, 34943), (231, 34976), (235, 34982),

Gene: Scrick_37 Start: 34712, Stop: 35311, Start Num: 84
Candidate Starts for Scrick_37:
(27, 34508), (34, 34532), (41, 34574), (44, 34592), (47, 34607), (Start: 84 @34712 has 463 MA's), (Start: 92 @34742 has 1 MA's), (95, 34754), (107, 34793), (111, 34808), (122, 34862), (134, 34907), (136, 34913), (138, 34919), (140, 34925), (148, 34970), (149, 34973), (155, 35000), (178, 35060), (181, 35081), (205, 35159),

Gene: Scrick_36 Start: 34068, Stop: 34715, Start Num: 83
Candidate Starts for Scrick_36:
(69, 34029), (Start: 82 @34065 has 112 MA's), (Start: 83 @34068 has 196 MA's), (Start: 105 @34149 has 1 MA's), (136, 34284), (155, 34371), (172, 34416), (186, 34494), (204, 34545), (209, 34572), (211, 34590), (222, 34668), (231, 34701), (235, 34707),

Gene: Sejanus_32 Start: 32369, Stop: 32968, Start Num: 84
Candidate Starts for Sejanus_32:
(41, 32231), (44, 32249), (73, 32333), (Start: 84 @32369 has 463 MA's), (89, 32381), (Start: 92 @32399 has 1 MA's), (102, 32426), (119, 32513), (136, 32570), (138, 32576), (184, 32753), (198, 32801), (226, 32939), (229, 32954),

Gene: Sejanus_31 Start: 31728, Stop: 32372, Start Num: 79
Candidate Starts for Sejanus_31:
(21, 31488), (54, 31662), (Start: 79 @31728 has 48 MA's), (98, 31800), (108, 31833), (110, 31842), (115, 31875), (118, 31893), (123, 31908), (132, 31947), (140, 31971), (148, 32016), (168, 32064), (170, 32070), (185, 32142), (186, 32151), (189, 32160), (200, 32193), (211, 32247), (231, 32358), (233, 32361),

Gene: Selr12_37 Start: 34715, Stop: 35314, Start Num: 84
Candidate Starts for Selr12_37:
(27, 34511), (34, 34535), (41, 34577), (44, 34595), (47, 34610), (Start: 84 @34715 has 463 MA's), (Start: 92 @34745 has 1 MA's), (95, 34757), (107, 34796), (111, 34811), (122, 34865), (134, 34910), (136, 34916), (138, 34922), (140, 34928), (148, 34973), (149, 34976), (155, 35003), (178, 35063), (181, 35084), (205, 35162),

Gene: Selr12_36 Start: 34071, Stop: 34718, Start Num: 83
Candidate Starts for Selr12_36:
(69, 34032), (Start: 82 @34068 has 112 MA's), (Start: 83 @34071 has 196 MA's), (Start: 105 @34152 has 1 MA's), (136, 34287), (155, 34374), (172, 34419), (186, 34497), (204, 34548), (209, 34575), (211, 34593), (222, 34671), (231, 34704), (235, 34710),

Gene: Serendipitous_34 Start: 34805, Stop: 35434, Start Num: 82
Candidate Starts for Serendipitous_34:

(Start: 82 @34805 has 112 MA's), (104, 34883), (108, 34895), (135, 35021), (138, 35030), (140, 35036), (168, 35129), (170, 35135), (211, 35309), (233, 35423),

Gene: Serendipitous_35 Start: 35431, Stop: 36039, Start Num: 84
Candidate Starts for Serendipitous_35:
(Start: 84 @35431 has 463 MA's), (Start: 92 @35461 has 1 MA's), (107, 35512), (119, 35575), (122, 35581), (136, 35632), (138, 35638), (140, 35644), (149, 35692), (196, 35857), (198, 35863), (201, 35869), (205, 35878), (216, 35965), (225, 36007), (229, 36025),

Gene: Serendipity_37 Start: 35012, Stop: 35611, Start Num: 84
Candidate Starts for Serendipity_37:
(27, 34808), (34, 34832), (41, 34874), (44, 34892), (47, 34907), (Start: 84 @35012 has 463 MA's), (Start: 92 @35042 has 1 MA's), (95, 35054), (107, 35093), (111, 35108), (122, 35162), (134, 35207), (136, 35213), (138, 35219), (140, 35225), (148, 35270), (149, 35273), (155, 35300), (178, 35360), (181, 35381), (205, 35459),

Gene: Serendipity_36 Start: 34365, Stop: 35015, Start Num: 82
Candidate Starts for Serendipity_36:
(69, 34329), (Start: 82 @34365 has 112 MA's), (Start: 83 @34368 has 196 MA's), (Start: 105 @34449 has 1 MA's), (136, 34584), (155, 34671), (172, 34716), (186, 34794), (204, 34845), (209, 34872), (211, 34890), (222, 34968), (231, 35001), (235, 35007),

Gene: Serpentine_0037 Start: 34993, Stop: 35592, Start Num: 84
Candidate Starts for Serpentine_0037:
(26, 34786), (27, 34789), (34, 34813), (41, 34855), (44, 34873), (47, 34888), (Start: 84 @34993 has 463 MA's), (Start: 92 @35023 has 1 MA's), (95, 35035), (107, 35074), (111, 35089), (122, 35143), (134, 35188), (136, 35194), (138, 35200), (140, 35206), (148, 35251), (149, 35254), (155, 35281), (178, 35341), (181, 35362), (205, 35440),

Gene: Serpentine_0036 Start: 34346, Stop: 34996, Start Num: 82
Candidate Starts for Serpentine_0036:
(69, 34310), (Start: 82 @34346 has 112 MA's), (Start: 83 @34349 has 196 MA's), (Start: 105 @34430 has 1 MA's), (136, 34565), (155, 34652), (172, 34697), (186, 34775), (204, 34826), (209, 34853), (211, 34871), (222, 34949), (231, 34982), (235, 34988),

Gene: ShadowBud_36 Start: 34369, Stop: 35016, Start Num: 83
Candidate Starts for ShadowBud_36:
(38, 34219), (69, 34330), (Start: 82 @34366 has 112 MA's), (Start: 83 @34369 has 196 MA's), (Start: 105 @34450 has 1 MA's), (136, 34585), (155, 34672), (172, 34717), (186, 34795), (204, 34846), (209, 34873), (211, 34891), (222, 34969), (231, 35002), (235, 35008),

Gene: ShadowBud_37 Start: 35013, Stop: 35612, Start Num: 84
Candidate Starts for ShadowBud_37:
(27, 34809), (34, 34833), (41, 34875), (44, 34893), (47, 34908), (Start: 84 @35013 has 463 MA's), (Start: 92 @35043 has 1 MA's), (95, 35055), (107, 35094), (111, 35109), (122, 35163), (134, 35208), (136, 35214), (138, 35220), (140, 35226), (148, 35271), (149, 35274), (155, 35301), (178, 35361), (181, 35382), (205, 35460),

Gene: Shatter_29 Start: 27488, Stop: 28102, Start Num: 85
Candidate Starts for Shatter_29:
(39, 27338), (Start: 85 @27488 has 18 MA's), (90, 27503), (Start: 93 @27521 has 1 MA's), (104, 27557), (111, 27581), (117, 27620), (135, 27689), (136, 27692), (137, 27695), (168, 27797), (219, 28034), (222, 28055), (224, 28061), (233, 28091),

Gene: Shatter_30 Start: 28099, Stop: 28731, Start Num: 84
Candidate Starts for Shatter_30:
(34, 27922), (Start: 84 @28099 has 463 MA's), (Start: 92 @28132 has 1 MA's), (102, 28159), (122, 28252), (135, 28300), (138, 28309), (148, 28360), (169, 28423), (171, 28426), (185, 28489), (205, 28549), (207, 28558), (208, 28567), (227, 28705),

Gene: Sheila_36 Start: 34386, Stop: 35033, Start Num: 83
Candidate Starts for Sheila_36:
(38, 34236), (69, 34347), (Start: 82 @34383 has 112 MA's), (Start: 83 @34386 has 196 MA's), (Start: 105 @34467 has 1 MA's), (136, 34602), (155, 34689), (172, 34734), (186, 34812), (204, 34863), (209, 34890), (211, 34908), (222, 34986), (231, 35019), (235, 35025),

Gene: Sheila_37 Start: 35030, Stop: 35629, Start Num: 84
Candidate Starts for Sheila_37:
(27, 34826), (34, 34850), (41, 34892), (44, 34910), (47, 34925), (Start: 84 @35030 has 463 MA's), (Start: 92 @35060 has 1 MA's), (95, 35072), (107, 35111), (111, 35126), (112, 35129), (122, 35180), (134, 35225), (136, 35231), (138, 35237), (140, 35243), (148, 35288), (149, 35291), (155, 35318), (178, 35378), (181, 35399), (205, 35477),

Gene: Shenandoah_37 Start: 34902, Stop: 35501, Start Num: 84
Candidate Starts for Shenandoah_37:
(Start: 84 @34902 has 463 MA's), (Start: 92 @34932 has 1 MA's), (102, 34959), (119, 35046), (122, 35052), (140, 35115), (145, 35139), (148, 35160), (178, 35250), (198, 35334), (203, 35346), (213, 35406), (224, 35466), (229, 35487),

Gene: Shenandoah_36 Start: 34252, Stop: 34905, Start Num: 78
Candidate Starts for Shenandoah_36:
(Start: 78 @34252 has 51 MA's), (102, 34333), (107, 34357), (135, 34480), (170, 34606), (177, 34621), (189, 34696), (223, 34861), (224, 34864), (231, 34891),

Gene: Shenyu_36 Start: 35657, Stop: 36268, Start Num: 84
Candidate Starts for Shenyu_36:
(51, 35564), (53, 35570), (61, 35600), (65, 35609), (70, 35615), (Start: 84 @35657 has 463 MA's), (Start: 92 @35690 has 1 MA's), (107, 35741), (119, 35804), (122, 35810), (136, 35861), (138, 35867), (140, 35873), (149, 35921), (196, 36086), (198, 36092), (216, 36194), (225, 36236), (229, 36254),

Gene: Shenyu_35 Start: 34921, Stop: 35550, Start Num: 82
Candidate Starts for Shenyu_35:
(Start: 82 @34921 has 112 MA's), (104, 34999), (108, 35011), (135, 35137), (138, 35146), (140, 35152), (148, 35197), (168, 35245), (170, 35251), (211, 35425), (233, 35539),

Gene: ShiVal_36 Start: 34339, Stop: 34989, Start Num: 82
Candidate Starts for ShiVal_36:
(38, 34192), (69, 34303), (Start: 82 @34339 has 112 MA's), (Start: 83 @34342 has 196 MA's), (Start: 105 @34423 has 1 MA's), (136, 34558), (155, 34645), (172, 34690), (186, 34768), (204, 34819), (209, 34846), (211, 34864), (222, 34942), (231, 34975), (235, 34981),

Gene: ShiVal_37 Start: 34986, Stop: 35585, Start Num: 84
Candidate Starts for ShiVal_37:
(27, 34782), (34, 34806), (41, 34848), (44, 34866), (47, 34881), (Start: 84 @34986 has 463 MA's), (Start: 92 @35016 has 1 MA's), (95, 35028), (107, 35067), (111, 35082), (122, 35136), (134, 35181), (136, 35187), (138, 35193), (140, 35199), (148, 35244), (149, 35247), (155, 35274), (178, 35334),

(181, 35355),

Gene: Sigman_37 Start: 34978, Stop: 35577, Start Num: 84
Candidate Starts for Sigman_37:
(27, 34774), (34, 34798), (41, 34840), (44, 34858), (47, 34873), (Start: 84 @34978 has 463 MA's), (Start: 92 @35008 has 1 MA's), (95, 35020), (107, 35059), (111, 35074), (122, 35128), (134, 35173), (136, 35179), (138, 35185), (140, 35191), (148, 35236), (149, 35239), (155, 35266), (178, 35326), (181, 35347), (205, 35425),

Gene: Sigman_36 Start: 34334, Stop: 34981, Start Num: 83
Candidate Starts for Sigman_36:
(69, 34295), (Start: 82 @34331 has 112 MA's), (Start: 83 @34334 has 196 MA's), (Start: 105 @34415 has 1 MA's), (136, 34550), (155, 34637), (172, 34682), (186, 34760), (204, 34811), (209, 34838), (211, 34856), (222, 34934), (231, 34967), (235, 34973),

Gene: SilverBell_36 Start: 34364, Stop: 35011, Start Num: 83
Candidate Starts for SilverBell_36:
(38, 34214), (69, 34325), (Start: 82 @34361 has 112 MA's), (Start: 83 @34364 has 196 MA's), (Start: 105 @34445 has 1 MA's), (136, 34580), (155, 34667), (172, 34712), (186, 34790), (204, 34841), (209, 34868), (211, 34886), (222, 34964), (231, 34997), (235, 35003),

Gene: SilverBell_37 Start: 35008, Stop: 35607, Start Num: 84
Candidate Starts for SilverBell_37:
(27, 34804), (34, 34828), (41, 34870), (44, 34888), (47, 34903), (Start: 84 @35008 has 463 MA's), (Start: 92 @35038 has 1 MA's), (95, 35050), (107, 35089), (111, 35104), (122, 35158), (134, 35203), (136, 35209), (138, 35215), (140, 35221), (148, 35266), (149, 35269), (155, 35296), (178, 35356), (181, 35377), (205, 35455),

Gene: Simielle_36 Start: 34681, Stop: 35280, Start Num: 84
Candidate Starts for Simielle_36:
(27, 34477), (34, 34501), (41, 34543), (44, 34561), (47, 34576), (Start: 84 @34681 has 463 MA's), (Start: 92 @34711 has 1 MA's), (95, 34723), (107, 34762), (111, 34777), (122, 34831), (134, 34876), (136, 34882), (138, 34888), (140, 34894), (148, 34939), (149, 34942), (155, 34969), (178, 35029), (181, 35050),

Gene: Simielle_35 Start: 34037, Stop: 34684, Start Num: 83
Candidate Starts for Simielle_35:
(69, 33998), (Start: 82 @34034 has 112 MA's), (Start: 83 @34037 has 196 MA's), (Start: 105 @34118 has 1 MA's), (136, 34253), (155, 34340), (172, 34385), (186, 34463), (204, 34514), (209, 34541), (211, 34559), (222, 34637), (231, 34670), (235, 34676),

Gene: SirBeauregard_36 Start: 34041, Stop: 34688, Start Num: 83
Candidate Starts for SirBeauregard_36:
(38, 33891), (69, 34002), (Start: 82 @34038 has 112 MA's), (Start: 83 @34041 has 196 MA's), (Start: 105 @34122 has 1 MA's), (136, 34257), (155, 34344), (172, 34389), (186, 34467), (204, 34518), (209, 34545), (211, 34563), (222, 34641), (231, 34674), (235, 34680),

Gene: SirBeauregard_37 Start: 34685, Stop: 35284, Start Num: 84
Candidate Starts for SirBeauregard_37:
(27, 34481), (34, 34505), (41, 34547), (44, 34565), (47, 34580), (Start: 84 @34685 has 463 MA's), (Start: 92 @34715 has 1 MA's), (95, 34727), (107, 34766), (111, 34781), (122, 34835), (134, 34880), (136, 34886), (138, 34892), (140, 34898), (148, 34943), (149, 34946), (155, 34973), (181, 35054), (198, 35117), (205, 35132),

Gene: SirJeffery_36 Start: 35585, Stop: 36193, Start Num: 84
Candidate Starts for SirJeffery_36:
(34, 35408), (44, 35465), (Start: 84 @35585 has 463 MA's), (Start: 92 @35615 has 1 MA's), (108, 35669), (116, 35714), (119, 35729), (122, 35735), (127, 35750), (136, 35786), (138, 35792), (140, 35798), (149, 35846), (158, 35879), (198, 36017), (201, 36023), (225, 36161), (229, 36179),

Gene: SirJeffery_35 Start: 34959, Stop: 35588, Start Num: 82
Candidate Starts for SirJeffery_35:
(Start: 82 @34959 has 112 MA's), (104, 35037), (108, 35049), (118, 35109), (135, 35175), (138, 35184), (140, 35190), (148, 35235), (168, 35283), (170, 35289), (211, 35463), (233, 35577),

Gene: Sisko_30 Start: 28962, Stop: 29591, Start Num: 84
Candidate Starts for Sisko_30:
(34, 28785), (Start: 84 @28962 has 463 MA's), (Start: 92 @28992 has 1 MA's), (102, 29019), (119, 29106), (122, 29112), (135, 29160), (138, 29169), (145, 29199), (148, 29220), (160, 29265), (169, 29283), (171, 29286), (205, 29409), (207, 29418), (208, 29427),

Gene: Sisko_29 Start: 28351, Stop: 28965, Start Num: 85
Candidate Starts for Sisko_29:
(Start: 85 @28351 has 18 MA's), (90, 28366), (104, 28420), (111, 28444), (117, 28483), (135, 28552), (136, 28555), (146, 28594), (150, 28618), (168, 28660), (174, 28672), (182, 28726), (219, 28897), (222, 28918), (224, 28924), (233, 28954),

Gene: Skippy_36 Start: 34332, Stop: 34979, Start Num: 83
Candidate Starts for Skippy_36:
(38, 34182), (69, 34293), (Start: 82 @34329 has 112 MA's), (Start: 83 @34332 has 196 MA's), (Start: 105 @34413 has 1 MA's), (136, 34548), (155, 34635), (172, 34680), (186, 34758), (204, 34809), (209, 34836), (211, 34854), (222, 34932), (231, 34965), (235, 34971),

Gene: Skippy_37 Start: 34976, Stop: 35575, Start Num: 84
Candidate Starts for Skippy_37:
(27, 34772), (34, 34796), (41, 34838), (44, 34856), (47, 34871), (Start: 84 @34976 has 463 MA's), (Start: 92 @35006 has 1 MA's), (95, 35018), (107, 35057), (111, 35072), (122, 35126), (134, 35171), (136, 35177), (138, 35183), (140, 35189), (148, 35234), (149, 35237), (155, 35264), (178, 35324), (181, 35345), (205, 35423),

Gene: Slatt_37 Start: 35002, Stop: 35601, Start Num: 84
Candidate Starts for Slatt_37:
(27, 34798), (34, 34822), (41, 34864), (44, 34882), (47, 34897), (Start: 84 @35002 has 463 MA's), (Start: 92 @35032 has 1 MA's), (95, 35044), (107, 35083), (111, 35098), (122, 35152), (134, 35197), (136, 35203), (138, 35209), (140, 35215), (148, 35260), (149, 35263), (155, 35290), (178, 35350), (181, 35371), (205, 35449),

Gene: Slatt_36 Start: 34358, Stop: 35005, Start Num: 83
Candidate Starts for Slatt_36:
(38, 34208), (69, 34319), (Start: 82 @34355 has 112 MA's), (Start: 83 @34358 has 196 MA's), (Start: 105 @34439 has 1 MA's), (136, 34574), (155, 34661), (172, 34706), (186, 34784), (204, 34835), (209, 34862), (211, 34880), (222, 34958), (231, 34991), (235, 34997),

Gene: SlippinJimmy_37 Start: 35695, Stop: 36294, Start Num: 84
Candidate Starts for SlippinJimmy_37:

(Start: 84 @35695 has 463 MA's), (Start: 92 @35725 has 1 MA's), (102, 35752), (119, 35839), (122, 35845), (140, 35908), (145, 35932), (148, 35953), (178, 36043), (198, 36127), (203, 36139), (213, 36199), (224, 36259), (229, 36280),

Gene: SlippinJimmy_36 Start: 35045, Stop: 35698, Start Num: 78
Candidate Starts for SlippinJimmy_36:
(Start: 78 @35045 has 51 MA's), (102, 35126), (107, 35150), (135, 35273), (170, 35399), (177, 35414), (189, 35489), (223, 35654), (231, 35684),

Gene: Soile_37 Start: 34708, Stop: 35307, Start Num: 84
Candidate Starts for Soile_37:
(26, 34501), (27, 34504), (34, 34528), (41, 34570), (44, 34588), (47, 34603), (Start: 84 @34708 has 463 MA's), (Start: 92 @34738 has 1 MA's), (95, 34750), (107, 34789), (111, 34804), (122, 34858), (134, 34903), (136, 34909), (138, 34915), (140, 34921), (148, 34966), (149, 34969), (155, 34996), (178, 35056), (181, 35077), (198, 35140), (205, 35155),

Gene: Soile_36 Start: 34064, Stop: 34711, Start Num: 83
Candidate Starts for Soile_36:
(69, 34025), (Start: 82 @34061 has 112 MA's), (Start: 83 @34064 has 196 MA's), (Start: 105 @34145 has 1 MA's), (136, 34280), (155, 34367), (172, 34412), (186, 34490), (204, 34541), (209, 34568), (211, 34586), (222, 34664), (231, 34697), (235, 34703),

Gene: Solosis_36 Start: 34703, Stop: 35302, Start Num: 84
Candidate Starts for Solosis_36:
(27, 34499), (34, 34523), (41, 34565), (44, 34583), (47, 34598), (Start: 84 @34703 has 463 MA's), (Start: 92 @34733 has 1 MA's), (95, 34745), (107, 34784), (111, 34799), (122, 34853), (134, 34898), (136, 34904), (138, 34910), (140, 34916), (148, 34961), (149, 34964), (155, 34991), (178, 35051), (181, 35072), (205, 35150),

Gene: Solosis_35 Start: 34059, Stop: 34706, Start Num: 83
Candidate Starts for Solosis_35:
(69, 34020), (Start: 82 @34056 has 112 MA's), (Start: 83 @34059 has 196 MA's), (Start: 105 @34140 has 1 MA's), (136, 34275), (155, 34362), (172, 34407), (186, 34485), (204, 34536), (209, 34563), (211, 34581), (222, 34659), (231, 34692), (235, 34698),

Gene: Sophia_35 Start: 34056, Stop: 34706, Start Num: 82
Candidate Starts for Sophia_35:
(69, 34020), (Start: 82 @34056 has 112 MA's), (Start: 83 @34059 has 196 MA's), (Start: 105 @34140 has 1 MA's), (136, 34275), (155, 34362), (172, 34407), (186, 34485), (204, 34536), (209, 34563), (211, 34581), (222, 34659), (231, 34692), (235, 34698),

Gene: Sophia_36 Start: 34703, Stop: 35302, Start Num: 84
Candidate Starts for Sophia_36:
(27, 34499), (34, 34523), (41, 34565), (44, 34583), (47, 34598), (Start: 84 @34703 has 463 MA's), (Start: 92 @34733 has 1 MA's), (95, 34745), (107, 34784), (111, 34799), (122, 34853), (134, 34898), (136, 34904), (138, 34910), (140, 34916), (148, 34961), (149, 34964), (155, 34991), (178, 35051), (181, 35072), (205, 35150),

Gene: Soto_37 Start: 34996, Stop: 35595, Start Num: 84
Candidate Starts for Soto_37:
(27, 34792), (34, 34816), (41, 34858), (44, 34876), (47, 34891), (Start: 84 @34996 has 463 MA's), (Start: 92 @35026 has 1 MA's), (95, 35038), (107, 35077), (111, 35092), (122, 35146), (134, 35191), (136, 35197), (138, 35203), (140, 35209), (148, 35254), (149, 35257), (155, 35284), (178, 35344),

(181, 35365), (205, 35443),

Gene: Soto_36 Start: 34352, Stop: 34999, Start Num: 83
Candidate Starts for Soto_36:
(38, 34202), (69, 34313), (Start: 82 @34349 has 112 MA's), (Start: 83 @34352 has 196 MA's), (Start: 105 @34433 has 1 MA's), (136, 34568), (155, 34655), (172, 34700), (186, 34778), (204, 34829), (209, 34856), (211, 34874), (222, 34952), (231, 34985), (235, 34991),

Gene: Sour_33 Start: 31671, Stop: 32285, Start Num: 85
Candidate Starts for Sour_33:
(Start: 85 @31671 has 18 MA's), (90, 31686), (104, 31740), (110, 31761), (117, 31803), (123, 31824), (135, 31872), (136, 31875), (146, 31914), (168, 31980), (174, 31992), (182, 32046), (185, 32058), (206, 32118), (224, 32244), (231, 32271), (233, 32274),

Gene: Sour_35 Start: 32784, Stop: 33413, Start Num: 84
Candidate Starts for Sour_35:
(74, 32754), (Start: 84 @32784 has 463 MA's), (89, 32796), (Start: 92 @32814 has 1 MA's), (102, 32841), (119, 32928), (122, 32934), (135, 32982), (136, 32985), (138, 32991), (140, 32997), (144, 33018), (148, 33042), (169, 33105), (171, 33108), (187, 33183), (205, 33231), (207, 33240),

Gene: Spartan300_36 Start: 34335, Stop: 34985, Start Num: 82
Candidate Starts for Spartan300_36:
(38, 34188), (69, 34299), (Start: 82 @34335 has 112 MA's), (Start: 83 @34338 has 196 MA's), (Start: 105 @34419 has 1 MA's), (136, 34554), (155, 34641), (172, 34686), (186, 34764), (204, 34815), (209, 34842), (211, 34860), (222, 34938), (231, 34971), (235, 34977),

Gene: Spartan300_37 Start: 34982, Stop: 35581, Start Num: 84
Candidate Starts for Spartan300_37:
(27, 34778), (34, 34802), (41, 34844), (44, 34862), (47, 34877), (Start: 84 @34982 has 463 MA's), (Start: 92 @35012 has 1 MA's), (95, 35024), (107, 35063), (111, 35078), (122, 35132), (134, 35177), (136, 35183), (138, 35189), (140, 35195), (148, 35240), (149, 35243), (155, 35270), (178, 35330), (181, 35351),

Gene: Squid_37 Start: 34694, Stop: 35293, Start Num: 84
Candidate Starts for Squid_37:
(27, 34490), (34, 34514), (41, 34556), (44, 34574), (47, 34589), (Start: 84 @34694 has 463 MA's), (Start: 92 @34724 has 1 MA's), (95, 34736), (107, 34775), (111, 34790), (122, 34844), (134, 34889), (136, 34895), (138, 34901), (140, 34907), (148, 34952), (149, 34955), (155, 34982), (178, 35042), (181, 35063), (205, 35141),

Gene: Squid_36 Start: 34047, Stop: 34697, Start Num: 82
Candidate Starts for Squid_36:
(69, 34011), (Start: 82 @34047 has 112 MA's), (Start: 83 @34050 has 196 MA's), (Start: 105 @34131 has 1 MA's), (136, 34266), (155, 34353), (172, 34398), (186, 34476), (204, 34527), (209, 34554), (211, 34572), (222, 34650), (231, 34683), (235, 34689),

Gene: Squiggle_37 Start: 34706, Stop: 35305, Start Num: 84
Candidate Starts for Squiggle_37:
(27, 34502), (34, 34526), (41, 34568), (44, 34586), (47, 34601), (Start: 84 @34706 has 463 MA's), (Start: 92 @34736 has 1 MA's), (95, 34748), (107, 34787), (111, 34802), (122, 34856), (134, 34901), (136, 34907), (138, 34913), (140, 34919), (148, 34964), (149, 34967), (155, 34994), (178, 35054), (181, 35075), (205, 35153),

Gene: Squiggle_36 Start: 34062, Stop: 34709, Start Num: 83
Candidate Starts for Squiggle_36:
(69, 34023), (Start: 82 @34059 has 112 MA's), (Start: 83 @34062 has 196 MA's), (Start: 105 @34143 has 1 MA's), (136, 34278), (155, 34365), (172, 34410), (186, 34488), (204, 34539), (209, 34566), (211, 34584), (222, 34662), (231, 34695), (235, 34701),

Gene: StAugustine_40 Start: 37862, Stop: 38488, Start Num: 80
Candidate Starts for StAugustine_40:
(Start: 80 @37862 has 2 MA's), (102, 37925), (104, 37940), (106, 37946), (111, 37964), (112, 37967), (116, 37994), (123, 38024), (124, 38027), (127, 38039), (136, 38075), (200, 38309), (218, 38417), (222, 38441), (224, 38447), (233, 38477),

Gene: StAugustine_41 Start: 38485, Stop: 39093, Start Num: 84
Candidate Starts for StAugustine_41:
(59, 38431), (Start: 84 @38485 has 463 MA's), (Start: 92 @38515 has 1 MA's), (119, 38629), (127, 38650), (138, 38692), (148, 38743), (203, 38929), (205, 38932), (225, 39055), (227, 39061),

Gene: Stinger_31 Start: 33110, Stop: 33757, Start Num: 64
Candidate Starts for Stinger_31:
(Start: 64 @33110 has 28 MA's), (94, 33188), (97, 33200), (115, 33272), (124, 33296), (130, 33326), (131, 33329), (133, 33335), (134, 33338), (146, 33386), (164, 33458), (181, 33518), (185, 33530), (209, 33614), (211, 33632), (225, 33719), (233, 33746),

Gene: Stinger_32 Start: 33754, Stop: 34359, Start Num: 84
Candidate Starts for Stinger_32:
(Start: 84 @33754 has 463 MA's), (Start: 92 @33790 has 1 MA's), (95, 33802), (102, 33817), (107, 33841), (122, 33910), (134, 33955), (136, 33961), (138, 33967), (139, 33970), (145, 33997), (148, 34018), (155, 34048), (178, 34108), (179, 34114), (181, 34129), (211, 34249), (225, 34327), (229, 34345),

Gene: StinkyVeggy_37 Start: 35147, Stop: 35740, Start Num: 92
Candidate Starts for StinkyVeggy_37:
(Start: 82 @35111 has 112 MA's), (Start: 92 @35147 has 1 MA's), (104, 35189), (108, 35201), (135, 35327), (138, 35336), (140, 35342), (148, 35387), (168, 35435), (170, 35441), (211, 35615), (233, 35729),

Gene: StinkyVeggy_38 Start: 35737, Stop: 36345, Start Num: 84
Candidate Starts for StinkyVeggy_38:
(Start: 84 @35737 has 463 MA's), (Start: 92 @35767 has 1 MA's), (107, 35818), (119, 35881), (122, 35887), (136, 35938), (138, 35944), (140, 35950), (149, 35998), (196, 36163), (198, 36169), (216, 36271), (225, 36313), (229, 36331),

Gene: Struggle_35 Start: 33900, Stop: 34547, Start Num: 83
Candidate Starts for Struggle_35:
(69, 33861), (Start: 82 @33897 has 112 MA's), (Start: 83 @33900 has 196 MA's), (Start: 105 @33981 has 1 MA's), (136, 34116), (155, 34203), (172, 34248), (185, 34317), (186, 34326), (204, 34377), (211, 34422), (222, 34500), (231, 34533), (235, 34539),

Gene: Struggle_36 Start: 34544, Stop: 35143, Start Num: 84
Candidate Starts for Struggle_36:
(26, 34337), (27, 34340), (34, 34364), (41, 34406), (44, 34424), (47, 34439), (Start: 84 @34544 has 463 MA's), (Start: 92 @34574 has 1 MA's), (95, 34586), (107, 34625), (111, 34640), (122, 34694), (134, 34739), (136, 34745), (138, 34751), (140, 34757), (148, 34802), (149, 34805), (155, 34832),

(178, 34892), (181, 34913), (198, 34976), (205, 34991),

Gene: Suffolk_37 Start: 34993, Stop: 35592, Start Num: 84
Candidate Starts for Suffolk_37:
(27, 34789), (34, 34813), (41, 34855), (44, 34873), (47, 34888), (Start: 84 @34993 has 463 MA's), (Start: 92 @35023 has 1 MA's), (95, 35035), (107, 35074), (111, 35089), (122, 35143), (134, 35188), (136, 35194), (138, 35200), (140, 35206), (148, 35251), (149, 35254), (155, 35281), (178, 35341), (181, 35362), (205, 35440),

Gene: Suffolk_36 Start: 34349, Stop: 34996, Start Num: 83
Candidate Starts for Suffolk_36:
(38, 34199), (69, 34310), (Start: 82 @34346 has 112 MA's), (Start: 83 @34349 has 196 MA's), (Start: 105 @34430 has 1 MA's), (136, 34565), (155, 34652), (172, 34697), (186, 34775), (204, 34826), (209, 34853), (211, 34871), (222, 34949), (231, 34982), (235, 34988),

Gene: Suigeneris_35 Start: 34962, Stop: 35591, Start Num: 82
Candidate Starts for Suigeneris_35:
(Start: 82 @34962 has 112 MA's), (104, 35040), (108, 35052), (118, 35112), (135, 35178), (138, 35187), (140, 35193), (148, 35238), (168, 35286), (170, 35292), (211, 35466), (233, 35580),

Gene: Suigeneris_36 Start: 35588, Stop: 36196, Start Num: 84
Candidate Starts for Suigeneris_36:
(34, 35411), (44, 35468), (Start: 84 @35588 has 463 MA's), (Start: 92 @35618 has 1 MA's), (108, 35672), (116, 35717), (119, 35732), (122, 35738), (127, 35753), (136, 35789), (138, 35795), (140, 35801), (149, 35849), (158, 35882), (198, 36020), (201, 36026), (225, 36164), (229, 36182),

Gene: Surely_36 Start: 34349, Stop: 34999, Start Num: 82
Candidate Starts for Surely_36:
(69, 34313), (Start: 82 @34349 has 112 MA's), (Start: 83 @34352 has 196 MA's), (Start: 105 @34433 has 1 MA's), (136, 34568), (155, 34655), (172, 34700), (186, 34778), (204, 34829), (209, 34856), (211, 34874), (222, 34952), (231, 34985), (235, 34991),

Gene: Surely_37 Start: 34996, Stop: 35595, Start Num: 84
Candidate Starts for Surely_37:
(27, 34792), (34, 34816), (41, 34858), (44, 34876), (47, 34891), (Start: 84 @34996 has 463 MA's), (Start: 92 @35026 has 1 MA's), (95, 35038), (107, 35077), (111, 35092), (122, 35146), (134, 35191), (136, 35197), (138, 35203), (140, 35209), (148, 35254), (149, 35257), (155, 35284), (178, 35344), (181, 35365), (205, 35443),

Gene: SwainyDoc_36 Start: 34274, Stop: 34927, Start Num: 78
Candidate Starts for SwainyDoc_36:
(Start: 78 @34274 has 51 MA's), (102, 34355), (107, 34379), (135, 34502), (170, 34628), (177, 34643), (189, 34718), (223, 34883), (224, 34886), (231, 34913),

Gene: SwainyDoc_37 Start: 34924, Stop: 35523, Start Num: 84
Candidate Starts for SwainyDoc_37:
(Start: 84 @34924 has 463 MA's), (Start: 92 @34954 has 1 MA's), (102, 34981), (119, 35068), (122, 35074), (140, 35137), (145, 35161), (148, 35182), (178, 35272), (198, 35356), (203, 35368), (213, 35428), (229, 35509),

Gene: Swiphy_36 Start: 34347, Stop: 34994, Start Num: 83
Candidate Starts for Swiphy_36:

(69, 34308), (Start: 82 @34344 has 112 MA's), (Start: 83 @34347 has 196 MA's), (Start: 105 @34428 has 1 MA's), (136, 34563), (155, 34650), (172, 34695), (185, 34764), (186, 34773), (204, 34824), (211, 34869), (222, 34947), (231, 34980), (235, 34986),

Gene: Swiphy_37 Start: 34991, Stop: 35590, Start Num: 84
Candidate Starts for Swiphy_37:
(26, 34784), (27, 34787), (34, 34811), (41, 34853), (44, 34871), (47, 34886), (Start: 84 @34991 has 463 MA's), (Start: 92 @35021 has 1 MA's), (95, 35033), (107, 35072), (111, 35087), (122, 35141), (134, 35186), (136, 35192), (138, 35198), (140, 35204), (148, 35249), (149, 35252), (155, 35279), (178, 35339), (181, 35360), (198, 35423), (205, 35438),

Gene: Swish_36 Start: 34332, Stop: 34982, Start Num: 82
Candidate Starts for Swish_36:
(69, 34296), (Start: 82 @34332 has 112 MA's), (Start: 83 @34335 has 196 MA's), (Start: 105 @34416 has 1 MA's), (136, 34551), (155, 34638), (172, 34683), (186, 34761), (204, 34812), (209, 34839), (211, 34857), (222, 34935), (231, 34968), (235, 34974),

Gene: Swish_37 Start: 34979, Stop: 35578, Start Num: 84
Candidate Starts for Swish_37:
(27, 34775), (34, 34799), (41, 34841), (44, 34859), (47, 34874), (Start: 84 @34979 has 463 MA's), (Start: 92 @35009 has 1 MA's), (95, 35021), (107, 35060), (111, 35075), (122, 35129), (134, 35174), (136, 35180), (138, 35186), (140, 35192), (148, 35237), (149, 35240), (155, 35267), (178, 35327), (181, 35348), (205, 35426),

Gene: SynergyX_37 Start: 34930, Stop: 35529, Start Num: 84
Candidate Starts for SynergyX_37:
(Start: 84 @34930 has 463 MA's), (Start: 92 @34960 has 1 MA's), (102, 34987), (119, 35074), (140, 35143), (145, 35167), (148, 35188), (178, 35278), (198, 35362), (203, 35374), (213, 35434), (224, 35494), (229, 35515),

Gene: SynergyX_36 Start: 34280, Stop: 34933, Start Num: 78
Candidate Starts for SynergyX_36:
(Start: 78 @34280 has 51 MA's), (102, 34361), (107, 34385), (135, 34508), (170, 34634), (177, 34649), (189, 34724), (223, 34889), (224, 34892), (231, 34919),

Gene: TA17A_39 Start: 35461, Stop: 36060, Start Num: 84
Candidate Starts for TA17A_39:
(Start: 78 @35440 has 51 MA's), (Start: 84 @35461 has 463 MA's), (Start: 92 @35491 has 1 MA's), (98, 35512), (107, 35542), (108, 35545), (122, 35611), (136, 35662), (137, 35665), (138, 35668), (145, 35698), (148, 35719), (171, 35785), (179, 35815), (203, 35905), (205, 35908), (208, 35926), (211, 35950), (222, 36019), (229, 36046),

Gene: TA17A_37 Start: 34671, Stop: 35315, Start Num: 79
Candidate Starts for TA17A_37:
(32, 34506), (54, 34617), (Start: 79 @34671 has 48 MA's), (Start: 81 @34680 has 1 MA's), (102, 34749), (108, 34776), (110, 34785), (132, 34890), (136, 34902), (140, 34914), (168, 35007), (182, 35073), (186, 35094), (191, 35109), (193, 35115), (200, 35136), (206, 35148), (233, 35304),

Gene: TPA2_40 Start: 32816, Stop: 33403, Start Num: 84
Candidate Starts for TPA2_40:
(25, 32609), (34, 32639), (43, 32690), (Start: 84 @32816 has 463 MA's), (Start: 92 @32843 has 1 MA's), (95, 32855), (107, 32894), (119, 32957), (122, 32963), (136, 33014), (138, 33020), (140, 33026), (149, 33074), (155, 33101), (181, 33182), (198, 33245), (205, 33260), (225, 33374),

Gene: TPA2_39 Start: 32202, Stop: 32819, Start Num: 85
Candidate Starts for TPA2_39:
(3, 31728), (59, 32139), (Start: 85 @32202 has 18 MA's), (87, 32208), (Start: 88 @32211 has 2 MA's), (108, 32286), (115, 32325), (127, 32373), (136, 32409), (138, 32415), (178, 32547), (191, 32616), (206, 32652), (208, 32670), (231, 32805), (233, 32808),

Gene: TallGrassMM_36 Start: 33971, Stop: 34621, Start Num: 82
Candidate Starts for TallGrassMM_36:
(69, 33935), (Start: 82 @33971 has 112 MA's), (Start: 83 @33974 has 196 MA's), (Start: 105 @34055 has 1 MA's), (136, 34190), (155, 34277), (172, 34322), (186, 34400), (204, 34451), (209, 34478), (211, 34496), (222, 34574), (231, 34607), (235, 34613),

Gene: TallGrassMM_37 Start: 34618, Stop: 35217, Start Num: 84
Candidate Starts for TallGrassMM_37:
(27, 34414), (34, 34438), (41, 34480), (44, 34498), (47, 34513), (Start: 84 @34618 has 463 MA's), (Start: 92 @34648 has 1 MA's), (95, 34660), (107, 34699), (111, 34714), (122, 34768), (134, 34813), (136, 34819), (138, 34825), (140, 34831), (148, 34876), (149, 34879), (155, 34906), (178, 34966), (181, 34987), (205, 35065),

Gene: Taptic_30 Start: 32174, Stop: 32773, Start Num: 84
Candidate Starts for Taptic_30:
(Start: 84 @32174 has 463 MA's), (Start: 92 @32204 has 1 MA's), (98, 32225), (102, 32231), (119, 32318), (122, 32324), (136, 32375), (140, 32387), (145, 32411), (148, 32432), (152, 32450), (158, 32468), (169, 32495), (209, 32645), (211, 32663), (224, 32738), (229, 32759),

Gene: Taptic_28 Start: 31380, Stop: 32024, Start Num: 79
Candidate Starts for Taptic_28:
(Start: 79 @31380 has 48 MA's), (Start: 84 @31398 has 463 MA's), (101, 31455), (110, 31494), (113, 31503), (123, 31560), (136, 31611), (138, 31617), (140, 31623), (155, 31698), (172, 31725), (182, 31782), (185, 31794), (193, 31824), (211, 31899), (221, 31971),

Gene: Taraxa_35 Start: 33550, Stop: 34197, Start Num: 83
Candidate Starts for Taraxa_35:
(69, 33511), (Start: 82 @33547 has 112 MA's), (Start: 83 @33550 has 196 MA's), (Start: 105 @33631 has 1 MA's), (136, 33766), (155, 33853), (172, 33898), (186, 33976), (204, 34027), (209, 34054), (211, 34072), (222, 34150), (231, 34183), (235, 34189),

Gene: Taraxa_36 Start: 34194, Stop: 34793, Start Num: 84
Candidate Starts for Taraxa_36:
(26, 33987), (27, 33990), (34, 34014), (41, 34056), (44, 34074), (47, 34089), (Start: 84 @34194 has 463 MA's), (Start: 92 @34224 has 1 MA's), (95, 34236), (107, 34275), (111, 34290), (122, 34344), (134, 34389), (136, 34395), (138, 34401), (140, 34407), (148, 34452), (149, 34455), (155, 34482), (178, 34542), (181, 34563), (198, 34626), (205, 34641),

Gene: Telesworld_36 Start: 34691, Stop: 35290, Start Num: 84
Candidate Starts for Telesworld_36:
(27, 34487), (34, 34511), (41, 34553), (44, 34571), (47, 34586), (Start: 84 @34691 has 463 MA's), (Start: 92 @34721 has 1 MA's), (95, 34733), (107, 34772), (111, 34787), (122, 34841), (134, 34886), (136, 34892), (138, 34898), (140, 34904), (148, 34949), (149, 34952), (155, 34979), (178, 35039), (181, 35060), (205, 35138),

Gene: Telesworld_35 Start: 34044, Stop: 34694, Start Num: 82

Candidate Starts for Telesworld_35:
(38, 33897), (69, 34008), (Start: 82 @34044 has 112 MA's), (Start: 83 @34047 has 196 MA's), (Start: 105 @34128 has 1 MA's), (136, 34263), (155, 34350), (172, 34395), (186, 34473), (204, 34524), (209, 34551), (211, 34569), (222, 34647), (231, 34680), (235, 34686),

Gene: Thonko_36 Start: 32845, Stop: 33450, Start Num: 84
Candidate Starts for Thonko_36:
(11, 32461), (13, 32470), (27, 32644), (34, 32668), (47, 32740), (Start: 84 @32845 has 463 MA's), (122, 32995), (148, 33103), (152, 33121), (178, 33193), (184, 33229), (205, 33292), (211, 33334),

Gene: Thonko_35 Start: 32189, Stop: 32848, Start Num: 68
Candidate Starts for Thonko_35:
(36, 32072), (47, 32120), (49, 32135), (56, 32156), (57, 32159), (Start: 68 @32189 has 1 MA's), (Start: 80 @32222 has 2 MA's), (96, 32279), (104, 32303), (108, 32315), (148, 32495), (156, 32534), (168, 32543), (231, 32834),

Gene: Thora_37 Start: 34995, Stop: 35594, Start Num: 84
Candidate Starts for Thora_37:
(27, 34791), (34, 34815), (41, 34857), (44, 34875), (47, 34890), (Start: 84 @34995 has 463 MA's), (Start: 92 @35025 has 1 MA's), (95, 35037), (107, 35076), (111, 35091), (122, 35145), (134, 35190), (136, 35196), (138, 35202), (140, 35208), (148, 35253), (149, 35256), (155, 35283), (178, 35343), (181, 35364), (205, 35442),

Gene: Thora_36 Start: 34351, Stop: 34998, Start Num: 83
Candidate Starts for Thora_36:
(69, 34312), (Start: 82 @34348 has 112 MA's), (Start: 83 @34351 has 196 MA's), (Start: 105 @34432 has 1 MA's), (136, 34567), (155, 34654), (172, 34699), (186, 34777), (204, 34828), (209, 34855), (211, 34873), (222, 34951), (231, 34984), (235, 34990),

Gene: ThreeOh3D2_36 Start: 34346, Stop: 34996, Start Num: 82
Candidate Starts for ThreeOh3D2_36:
(69, 34310), (Start: 82 @34346 has 112 MA's), (Start: 83 @34349 has 196 MA's), (Start: 105 @34430 has 1 MA's), (136, 34565), (155, 34652), (172, 34697), (186, 34775), (204, 34826), (209, 34853), (211, 34871), (222, 34949), (231, 34982), (235, 34988),

Gene: ThreeOh3D2_37 Start: 34993, Stop: 35592, Start Num: 84
Candidate Starts for ThreeOh3D2_37:
(27, 34789), (34, 34813), (41, 34855), (44, 34873), (47, 34888), (Start: 84 @34993 has 463 MA's), (Start: 92 @35023 has 1 MA's), (95, 35035), (107, 35074), (111, 35089), (122, 35143), (134, 35188), (136, 35194), (138, 35200), (140, 35206), (148, 35251), (149, 35254), (155, 35281), (178, 35341), (181, 35362), (205, 35440),

Gene: Thunderbird_36 Start: 34699, Stop: 35298, Start Num: 84
Candidate Starts for Thunderbird_36:
(26, 34492), (27, 34495), (34, 34519), (41, 34561), (44, 34579), (47, 34594), (Start: 84 @34699 has 463 MA's), (Start: 92 @34729 has 1 MA's), (95, 34741), (107, 34780), (111, 34795), (122, 34849), (134, 34894), (136, 34900), (138, 34906), (140, 34912), (148, 34957), (149, 34960), (155, 34987), (178, 35047), (181, 35068), (198, 35131), (205, 35146),

Gene: Thunderbird_35 Start: 34055, Stop: 34702, Start Num: 83
Candidate Starts for Thunderbird_35:
(69, 34016), (Start: 82 @34052 has 112 MA's), (Start: 83 @34055 has 196 MA's), (Start: 105 @34136 has 1 MA's), (136, 34271), (155, 34358), (172, 34403), (185, 34472), (186, 34481), (204, 34532), (211,

34577), (222, 34655), (231, 34688), (235, 34694),

Gene: Timmi_35 Start: 34060, Stop: 34707, Start Num: 83
Candidate Starts for Timmi_35:
(69, 34021), (Start: 82 @34057 has 112 MA's), (Start: 83 @34060 has 196 MA's), (Start: 105 @34141 has 1 MA's), (136, 34276), (155, 34363), (172, 34408), (186, 34486), (204, 34537), (209, 34564), (211, 34582), (222, 34660), (231, 34693), (235, 34699),

Gene: Timmi_36 Start: 34704, Stop: 35303, Start Num: 84
Candidate Starts for Timmi_36:
(27, 34500), (34, 34524), (41, 34566), (44, 34584), (47, 34599), (Start: 84 @34704 has 463 MA's), (Start: 92 @34734 has 1 MA's), (95, 34746), (107, 34785), (111, 34800), (122, 34854), (134, 34899), (136, 34905), (138, 34911), (140, 34917), (148, 34962), (149, 34965), (155, 34992), (178, 35052), (181, 35073), (205, 35151),

Gene: Tinciduntsolum_39 Start: 35599, Stop: 36198, Start Num: 84
Candidate Starts for Tinciduntsolum_39:
(Start: 78 @35578 has 51 MA's), (Start: 84 @35599 has 463 MA's), (Start: 92 @35629 has 1 MA's), (98, 35650), (107, 35680), (108, 35683), (122, 35749), (136, 35800), (137, 35803), (138, 35806), (145, 35836), (148, 35857), (171, 35923), (179, 35953), (203, 36043), (205, 36046), (208, 36064), (211, 36088), (222, 36157), (229, 36184),

Gene: Tinciduntsolum_37 Start: 34809, Stop: 35453, Start Num: 79
Candidate Starts for Tinciduntsolum_37:
(32, 34644), (54, 34755), (Start: 79 @34809 has 48 MA's), (Start: 81 @34818 has 1 MA's), (102, 34887), (108, 34914), (110, 34923), (113, 34932), (136, 35040), (140, 35052), (168, 35145), (182, 35211), (186, 35232), (191, 35247), (193, 35253), (200, 35274), (206, 35286), (233, 35442),

Gene: TinyTerror_36 Start: 34265, Stop: 34918, Start Num: 78
Candidate Starts for TinyTerror_36:
(Start: 78 @34265 has 51 MA's), (102, 34346), (107, 34370), (135, 34493), (170, 34619), (177, 34634), (189, 34709), (223, 34874), (224, 34877), (231, 34904),

Gene: TinyTerror_37 Start: 34915, Stop: 35514, Start Num: 84
Candidate Starts for TinyTerror_37:
(Start: 84 @34915 has 463 MA's), (Start: 92 @34945 has 1 MA's), (102, 34972), (119, 35059), (122, 35065), (140, 35128), (145, 35152), (148, 35173), (178, 35263), (198, 35347), (203, 35359), (213, 35419), (224, 35479), (229, 35500),

Gene: TomBombadil_37 Start: 34989, Stop: 35588, Start Num: 84
Candidate Starts for TomBombadil_37:
(27, 34785), (34, 34809), (41, 34851), (44, 34869), (47, 34884), (Start: 84 @34989 has 463 MA's), (Start: 92 @35019 has 1 MA's), (95, 35031), (107, 35070), (111, 35085), (122, 35139), (134, 35184), (136, 35190), (138, 35196), (140, 35202), (148, 35247), (149, 35250), (155, 35277), (178, 35337), (181, 35358), (205, 35436),

Gene: TomBombadil_36 Start: 34342, Stop: 34992, Start Num: 82
Candidate Starts for TomBombadil_36:
(69, 34306), (Start: 82 @34342 has 112 MA's), (Start: 83 @34345 has 196 MA's), (Start: 105 @34426 has 1 MA's), (136, 34561), (155, 34648), (172, 34693), (186, 34771), (204, 34822), (209, 34849), (211, 34867), (222, 34945), (231, 34978), (235, 34984),

Gene: Tomlarah_36 Start: 34336, Stop: 34983, Start Num: 83

Candidate Starts for Tomlarah_36:
(38, 34186), (69, 34297), (Start: 82 @34333 has 112 MA's), (Start: 83 @34336 has 196 MA's), (Start: 105 @34417 has 1 MA's), (136, 34552), (155, 34639), (172, 34684), (186, 34762), (204, 34813), (209, 34840), (211, 34858), (222, 34936), (231, 34969), (235, 34975),

Gene: Tomlarah_37 Start: 34980, Stop: 35579, Start Num: 84
Candidate Starts for Tomlarah_37:
(27, 34776), (34, 34800), (41, 34842), (44, 34860), (47, 34875), (Start: 84 @34980 has 463 MA's), (Start: 92 @35010 has 1 MA's), (95, 35022), (107, 35061), (111, 35076), (122, 35130), (134, 35175), (136, 35181), (138, 35187), (140, 35193), (148, 35238), (149, 35241), (155, 35268), (178, 35328), (181, 35349),

Gene: Toni_36 Start: 34696, Stop: 35295, Start Num: 84
Candidate Starts for Toni_36:
(27, 34492), (34, 34516), (41, 34558), (44, 34576), (47, 34591), (Start: 84 @34696 has 463 MA's), (Start: 92 @34726 has 1 MA's), (95, 34738), (107, 34777), (111, 34792), (122, 34846), (134, 34891), (136, 34897), (138, 34903), (140, 34909), (148, 34954), (149, 34957), (155, 34984), (178, 35044), (181, 35065),

Gene: Toni_35 Start: 34052, Stop: 34699, Start Num: 83
Candidate Starts for Toni_35:
(69, 34013), (Start: 82 @34049 has 112 MA's), (Start: 83 @34052 has 196 MA's), (Start: 105 @34133 has 1 MA's), (136, 34268), (155, 34355), (172, 34400), (186, 34478), (204, 34529), (209, 34556), (211, 34574), (222, 34652), (231, 34685), (235, 34691),

Gene: TooFast2Furius_38 Start: 35225, Stop: 35824, Start Num: 84
Candidate Starts for TooFast2Furius_38:
(27, 35021), (34, 35045), (41, 35087), (44, 35105), (47, 35120), (Start: 84 @35225 has 463 MA's), (Start: 92 @35255 has 1 MA's), (95, 35267), (107, 35306), (111, 35321), (122, 35375), (134, 35420), (136, 35426), (138, 35432), (140, 35438), (148, 35483), (149, 35486), (155, 35513), (178, 35573), (181, 35594), (205, 35672),

Gene: TooFast2Furius_37 Start: 34581, Stop: 35228, Start Num: 83
Candidate Starts for TooFast2Furius_37:
(38, 34431), (69, 34542), (Start: 82 @34578 has 112 MA's), (Start: 83 @34581 has 196 MA's), (Start: 105 @34662 has 1 MA's), (136, 34797), (155, 34884), (172, 34929), (186, 35007), (204, 35058), (209, 35085), (211, 35103), (222, 35181), (231, 35214), (235, 35220),

Gene: Tooj_36 Start: 34409, Stop: 35056, Start Num: 83
Candidate Starts for Tooj_36:
(69, 34370), (Start: 82 @34406 has 112 MA's), (Start: 83 @34409 has 196 MA's), (Start: 105 @34490 has 1 MA's), (136, 34625), (155, 34712), (172, 34757), (186, 34835), (204, 34886), (209, 34913), (211, 34931), (222, 35009), (231, 35042), (235, 35048),

Gene: Tooj_37 Start: 35053, Stop: 35652, Start Num: 84
Candidate Starts for Tooj_37:
(27, 34849), (34, 34873), (41, 34915), (44, 34933), (47, 34948), (Start: 84 @35053 has 463 MA's), (Start: 92 @35083 has 1 MA's), (95, 35095), (107, 35134), (111, 35149), (122, 35203), (134, 35248), (136, 35254), (138, 35260), (140, 35266), (148, 35311), (149, 35314), (155, 35341), (178, 35401), (181, 35422), (205, 35500),

Gene: TraderJ_31 Start: 29456, Stop: 30070, Start Num: 85
Candidate Starts for TraderJ_31:

(40, 29309), (76, 29426), (Start: 85 @29456 has 18 MA's), (Start: 86 @29459 has 5 MA's), (104, 29525), (109, 29540), (111, 29549), (117, 29588), (123, 29609), (127, 29624), (135, 29657), (145, 29696), (146, 29699), (148, 29717), (150, 29723), (170, 29771), (211, 29945), (224, 30029), (233, 30059),

Gene: TraderJ_32 Start: 30067, Stop: 30663, Start Num: 84
Candidate Starts for TraderJ_32:
(34, 29890), (41, 29929), (42, 29938), (44, 29947), (58, 30001), (60, 30013), (Start: 84 @30067 has 463 MA's), (Start: 92 @30097 has 1 MA's), (119, 30211), (122, 30217), (136, 30268), (138, 30274), (148, 30325), (149, 30328), (171, 30391), (177, 30403), (178, 30415), (187, 30466), (197, 30496), (205, 30514), (207, 30523), (229, 30649),

Gene: Tres_36 Start: 34684, Stop: 35328, Start Num: 79
Candidate Starts for Tres_36:
(32, 34519), (54, 34630), (Start: 79 @34684 has 48 MA's), (Start: 81 @34693 has 1 MA's), (102, 34762), (108, 34789), (110, 34798), (113, 34807), (136, 34915), (140, 34927), (168, 35020), (182, 35086), (186, 35107), (191, 35122), (193, 35128), (200, 35149), (206, 35161), (233, 35317),

Gene: Tres_38 Start: 35474, Stop: 36073, Start Num: 84
Candidate Starts for Tres_38:
(Start: 78 @35453 has 51 MA's), (Start: 84 @35474 has 463 MA's), (Start: 92 @35504 has 1 MA's), (98, 35525), (107, 35555), (108, 35558), (122, 35624), (136, 35675), (137, 35678), (138, 35681), (145, 35711), (148, 35732), (171, 35798), (179, 35828), (203, 35918), (205, 35921), (208, 35939), (211, 35963), (222, 36032), (229, 36059),

Gene: Triad_37 Start: 33857, Stop: 34456, Start Num: 84
Candidate Starts for Triad_37:
(27, 33653), (34, 33677), (41, 33719), (44, 33737), (47, 33752), (Start: 84 @33857 has 463 MA's), (Start: 92 @33887 has 1 MA's), (95, 33899), (107, 33938), (111, 33953), (122, 34007), (134, 34052), (136, 34058), (138, 34064), (140, 34070), (148, 34115), (149, 34118), (155, 34145), (178, 34205), (181, 34226), (205, 34304),

Gene: Triad_36 Start: 33213, Stop: 33860, Start Num: 83
Candidate Starts for Triad_36:
(38, 33063), (69, 33174), (Start: 82 @33210 has 112 MA's), (Start: 83 @33213 has 196 MA's), (Start: 105 @33294 has 1 MA's), (136, 33429), (155, 33516), (172, 33561), (186, 33639), (204, 33690), (209, 33717), (211, 33735), (222, 33813), (231, 33846), (235, 33852),

Gene: True_36 Start: 34693, Stop: 35292, Start Num: 84
Candidate Starts for True_36:
(27, 34489), (34, 34513), (41, 34555), (44, 34573), (47, 34588), (Start: 84 @34693 has 463 MA's), (Start: 92 @34723 has 1 MA's), (95, 34735), (107, 34774), (111, 34789), (122, 34843), (134, 34888), (136, 34894), (138, 34900), (140, 34906), (148, 34951), (149, 34954), (155, 34981), (178, 35041), (181, 35062), (205, 35140),

Gene: True_35 Start: 34049, Stop: 34696, Start Num: 83
Candidate Starts for True_35:
(69, 34010), (Start: 82 @34046 has 112 MA's), (Start: 83 @34049 has 196 MA's), (Start: 105 @34130 has 1 MA's), (136, 34265), (155, 34352), (172, 34397), (186, 34475), (204, 34526), (209, 34553), (211, 34571), (222, 34649), (231, 34682), (235, 34688),

Gene: Trypo_37 Start: 34989, Stop: 35588, Start Num: 84
Candidate Starts for Trypo_37:

(26, 34782), (27, 34785), (34, 34809), (41, 34851), (44, 34869), (47, 34884), (Start: 84 @34989 has 463 MA's), (Start: 92 @35019 has 1 MA's), (95, 35031), (107, 35070), (111, 35085), (122, 35139), (134, 35184), (136, 35190), (138, 35196), (140, 35202), (148, 35247), (149, 35250), (155, 35277), (178, 35337), (181, 35358), (198, 35421), (205, 35436),

Gene: Trypo_36 Start: 34345, Stop: 34992, Start Num: 83
Candidate Starts for Trypo_36:
(69, 34306), (Start: 82 @34342 has 112 MA's), (Start: 83 @34345 has 196 MA's), (Start: 105 @34426 has 1 MA's), (136, 34561), (155, 34648), (172, 34693), (185, 34762), (186, 34771), (204, 34822), (211, 34867), (222, 34945), (231, 34978), (235, 34984),

Gene: Tydolla_36 Start: 35014, Stop: 35667, Start Num: 78
Candidate Starts for Tydolla_36:
(Start: 78 @35014 has 51 MA's), (102, 35095), (107, 35119), (135, 35242), (170, 35368), (177, 35383), (189, 35458), (223, 35623), (224, 35626), (231, 35653),

Gene: Tydolla_37 Start: 35664, Stop: 36263, Start Num: 84
Candidate Starts for Tydolla_37:
(Start: 84 @35664 has 463 MA's), (Start: 92 @35694 has 1 MA's), (102, 35721), (119, 35808), (122, 35814), (140, 35877), (145, 35901), (148, 35922), (178, 36012), (198, 36096), (203, 36108), (213, 36168), (229, 36249),

Gene: TyrionL_36 Start: 34552, Stop: 35151, Start Num: 84
Candidate Starts for TyrionL_36:
(26, 34345), (27, 34348), (34, 34372), (41, 34414), (44, 34432), (47, 34447), (Start: 84 @34552 has 463 MA's), (Start: 92 @34582 has 1 MA's), (95, 34594), (107, 34633), (111, 34648), (122, 34702), (134, 34747), (136, 34753), (138, 34759), (140, 34765), (148, 34810), (149, 34813), (155, 34840), (178, 34900), (181, 34921), (198, 34984), (205, 34999),

Gene: TyrionL_35 Start: 33905, Stop: 34555, Start Num: 82
Candidate Starts for TyrionL_35:
(69, 33869), (Start: 82 @33905 has 112 MA's), (Start: 83 @33908 has 196 MA's), (Start: 105 @33989 has 1 MA's), (136, 34124), (155, 34211), (172, 34256), (185, 34325), (186, 34334), (204, 34385), (211, 34430), (222, 34508), (231, 34541), (235, 34547),

Gene: UAch1_37 Start: 35002, Stop: 35601, Start Num: 84
Candidate Starts for UAch1_37:
(27, 34798), (34, 34822), (41, 34864), (44, 34882), (47, 34897), (Start: 84 @35002 has 463 MA's), (Start: 92 @35032 has 1 MA's), (95, 35044), (107, 35083), (111, 35098), (122, 35152), (134, 35197), (136, 35203), (138, 35209), (140, 35215), (148, 35260), (149, 35263), (155, 35290), (178, 35350), (181, 35371), (205, 35449),

Gene: UAch1_36 Start: 34355, Stop: 35005, Start Num: 82
Candidate Starts for UAch1_36:
(69, 34319), (Start: 82 @34355 has 112 MA's), (Start: 83 @34358 has 196 MA's), (Start: 105 @34439 has 1 MA's), (136, 34574), (155, 34661), (172, 34706), (186, 34784), (204, 34835), (209, 34862), (211, 34880), (222, 34958), (231, 34991), (235, 34997),

Gene: UncleHowie_36 Start: 34045, Stop: 34695, Start Num: 82
Candidate Starts for UncleHowie_36:
(69, 34009), (Start: 82 @34045 has 112 MA's), (Start: 83 @34048 has 196 MA's), (Start: 105 @34129 has 1 MA's), (136, 34264), (155, 34351), (172, 34396), (186, 34474), (204, 34525), (209, 34552), (211, 34570), (222, 34648), (231, 34681), (235, 34687),

Gene: UncleHowie_37 Start: 34692, Stop: 35291, Start Num: 84
Candidate Starts for UncleHowie_37:
(27, 34488), (34, 34512), (41, 34554), (44, 34572), (47, 34587), (Start: 84 @34692 has 463 MA's), (Start: 92 @34722 has 1 MA's), (95, 34734), (107, 34773), (111, 34788), (122, 34842), (134, 34887), (136, 34893), (138, 34899), (140, 34905), (148, 34950), (149, 34953), (155, 34980), (178, 35040), (181, 35061), (205, 35139),

Gene: Usavi_36 Start: 34349, Stop: 34996, Start Num: 83
Candidate Starts for Usavi_36:
(69, 34310), (Start: 82 @34346 has 112 MA's), (Start: 83 @34349 has 196 MA's), (Start: 105 @34430 has 1 MA's), (136, 34565), (155, 34652), (172, 34697), (186, 34775), (204, 34826), (209, 34853), (211, 34871), (222, 34949), (231, 34982), (235, 34988),

Gene: Usavi_37 Start: 34993, Stop: 35592, Start Num: 84
Candidate Starts for Usavi_37:
(27, 34789), (34, 34813), (41, 34855), (44, 34873), (47, 34888), (Start: 84 @34993 has 463 MA's), (Start: 92 @35023 has 1 MA's), (95, 35035), (107, 35074), (111, 35089), (122, 35143), (134, 35188), (136, 35194), (138, 35200), (140, 35206), (148, 35251), (149, 35254), (155, 35281), (178, 35341), (181, 35362), (205, 35440),

Gene: Vaishali24_36 Start: 34654, Stop: 35253, Start Num: 84
Candidate Starts for Vaishali24_36:
(27, 34450), (34, 34474), (41, 34516), (44, 34534), (47, 34549), (Start: 84 @34654 has 463 MA's), (Start: 92 @34684 has 1 MA's), (95, 34696), (107, 34735), (111, 34750), (122, 34804), (134, 34849), (136, 34855), (138, 34861), (140, 34867), (148, 34912), (149, 34915), (155, 34942), (178, 35002), (181, 35023), (205, 35101),

Gene: Vaishali24_35 Start: 34010, Stop: 34657, Start Num: 83
Candidate Starts for Vaishali24_35:
(38, 33860), (69, 33971), (Start: 82 @34007 has 112 MA's), (Start: 83 @34010 has 196 MA's), (Start: 105 @34091 has 1 MA's), (136, 34226), (155, 34313), (172, 34358), (186, 34436), (204, 34487), (209, 34514), (211, 34532), (222, 34610), (231, 34643), (235, 34649),

Gene: Valjean_36 Start: 34341, Stop: 34988, Start Num: 83
Candidate Starts for Valjean_36:
(38, 34191), (69, 34302), (Start: 82 @34338 has 112 MA's), (Start: 83 @34341 has 196 MA's), (Start: 105 @34422 has 1 MA's), (136, 34557), (155, 34644), (172, 34689), (186, 34767), (204, 34818), (209, 34845), (211, 34863), (222, 34941), (231, 34974), (235, 34980),

Gene: Valjean_37 Start: 34985, Stop: 35584, Start Num: 84
Candidate Starts for Valjean_37:
(27, 34781), (34, 34805), (41, 34847), (44, 34865), (47, 34880), (Start: 84 @34985 has 463 MA's), (Start: 92 @35015 has 1 MA's), (95, 35027), (107, 35066), (111, 35081), (122, 35135), (134, 35180), (136, 35186), (138, 35192), (140, 35198), (148, 35243), (149, 35246), (155, 35273), (178, 35333), (181, 35354),

Gene: Vaticameos_36 Start: 34036, Stop: 34686, Start Num: 82
Candidate Starts for Vaticameos_36:
(69, 34000), (Start: 82 @34036 has 112 MA's), (Start: 83 @34039 has 196 MA's), (Start: 105 @34120 has 1 MA's), (136, 34255), (155, 34342), (172, 34387), (186, 34465), (204, 34516), (209, 34543), (211, 34561), (222, 34639), (231, 34672), (235, 34678),

Gene: Veritas_36 Start: 34555, Stop: 35154, Start Num: 84
Candidate Starts for Veritas_36:
(26, 34348), (27, 34351), (34, 34375), (41, 34417), (44, 34435), (47, 34450), (Start: 84 @34555 has 463 MA's), (Start: 92 @34585 has 1 MA's), (95, 34597), (107, 34636), (111, 34651), (122, 34705), (134, 34750), (136, 34756), (138, 34762), (140, 34768), (148, 34813), (149, 34816), (155, 34843), (178, 34903), (181, 34924), (198, 34987), (205, 35002),

Gene: Veritas_35 Start: 33911, Stop: 34558, Start Num: 83
Candidate Starts for Veritas_35:
(69, 33872), (Start: 82 @33908 has 112 MA's), (Start: 83 @33911 has 196 MA's), (Start: 105 @33992 has 1 MA's), (136, 34127), (155, 34214), (172, 34259), (185, 34328), (186, 34337), (204, 34388), (211, 34433), (222, 34511), (231, 34544), (235, 34550),

Gene: Vic9_00037 Start: 35977, Stop: 36576, Start Num: 84
Candidate Starts for Vic9_00037:
(Start: 78 @35956 has 51 MA's), (Start: 84 @35977 has 463 MA's), (Start: 92 @36007 has 1 MA's), (98, 36028), (107, 36058), (108, 36061), (122, 36127), (136, 36178), (137, 36181), (138, 36184), (145, 36214), (148, 36235), (171, 36301), (179, 36331), (187, 36376), (203, 36421), (205, 36424), (208, 36442), (211, 36466), (222, 36535), (229, 36562),

Gene: Vic9_00036 Start: 35196, Stop: 35831, Start Num: 81
Candidate Starts for Vic9_00036:
(22, 34986), (Start: 79 @35187 has 48 MA's), (Start: 81 @35196 has 1 MA's), (102, 35265), (108, 35292), (110, 35301), (113, 35310), (132, 35406), (136, 35418), (140, 35430), (168, 35523), (182, 35589), (186, 35610), (191, 35625), (193, 35631), (200, 35652), (206, 35664), (233, 35820),

Gene: Vincenzo_34 Start: 35254, Stop: 35907, Start Num: 64
Candidate Starts for Vincenzo_34:
(Start: 64 @35254 has 28 MA's), (99, 35347), (117, 35428), (122, 35443), (129, 35467), (130, 35476), (131, 35479), (134, 35488), (146, 35536), (157, 35590), (159, 35593), (161, 35602), (164, 35608), (166, 35611), (181, 35668), (185, 35680), (205, 35740), (209, 35764), (233, 35896),

Gene: Vincenzo_35 Start: 35904, Stop: 36506, Start Num: 84
Candidate Starts for Vincenzo_35:
(Start: 84 @35904 has 463 MA's), (Start: 92 @35937 has 1 MA's), (95, 35949), (119, 36051), (122, 36057), (127, 36072), (134, 36102), (136, 36108), (138, 36114), (145, 36144), (148, 36165), (171, 36231), (178, 36255), (179, 36261), (181, 36276), (183, 36288), (203, 36351), (205, 36354), (224, 36471), (225, 36474), (229, 36492),

Gene: VioletZ_33 Start: 34605, Stop: 35252, Start Num: 64
Candidate Starts for VioletZ_33:
(Start: 64 @34605 has 28 MA's), (94, 34683), (97, 34695), (115, 34767), (130, 34821), (131, 34824), (134, 34833), (146, 34881), (157, 34935), (164, 34953), (181, 35013), (185, 35025), (209, 35109), (211, 35127), (225, 35214), (226, 35217), (233, 35241),

Gene: VioletZ_34 Start: 35249, Stop: 35854, Start Num: 84
Candidate Starts for VioletZ_34:
(Start: 84 @35249 has 463 MA's), (Start: 92 @35285 has 1 MA's), (102, 35312), (107, 35336), (108, 35339), (119, 35399), (122, 35405), (134, 35450), (137, 35459), (138, 35462), (139, 35465), (145, 35492), (148, 35513), (155, 35543), (179, 35609), (181, 35624), (198, 35687), (211, 35744), (225, 35822), (229, 35840),

Gene: Virapocalypse_37 Start: 34980, Stop: 35579, Start Num: 84

Candidate Starts for Virapocalypse_37:
(27, 34776), (34, 34800), (41, 34842), (44, 34860), (47, 34875), (Start: 84 @34980 has 463 MA's), (Start: 92 @35010 has 1 MA's), (95, 35022), (107, 35061), (111, 35076), (122, 35130), (134, 35175), (136, 35181), (138, 35187), (140, 35193), (148, 35238), (149, 35241), (155, 35268), (178, 35328), (181, 35349), (205, 35427),

Gene: Virapocalypse_36 Start: 34336, Stop: 34983, Start Num: 83
Candidate Starts for Virapocalypse_36:
(38, 34186), (69, 34297), (Start: 82 @34333 has 112 MA's), (Start: 83 @34336 has 196 MA's), (Start: 105 @34417 has 1 MA's), (136, 34552), (155, 34639), (172, 34684), (186, 34762), (204, 34813), (209, 34840), (211, 34858), (222, 34936), (231, 34969), (235, 34975),

Gene: Virgeve_36 Start: 34760, Stop: 35359, Start Num: 84
Candidate Starts for Virgeve_36:
(27, 34556), (34, 34580), (41, 34622), (44, 34640), (47, 34655), (Start: 84 @34760 has 463 MA's), (Start: 92 @34790 has 1 MA's), (95, 34802), (107, 34841), (111, 34856), (122, 34910), (134, 34955), (136, 34961), (138, 34967), (140, 34973), (148, 35018), (149, 35021), (155, 35048), (181, 35129), (198, 35192), (205, 35207),

Gene: Virgeve_35 Start: 34116, Stop: 34763, Start Num: 83
Candidate Starts for Virgeve_35:
(38, 33966), (69, 34077), (Start: 82 @34113 has 112 MA's), (Start: 83 @34116 has 196 MA's), (Start: 105 @34197 has 1 MA's), (136, 34332), (155, 34419), (172, 34464), (186, 34542), (204, 34593), (209, 34620), (211, 34638), (222, 34716), (231, 34749), (235, 34755),

Gene: Vista_36 Start: 34346, Stop: 34996, Start Num: 82
Candidate Starts for Vista_36:
(69, 34310), (Start: 82 @34346 has 112 MA's), (Start: 83 @34349 has 196 MA's), (Start: 105 @34430 has 1 MA's), (136, 34565), (155, 34652), (172, 34697), (186, 34775), (204, 34826), (209, 34853), (211, 34871), (222, 34949), (231, 34982), (235, 34988),

Gene: Vista_37 Start: 34993, Stop: 35592, Start Num: 84
Candidate Starts for Vista_37:
(27, 34789), (34, 34813), (41, 34855), (44, 34873), (47, 34888), (Start: 84 @34993 has 463 MA's), (Start: 92 @35023 has 1 MA's), (95, 35035), (107, 35074), (111, 35089), (122, 35143), (134, 35188), (136, 35194), (138, 35200), (140, 35206), (148, 35251), (149, 35254), (155, 35281), (178, 35341), (181, 35362), (205, 35440),

Gene: Vivaldi_36 Start: 34375, Stop: 35025, Start Num: 82
Candidate Starts for Vivaldi_36:
(38, 34228), (69, 34339), (Start: 82 @34375 has 112 MA's), (Start: 83 @34378 has 196 MA's), (Start: 105 @34459 has 1 MA's), (136, 34594), (155, 34681), (172, 34726), (186, 34804), (204, 34855), (209, 34882), (211, 34900), (222, 34978), (231, 35011), (235, 35017),

Gene: Vivaldi_37 Start: 35022, Stop: 35621, Start Num: 84
Candidate Starts for Vivaldi_37:
(27, 34818), (34, 34842), (41, 34884), (44, 34902), (47, 34917), (Start: 84 @35022 has 463 MA's), (Start: 92 @35052 has 1 MA's), (95, 35064), (107, 35103), (111, 35118), (122, 35172), (134, 35217), (136, 35223), (138, 35229), (140, 35235), (148, 35280), (149, 35283), (155, 35310), (178, 35370), (181, 35391), (205, 35469),

Gene: Vortex_36 Start: 34052, Stop: 34702, Start Num: 82
Candidate Starts for Vortex_36:

(69, 34016), (Start: 82 @34052 has 112 MA's), (Start: 83 @34055 has 196 MA's), (Start: 105 @34136 has 1 MA's), (136, 34271), (155, 34358), (172, 34403), (186, 34481), (204, 34532), (209, 34559), (211, 34577), (222, 34655), (231, 34688), (235, 34694),

Gene: Vortex_37 Start: 34699, Stop: 35298, Start Num: 84
Candidate Starts for Vortex_37:
(27, 34495), (34, 34519), (41, 34561), (44, 34579), (47, 34594), (Start: 84 @34699 has 463 MA's), (Start: 92 @34729 has 1 MA's), (95, 34741), (107, 34780), (111, 34795), (122, 34849), (134, 34894), (136, 34900), (138, 34906), (140, 34912), (148, 34957), (149, 34960), (155, 34987), (178, 35047), (181, 35068), (205, 35146),

Gene: Waleliano_34 Start: 35176, Stop: 35781, Start Num: 84
Candidate Starts for Waleliano_34:
(1, 34603), (5, 34720), (8, 34774), (10, 34783), (20, 34906), (28, 34975), (35, 34999), (45, 35056), (Start: 84 @35176 has 463 MA's), (Start: 92 @35212 has 1 MA's), (102, 35239), (107, 35263), (108, 35266), (122, 35332), (134, 35377), (137, 35386), (138, 35389), (139, 35392), (145, 35419), (148, 35440), (149, 35443), (155, 35470), (179, 35536), (181, 35551), (198, 35614), (211, 35671), (225, 35749), (229, 35767),

Gene: Waleliano_33 Start: 34532, Stop: 35179, Start Num: 64
Candidate Starts for Waleliano_33:
(Start: 64 @34532 has 28 MA's), (94, 34610), (97, 34622), (115, 34694), (124, 34718), (129, 34739), (130, 34748), (131, 34751), (134, 34760), (146, 34808), (164, 34880), (181, 34940), (185, 34952), (205, 35012), (209, 35036), (211, 35054), (225, 35141), (226, 35144), (233, 35168),

Gene: Wallhey_35 Start: 33909, Stop: 34559, Start Num: 82
Candidate Starts for Wallhey_35:
(69, 33873), (Start: 82 @33909 has 112 MA's), (Start: 83 @33912 has 196 MA's), (Start: 105 @33993 has 1 MA's), (136, 34128), (155, 34215), (172, 34260), (185, 34329), (186, 34338), (204, 34389), (211, 34434), (222, 34512), (231, 34545), (235, 34551),

Gene: Wallhey_36 Start: 34556, Stop: 35155, Start Num: 84
Candidate Starts for Wallhey_36:
(26, 34349), (27, 34352), (34, 34376), (41, 34418), (44, 34436), (47, 34451), (Start: 84 @34556 has 463 MA's), (Start: 92 @34586 has 1 MA's), (95, 34598), (107, 34637), (111, 34652), (122, 34706), (134, 34751), (136, 34757), (138, 34763), (140, 34769), (148, 34814), (149, 34817), (155, 34844), (178, 34904), (181, 34925), (198, 34988), (205, 35003),

Gene: Waterdiva_37 Start: 34985, Stop: 35584, Start Num: 84
Candidate Starts for Waterdiva_37:
(27, 34781), (34, 34805), (41, 34847), (44, 34865), (47, 34880), (Start: 84 @34985 has 463 MA's), (Start: 92 @35015 has 1 MA's), (95, 35027), (107, 35066), (111, 35081), (122, 35135), (134, 35180), (136, 35186), (138, 35192), (140, 35198), (148, 35243), (149, 35246), (155, 35273), (178, 35333), (181, 35354), (205, 35432),

Gene: Waterdiva_36 Start: 34338, Stop: 34988, Start Num: 82
Candidate Starts for Waterdiva_36:
(69, 34302), (Start: 82 @34338 has 112 MA's), (Start: 83 @34341 has 196 MA's), (Start: 105 @34422 has 1 MA's), (136, 34557), (155, 34644), (172, 34689), (186, 34767), (204, 34818), (209, 34845), (211, 34863), (222, 34941), (231, 34974), (235, 34980),

Gene: Weher20_36 Start: 34340, Stop: 34987, Start Num: 83
Candidate Starts for Weher20_36:

(69, 34301), (Start: 82 @34337 has 112 MA's), (Start: 83 @34340 has 196 MA's), (Start: 105 @34421 has 1 MA's), (136, 34556), (155, 34643), (172, 34688), (185, 34757), (186, 34766), (204, 34817), (211, 34862), (222, 34940), (231, 34973), (235, 34979),

Gene: Weher20_37 Start: 34984, Stop: 35583, Start Num: 84
Candidate Starts for Weher20_37:
(26, 34777), (27, 34780), (34, 34804), (41, 34846), (44, 34864), (47, 34879), (Start: 84 @34984 has 463 MA's), (Start: 92 @35014 has 1 MA's), (95, 35026), (107, 35065), (111, 35080), (122, 35134), (134, 35179), (136, 35185), (138, 35191), (140, 35197), (148, 35242), (149, 35245), (155, 35272), (181, 35353), (198, 35416), (205, 35431),

Gene: West99_36 Start: 34804, Stop: 35448, Start Num: 79
Candidate Starts for West99_36:
(32, 34639), (54, 34750), (Start: 79 @34804 has 48 MA's), (Start: 81 @34813 has 1 MA's), (102, 34882), (108, 34909), (110, 34918), (113, 34927), (136, 35035), (140, 35047), (168, 35140), (182, 35206), (186, 35227), (191, 35242), (193, 35248), (200, 35269), (206, 35281), (233, 35437),

Gene: West99_38 Start: 35594, Stop: 36193, Start Num: 84
Candidate Starts for West99_38:
(Start: 78 @35573 has 51 MA's), (Start: 84 @35594 has 463 MA's), (Start: 92 @35624 has 1 MA's), (98, 35645), (107, 35675), (108, 35678), (122, 35744), (136, 35795), (137, 35798), (138, 35801), (145, 35831), (148, 35852), (171, 35918), (179, 35948), (203, 36038), (205, 36041), (208, 36059), (211, 36083), (222, 36152), (229, 36179),

Gene: Windsor_35 Start: 34045, Stop: 34692, Start Num: 83
Candidate Starts for Windsor_35:
(38, 33895), (69, 34006), (Start: 82 @34042 has 112 MA's), (Start: 83 @34045 has 196 MA's), (Start: 105 @34126 has 1 MA's), (136, 34261), (155, 34348), (172, 34393), (186, 34471), (204, 34522), (209, 34549), (211, 34567), (222, 34645), (231, 34678), (235, 34684),

Gene: Windsor_36 Start: 34689, Stop: 35288, Start Num: 84
Candidate Starts for Windsor_36:
(27, 34485), (34, 34509), (41, 34551), (44, 34569), (47, 34584), (Start: 84 @34689 has 463 MA's), (Start: 92 @34719 has 1 MA's), (95, 34731), (107, 34770), (111, 34785), (122, 34839), (134, 34884), (136, 34890), (138, 34896), (140, 34902), (148, 34947), (149, 34950), (155, 34977), (181, 35058), (198, 35121), (205, 35136),

Gene: Wooper_32 Start: 30073, Stop: 30669, Start Num: 84
Candidate Starts for Wooper_32:
(34, 29896), (41, 29935), (42, 29944), (44, 29953), (58, 30007), (60, 30019), (Start: 84 @30073 has 463 MA's), (Start: 92 @30103 has 1 MA's), (119, 30217), (122, 30223), (136, 30274), (138, 30280), (148, 30331), (171, 30397), (177, 30409), (187, 30472), (197, 30502), (205, 30520), (207, 30529), (229, 30655),

Gene: Wooper_31 Start: 29462, Stop: 30076, Start Num: 85
Candidate Starts for Wooper_31:
(32, 29270), (Start: 85 @29462 has 18 MA's), (Start: 86 @29465 has 5 MA's), (104, 29531), (109, 29546), (111, 29555), (117, 29594), (123, 29615), (127, 29630), (135, 29663), (145, 29702), (146, 29705), (148, 29723), (150, 29729), (170, 29777), (211, 29951), (224, 30035), (233, 30065),

Gene: Xavier_35 Start: 34059, Stop: 34709, Start Num: 82
Candidate Starts for Xavier_35:

(69, 34023), (Start: 82 @34059 has 112 MA's), (Start: 83 @34062 has 196 MA's), (Start: 105 @34143 has 1 MA's), (136, 34278), (155, 34365), (172, 34410), (186, 34488), (204, 34539), (209, 34566), (211, 34584), (222, 34662), (231, 34695), (235, 34701),

Gene: Xavier_36 Start: 34706, Stop: 35305, Start Num: 84
Candidate Starts for Xavier_36:
(27, 34502), (34, 34526), (41, 34568), (44, 34586), (47, 34601), (Start: 84 @34706 has 463 MA's), (Start: 92 @34736 has 1 MA's), (95, 34748), (107, 34787), (111, 34802), (122, 34856), (134, 34901), (136, 34907), (138, 34913), (140, 34919), (148, 34964), (149, 34967), (155, 34994), (178, 35054), (181, 35075), (205, 35153),

Gene: Xincheng_32 Start: 33987, Stop: 34634, Start Num: 64
Candidate Starts for Xincheng_32:
(Start: 64 @33987 has 28 MA's), (94, 34065), (97, 34077), (115, 34149), (124, 34173), (129, 34194), (130, 34203), (131, 34206), (134, 34215), (146, 34263), (157, 34317), (164, 34335), (181, 34395), (185, 34407), (205, 34467), (209, 34491), (211, 34509), (225, 34596), (233, 34623),

Gene: Xincheng_33 Start: 34631, Stop: 35236, Start Num: 84
Candidate Starts for Xincheng_33:
(Start: 84 @34631 has 463 MA's), (Start: 92 @34667 has 1 MA's), (95, 34679), (102, 34694), (107, 34718), (108, 34721), (122, 34787), (134, 34832), (137, 34841), (138, 34844), (139, 34847), (140, 34850), (145, 34874), (148, 34895), (155, 34925), (178, 34985), (181, 35006), (198, 35069), (203, 35081), (211, 35126), (225, 35204), (229, 35222),

Gene: Yago84_29 Start: 28425, Stop: 29039, Start Num: 85
Candidate Starts for Yago84_29:
(Start: 85 @28425 has 18 MA's), (90, 28440), (104, 28494), (111, 28518), (117, 28557), (135, 28626), (136, 28629), (146, 28668), (150, 28692), (168, 28734), (174, 28746), (182, 28800), (219, 28971), (222, 28992), (224, 28998), (233, 29028),

Gene: Yago84_30 Start: 29036, Stop: 29665, Start Num: 84
Candidate Starts for Yago84_30:
(34, 28859), (Start: 84 @29036 has 463 MA's), (Start: 92 @29066 has 1 MA's), (102, 29093), (119, 29180), (122, 29186), (135, 29234), (138, 29243), (145, 29273), (148, 29294), (160, 29339), (169, 29357), (171, 29360), (205, 29483), (207, 29492), (208, 29501),

Gene: Yahalom_37 Start: 34940, Stop: 35539, Start Num: 84
Candidate Starts for Yahalom_37:
(Start: 84 @34940 has 463 MA's), (Start: 92 @34970 has 1 MA's), (102, 34997), (119, 35084), (122, 35090), (140, 35153), (145, 35177), (148, 35198), (178, 35288), (198, 35372), (203, 35384), (213, 35444), (224, 35504), (229, 35525),

Gene: Yahalom_36 Start: 34290, Stop: 34943, Start Num: 78
Candidate Starts for Yahalom_36:
(Start: 78 @34290 has 51 MA's), (102, 34371), (107, 34395), (135, 34518), (170, 34644), (177, 34659), (189, 34734), (223, 34899), (231, 34929),

Gene: Yeshua_31 Start: 29442, Stop: 30053, Start Num: 86
Candidate Starts for Yeshua_31:
(32, 29247), (Start: 85 @29439 has 18 MA's), (Start: 86 @29442 has 5 MA's), (104, 29508), (109, 29523), (111, 29532), (117, 29571), (123, 29592), (127, 29607), (135, 29640), (145, 29679), (146, 29682), (148, 29700), (150, 29706), (170, 29754), (211, 29928), (224, 30012), (233, 30042),

Gene: Yeshua_32 Start: 30050, Stop: 30646, Start Num: 84
Candidate Starts for Yeshua_32:
(34, 29873), (41, 29912), (42, 29921), (44, 29930), (58, 29984), (60, 29996), (Start: 84 @30050 has 463 MA's), (Start: 92 @30080 has 1 MA's), (119, 30194), (122, 30200), (136, 30251), (138, 30257), (148, 30308), (171, 30374), (177, 30386), (187, 30449), (197, 30479), (205, 30497), (207, 30506), (229, 30632),

Gene: Yinz_37 Start: 34966, Stop: 35565, Start Num: 84
Candidate Starts for Yinz_37:
(26, 34762), (Start: 84 @34966 has 463 MA's), (Start: 92 @34996 has 1 MA's), (102, 35023), (119, 35110), (122, 35116), (140, 35179), (145, 35203), (178, 35314), (198, 35398), (203, 35410), (213, 35470), (229, 35551),

Gene: Yinz_36 Start: 34316, Stop: 34969, Start Num: 78
Candidate Starts for Yinz_36:
(Start: 78 @34316 has 51 MA's), (102, 34397), (135, 34544), (170, 34670), (177, 34685), (189, 34760), (223, 34925), (231, 34955),

Gene: Yoshand_37 Start: 34992, Stop: 35591, Start Num: 84
Candidate Starts for Yoshand_37:
(27, 34788), (34, 34812), (41, 34854), (44, 34872), (47, 34887), (Start: 84 @34992 has 463 MA's), (Start: 92 @35022 has 1 MA's), (95, 35034), (107, 35073), (111, 35088), (122, 35142), (134, 35187), (136, 35193), (138, 35199), (140, 35205), (148, 35250), (149, 35253), (155, 35280), (178, 35340), (181, 35361), (205, 35439),

Gene: Yoshand_36 Start: 34345, Stop: 34995, Start Num: 82
Candidate Starts for Yoshand_36:
(69, 34309), (Start: 82 @34345 has 112 MA's), (Start: 83 @34348 has 196 MA's), (Start: 105 @34429 has 1 MA's), (136, 34564), (155, 34651), (172, 34696), (186, 34774), (204, 34825), (209, 34852), (211, 34870), (222, 34948), (231, 34981), (235, 34987),

Gene: YouGoGlencoco_36 Start: 34340, Stop: 34990, Start Num: 82
Candidate Starts for YouGoGlencoco_36:
(69, 34304), (Start: 82 @34340 has 112 MA's), (Start: 83 @34343 has 196 MA's), (Start: 105 @34424 has 1 MA's), (136, 34559), (155, 34646), (172, 34691), (186, 34769), (204, 34820), (209, 34847), (211, 34865), (222, 34943), (231, 34976), (235, 34982),

Gene: YouGoGlencoco_37 Start: 34987, Stop: 35586, Start Num: 84
Candidate Starts for YouGoGlencoco_37:
(27, 34783), (34, 34807), (41, 34849), (44, 34867), (47, 34882), (Start: 84 @34987 has 463 MA's), (Start: 92 @35017 has 1 MA's), (95, 35029), (107, 35068), (111, 35083), (122, 35137), (134, 35182), (136, 35188), (138, 35194), (140, 35200), (148, 35245), (149, 35248), (155, 35275), (178, 35335), (181, 35356), (205, 35434),

Gene: Zaider_37 Start: 34573, Stop: 35220, Start Num: 83
Candidate Starts for Zaider_37:
(38, 34423), (69, 34534), (Start: 82 @34570 has 112 MA's), (Start: 83 @34573 has 196 MA's), (Start: 105 @34654 has 1 MA's), (136, 34789), (155, 34876), (172, 34921), (186, 34999), (204, 35050), (209, 35077), (211, 35095), (222, 35173), (231, 35206), (235, 35212),

Gene: Zaider_38 Start: 35217, Stop: 35816, Start Num: 84
Candidate Starts for Zaider_38:

(27, 35013), (34, 35037), (41, 35079), (44, 35097), (47, 35112), (Start: 84 @35217 has 463 MA's), (Start: 92 @35247 has 1 MA's), (95, 35259), (107, 35298), (111, 35313), (122, 35367), (134, 35412), (136, 35418), (138, 35424), (140, 35430), (148, 35475), (149, 35478), (155, 35505), (178, 35565), (181, 35586), (205, 35664),

Gene: Zelda_37 Start: 35034, Stop: 35633, Start Num: 84
Candidate Starts for Zelda_37:
(27, 34830), (34, 34854), (41, 34896), (44, 34914), (47, 34929), (Start: 84 @35034 has 463 MA's), (Start: 92 @35064 has 1 MA's), (95, 35076), (107, 35115), (111, 35130), (122, 35184), (134, 35229), (136, 35235), (138, 35241), (140, 35247), (148, 35292), (149, 35295), (155, 35322), (178, 35382), (181, 35403), (205, 35481),

Gene: Zelda_36 Start: 34390, Stop: 35037, Start Num: 83
Candidate Starts for Zelda_36:
(38, 34240), (69, 34351), (Start: 82 @34387 has 112 MA's), (Start: 83 @34390 has 196 MA's), (Start: 105 @34471 has 1 MA's), (136, 34606), (155, 34693), (172, 34738), (186, 34816), (204, 34867), (209, 34894), (211, 34912), (222, 34990), (231, 35023), (235, 35029),

Gene: Zemanar_34 Start: 34535, Stop: 35182, Start Num: 64
Candidate Starts for Zemanar_34:
(Start: 64 @34535 has 28 MA's), (94, 34613), (97, 34625), (115, 34697), (124, 34721), (130, 34751), (131, 34754), (134, 34763), (146, 34811), (157, 34865), (164, 34883), (181, 34943), (185, 34955), (209, 35039), (211, 35057), (225, 35144), (226, 35147), (233, 35171),

Gene: Zemanar_35 Start: 35179, Stop: 35784, Start Num: 84
Candidate Starts for Zemanar_35:
(Start: 84 @35179 has 463 MA's), (Start: 92 @35215 has 1 MA's), (102, 35242), (107, 35266), (108, 35269), (119, 35329), (122, 35335), (134, 35380), (137, 35389), (138, 35392), (139, 35395), (145, 35422), (148, 35443), (155, 35473), (179, 35539), (181, 35554), (198, 35617), (211, 35674), (225, 35752), (229, 35770),

Gene: Zenteno07_41 Start: 34598, Stop: 35206, Start Num: 84
Candidate Starts for Zenteno07_41:
(59, 34544), (Start: 84 @34598 has 463 MA's), (Start: 88 @34604 has 2 MA's), (Start: 92 @34628 has 1 MA's), (119, 34742), (122, 34748), (138, 34805), (205, 35045), (207, 35054), (216, 35132), (225, 35174),

Gene: Zenteno07_40 Start: 33957, Stop: 34601, Start Num: 82
Candidate Starts for Zenteno07_40:
(49, 33867), (57, 33891), (62, 33909), (Start: 64 @33915 has 28 MA's), (Start: 82 @33957 has 112 MA's), (109, 34050), (112, 34062), (145, 34209), (148, 34230), (162, 34284), (182, 34362), (226, 34566), (233, 34590),

Gene: Zonia_36 Start: 34362, Stop: 35009, Start Num: 83
Candidate Starts for Zonia_36:
(69, 34323), (Start: 82 @34359 has 112 MA's), (Start: 83 @34362 has 196 MA's), (Start: 105 @34443 has 1 MA's), (136, 34578), (155, 34665), (172, 34710), (185, 34779), (186, 34788), (204, 34839), (211, 34884), (222, 34962), (231, 34995), (235, 35001),

Gene: Zonia_37 Start: 35006, Stop: 35605, Start Num: 84
Candidate Starts for Zonia_37:
(26, 34799), (27, 34802), (34, 34826), (41, 34868), (44, 34886), (47, 34901), (Start: 84 @35006 has 463 MA's), (Start: 92 @35036 has 1 MA's), (95, 35048), (107, 35087), (111, 35102), (122, 35156),

(134, 35201), (136, 35207), (138, 35213), (140, 35219), (148, 35264), (149, 35267), (155, 35294), (178, 35354), (181, 35375), (198, 35438), (205, 35453),