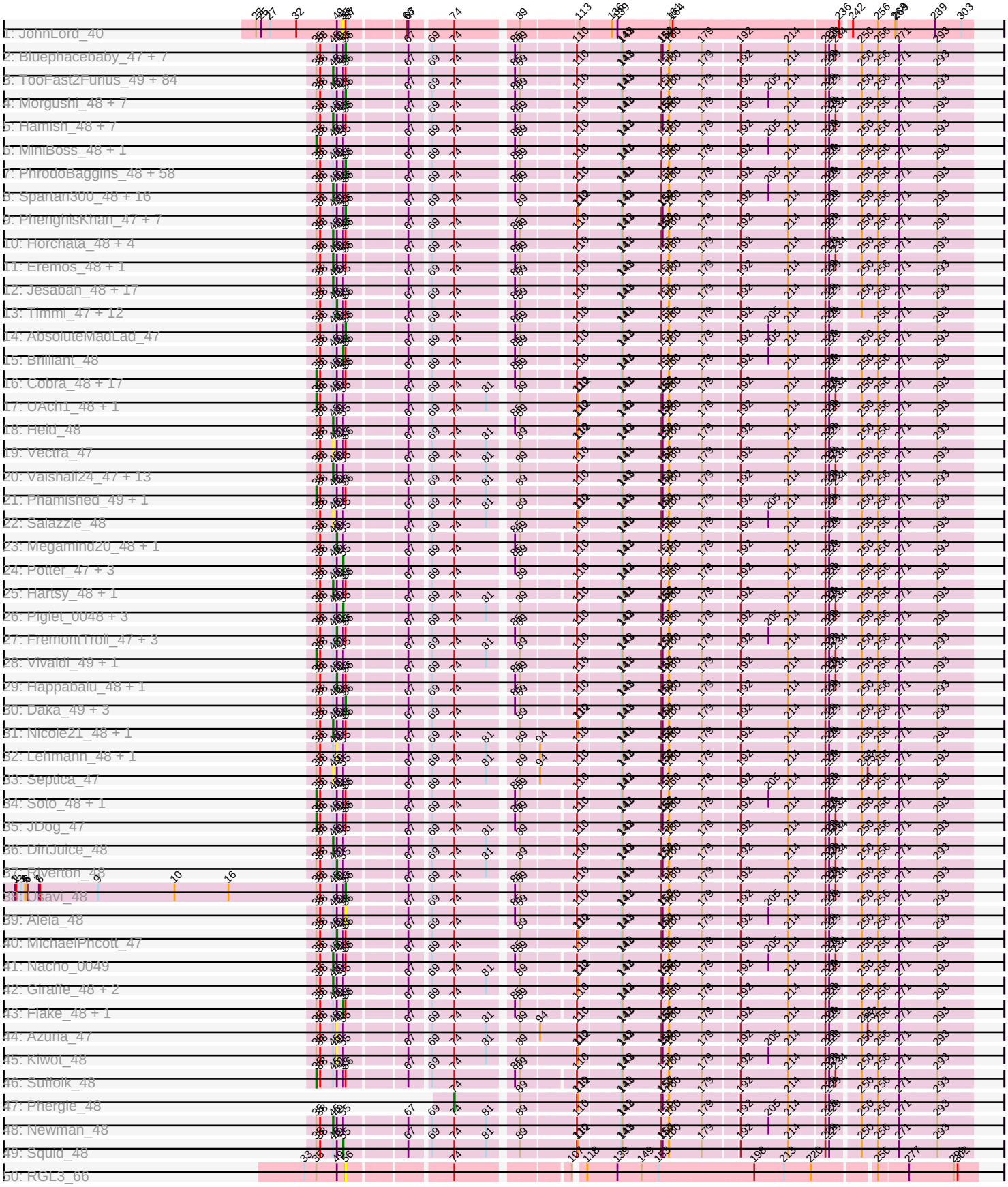
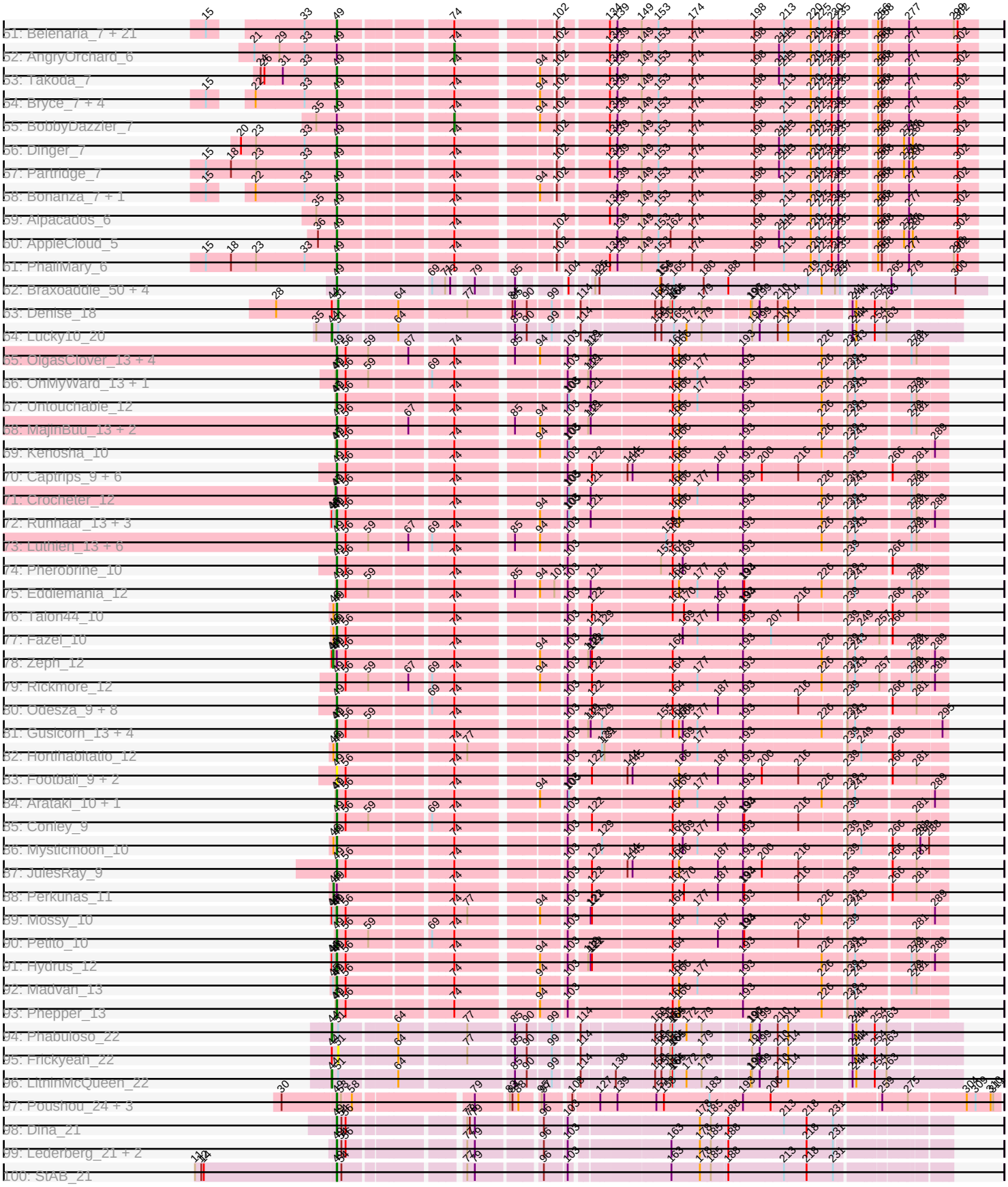
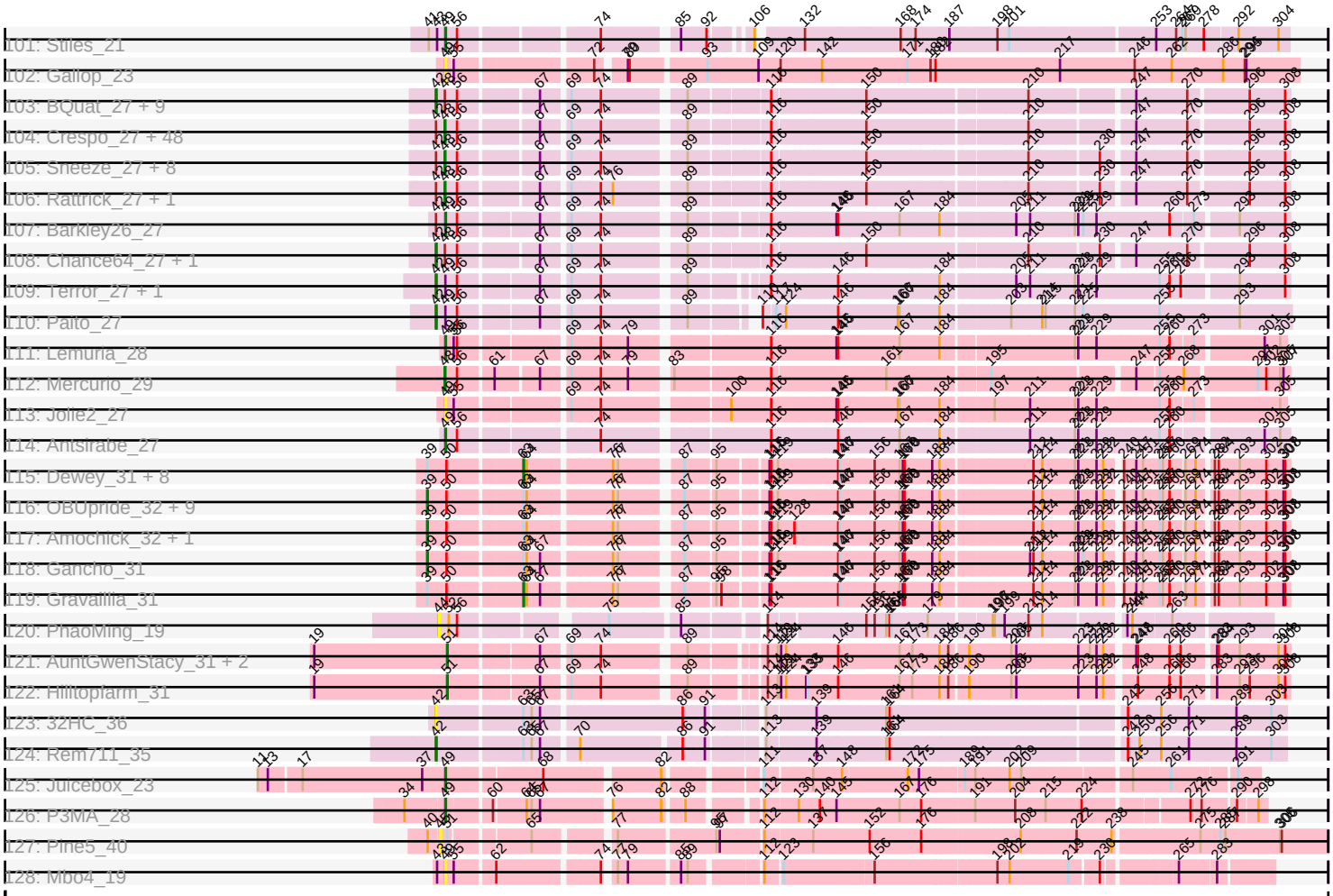
Pham 339171


1: JohnLord_40
2: Bluephacebaby_47 + 7
3: TooFast2Furius_49 + 84
4: Morgushi_48 + 7
5: Hamish_48 + 7
6: MiniBoss_48 + 1
7: PhrodoBaggins_48 + 58
8: Spartan300_48 + 16
9: PhenghisKhan_47 + 7
10: Horchata_48 + 4
11: Eremos_48 + 1
12: Jesaban_48 + 17
13: Timmi_47 + 12
14: AbsoluteMadLad_47
15: Brilliant_48
16: Cobra_48 + 17
17: UAch1_48 + 1
18: Held_48
19: Vectra_47
20: Vaishali24_47 + 13
21: Phamished_49 + 1
22: Salazzle_48
23: Megamind20_48 + 1
24: Potter_47 + 3
25: Hartsy_48 + 1
26: Piglet_0048 + 3
27: FremontTroll_47 + 3
28: Vivaldi_49 + 1
29: Happabalu_48 + 1
30: Daka_49 + 3
31: Nicole21_48 + 1
32: Lehmann_48 + 1
33: Septica_47
34: Soto_48 + 1
35: JDog_47
36: DirtJuice_48
37: Riverton_48
38: Osavi_48
39: Aleia_48
40: MichaelPhcott_47
41: Nacho_0049
42: Giraffe_48 + 2
43: Flake_48 + 1
44: Azuria_47
45: Kiwot_48
46: Suffolk_48
47: Phergie_48
48: Newman_48
49: Squid_48
50: RGL3_66

Pham 339171


51: Belenaria_7 + 21
52: AngryOrchard_6
53: Takoda_7
54: Bryce_7 + 4
55: BobbyDazzler_7
56: Dinger_7
57: Partridge_7
58: Bonanza_7 + 1
59: Alpacados_6
60: AppleCloud_5
61: PhallMary_6
62: Braxoaddie_50 + 4
63: Denise_18
64: Lucky10_20
65: OlgasClover_13 + 4
66: OnMyWard_13 + 1
67: Untouchable_12
68: MajinBuu_13 + 2
69: Kenosha_10
70: Captrips_9 + 6
71: Crocheter_12
72: Runhaar_13 + 3
73: Luthien_13 + 6
74: Pherobrine_10
75: Eddiemania_12
76: Talon44_10
77: Fazel_10
78: Zeph_12
79: Rickmore_12
80: Odesza_9 + 8
81: Gusicorn_13 + 4
82: Hortihabitatio_12
83: Football_9 + 2
84: Arataki_10 + 1
85: Conley_9
86: Mysticmoon_10
87: JulesRay_9
88: Perkunas_11
89: Mossy_10
90: Petito_10
91: Hydrus_12
92: Madvan_13
93: Phepper_13
94: Phabuloso_22
95: Frickyeah_22
96: LithiniMcQueen_22
97: Poushou_24 + 3
98: Dina_21
99: Lederberg_21 + 2
100: StAB_21

Pham 339171


I01: Stiles_21
I02: Gallop_23
I03: BQuat_27 + 9
I04: Crespo_27 + 48
I05: Sneeze_27 + 8
I06: Rattrick_27 + 1
I07: Barkley26_27
I08: Chance64_27 + 1
I09: Terror_27 + 1
I10: Palto_27
I11: Lemuria_28
I12: Mercurio_29
I13: Jolie2_27
I14: Antsirabe_27
I15: Dewey_31 + 8
I16: OBOpride_32 + 9
I17: Amochick_32 + 1
I18: Gancho_31
I19: Gravalilla_31
I20: PhaoMing_19
I21: AuntGwenStacy_31 + 2
I22: Hilltopfarm_31
I23: 32HC_36
I24: Rem711_35
I25: Juicebox_23
I26: P3MA_28
I27: Pine5_40
I28: Mbo4_19

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 339171 Report

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

Pham number 339171 has 563 members, 45 are drafts.

Phages represented in each track:
• Track 1 : JohnLord_40
• Track 2 : Bluephacebaby_47, Colbert_48, HogWash_48, Haimas_48, OliverWalter_48, Virapocalypse_48, Andre_49, CheetO_48
• Track 3 : TooFast2Furius_49, ABU_49, Beaglebox_47, Kwadwo_47, Scrick_48, Haleema_47, Chute_48, Fang_49, Solosis_47, Dice_47, Telesworld_47, Emiris_49, Megatron_49, Olive_48, Maru_47, Swish_49, Omniscient_48, Quisquiliae_48, Xavier_47, Wallhey_47, Slatt_48, Orfeu_47, Khan1_47, DaddyDaniels_48, Ricotta_47, DoesntMatter_47, LasagnaCat_49, Mikota_48, Vaticameos_44, Iridessa_48, HighStump_48, CamL_48, RedMaple_48, Puhltonio_48, Kimbrough_48, OneBrain_49, CampRoach_49, TomBombadil_48, Jiraiya_47, Fringe_49, Kwksand96_47, Podrick_48, TallGrassMM_48, Dione_47, Buckeye_48, Orwigg_47, Mesmerelda_47, Sheila_48, LuckyMarjie_47, Pipsqueak_48, Chaelin_48, Burr_47, Nathan_48, Morty_49, Valjean_48, Roscoe_49, Jiminy_47, OSmaximus_49, Bishoperium_47, Yoshand_49, Mcshane_47, Simielle_47, Plmatters_48, Tomlarah_48, Waterdiva_48, Pherdinand_49, Numberten_48, Freya_47, Grand2040_47, Hocus_47, Selr12_48, Skippy_48, Boehler_48, Schueller_47, QueenBeane_48, Mana_47, Samaymay_48, Olak_47, ElvisPhasley_49, PinheadLarry_48, Mecca_47, Toni_47, Chah_50, Serendipity_48, Phareon_48
• Track 4 : Morgushi_48, GreenChile_49, KingVeVeVe_48, Chuni_48, SDcharge11_48, Crownjwl_48, MelsMeow_48, Pops_48
• Track 5 : Hamish_48, JangoPhett_48, Phipps_48, Etaye_48, Altwerkus_47, Weher20_48, Dati_48, BoogieWoogie_48
• Track 6 : MiniBoss_48, AltPhacts_48
• Track 7 : PhrodoBaggins_48, Katniss_49, Lulumae_47, Orion_49, Scoot17C_49, Squiggle_48, Kahve_47, HenryJackson_47, FugateOSU_47, JacAttac_49, Nyala_47, Lasso_48, Cornobble_47, PallasAthena_47, Apizium_48, ShadowBud_48, Aonishiki_48, LeiMonet_48, PhatLouie_48, Lumine_47, Anderson_48, Labeouficaum_47, Maskar_48, Struggle_47, Caspiboi_47, Hekos_45, CharlieGBrown_47, SirBeauregard_48, Longacauda_47, Swiphy_48, PG1_49, MrPhizzler_48, Mulan_48, Rimu_48, Pinkman_47, FluffyNinja_49, BlackStallion_49, Banjo_47, Cornbread_47, Karn_47, Roy17_48, ThreeOh3D2_49, Ashraf_48, Windsor_47, ImtiyazSitla_48, IsaacEli_49, Eugenia_48, Mutante_47, Trypo_49, DolOn_51, BlacksBerry_47, GeneCoco_48, Adriana_49, Kikipoo_49, Childish_47, Durga_49, Sigman_49, DuchessDung_47, Larson_50
• Track 8 : Spartan300_48, Badfish_49, Riggan_48, Soile_48, Gwennie1_48, ProfessorX_48, Roliet_48, Sophia_47, Nova1_48, BlueHusk_48, MRabcd_47, HSavage_48, Plata_47, Iridoclysis_48, JakeO_47, RedRaider89_49, Dingo_48

• Track 9 : PhenghisKhan_47, Mag7_47, Nehme_47, BatteryCK_47, Phleuron_47, PhrankReynolds_46, Veritas_47, Magic8_48
• Track 10 : Horchata_48, Oosterbaan_48, Prickles_48, Thora_48, Hertubise_48
• Track 11 : Eremos_48, Murdoc_48
• Track 12 : Jesabah_48, Jillium_47, LostAndPhound_47, Mesh1_48, YouGoGlencoco_48, Zaider_49, Placalicious_47, Cosmolli16_47, Zelda_48, Pacifista_47, Cher_47, MitKao_48, Mosaic_47, UncleHowie_48, True_47, Chorkpop_48, Surely_48, LemonSlice_48
• Track 13 : Timmi_47, Keitherie_48, Charles1_48, Gophee_48, Fozzie_47, FleetyMac_48, SallyH_49, Cannibal_48, SilverBell_48, Coletti_48, Doddsville_48, Thunderbird_47, Legolas_48
• Track 14 : AbsoluteMadLad_47
• Track 15 : Brilliant_48
• Track 16 : Cobra_48, PhatCats2014_49, Lulwa_48, ShiVal_48, Craff_49, Kloppinator_49, Derpp_47, Vortex_48, DelRivs_47, Zonia_48, Inchworm_49, Gareth_47, Phunky_48, Duggie_47, Lego3393_47, Virgeve_47, TyrionL_47, NiaNia_51
• Track 17 : UAch1_48, Hetaeria_48
• Track 18 : Held_48
• Track 19 : Vectra_47
• Track 20 : Vaishali24_47, Robyn_47, Tooj_48, EmGer13_48, Harvey_48, Serpentine_0048, Aelin_47, Chunky_48, Manad_48, KlimbOn_48, Lopsy_47, Schadenfreude_47, Inverness_48, Gyarad_0048
• Track 21 : Phamished_49, FriarPreacher_47
• Track 22 : Salazzle_48
• Track 23 : Megamind20_48, DonSanchon_47
• Track 24 : Potter_47, KingTut_39, Matalotodo_48, Vista_48
• Track 25 : Hartsy_48, AngelCake_48
• Track 26 : Piglet_0048, Frankicide_48, KLucky39_48, Antonia_47
• Track 27 : FremontTroll_47, Jbug01_48, Basato_49, Taraxa_48
• Track 28 : Vivaldi_49, Carthage_46
• Track 29 : Happabalu_48, Melc17_48
• Track 30 : Daka_49, Gwilliam_48, Chipette_49, Daffy_48
• Track 31 : Nicole21_48, Kailash_48
• Track 32 : Lehmann_48, Triad_48
• Track 33 : Septica_47
• Track 34 : Soto_48, EmpTee_48
• Track 35 : JDog_47
• Track 36 : DirtJuice_48
• Track 37 : Riverton_48
• Track 38 : Usavi_48
• Track 39 : Aleia_48
• Track 40 : MichaelPhcott_47
• Track 41 : Nacho_0049
• Track 42 : Giraffe_48, LeeLot_48, SassyCat97_47
• Track 43 : Flake_48, Oline_47
• Track 44 : Azuria_47
• Track 45 : Kiwot_48
• Track 46 : Suffolk_48
• Track 47 : Phergie_48
• Track 48 : Newman_48
• Track 49 : Squid_48
• Track 50 : RGL3_66

• Track 51 : Belenaria_7, Rasputin_7, Shuman_7, Bradshaw_7, Naiad_7, Gollum_7, Rhodalysa_7, Krishelle_7, Swann_7, UhSalsa_7, Erik_7, Nancinator_7, Natosaleda_7, Espica_7, TWAMP_7, Lillie_7, Alatin_7, CosmicSans_7, RexFury_7, StCroix_7, RER2_67, Phrankenstein_7
• Track 52 : AngryOrchard_6
• Track 53 : Takoda_7
• Track 54 : Bryce_7, Yoncess_7, Jester_7, Harlequin_7, Hiro_7
• Track 55 : BobbyDazzler_7
• Track 56 : Dinger_7
• Track 57 : Partridge_7
• Track 58 : Bonanza_7, Yogi_7
• Track 59 : Alpacados_6
• Track 60 : AppleCloud_5
• Track 61 : PhailMary_6
• Track 62 : Braxoaddie_50, CoffeeBean_50, Maselop_50, Polyyuki_50, Apiary_50
• Track 63 : Denise_18
• Track 64 : Lucky10_20
• Track 65 : OlgasClover_13, Jodelie19_13, Figliar_13, TenaciousP_13, Aflac_13
• Track 66 : OhMyWard_13, Blanky_9
• Track 67 : Untouchable_12
• Track 68 : MajinBuu_13, BluerMoon_13, Tonaltzin_13
• Track 69 : Kenosha_10
• Track 70 : Captrips_9, Avazak_9, Dancer_9, Tairn4Wing_10, FortCran_9, Artorias_9, Trufflozitus_9
• Track 71 : Crocheter_12
• Track 72 : Runhaar_13, Burley_13, Vardy_13, Nadmeg_13
• Track 73 : Luthien_13, Duffington_13, EndAve_13, AlainaMarie_13, Nithya_13, Chikenjars_13, Citrus_12
• Track 74 : Pherobrine_10
• Track 75 : Eddiemania_12
• Track 76 : Talon44_10
• Track 77 : Fazel_10
• Track 78 : Zeph_12
• Track 79 : Rickmore_12
• Track 80 : Odesza_9, Gill_9, Capybara_9, Magel_9, NoPickles_9, Gravy_9, Tanis_9, Roney_9, Kerry_9
• Track 81 : Gusicorn_13, BetterYeti_13, PestoPenguin_13, ShaggyRogers_13, Aloe25_13
• Track 82 : Hortihabitatio_12
• Track 83 : Football_9, ChickyNuggy_9, Bugg_10
• Track 84 : Arataki_10, Demure_10
• Track 85 : Conley_9
• Track 86 : Mysticmoon_10
• Track 87 : JulesRay_9
• Track 88 : Perkunas_11
• Track 89 : Mossy_10
• Track 90 : Petito_10
• Track 91 : Hydrus_12
• Track 92 : Madvan_13
• Track 93 : Phepper_13
• Track 94 : Phabuloso_22
• Track 95 : Frickyeah_22
• Track 96 : LitninMcQueen_22

• Track 97 : Poushou_24, Arianna_24, TouchMeNot_24, Colleen_24
• Track 98 : Dina_21
• Track 99 : Lederberg_21, Troy_21, SamW_21
• Track 100 : StAB_21
• Track 101 : Stiles_21
• Track 102 : Gallop_23
• Track 103 : BQuat_27, LouisV14_27, Remy19_27, Kareem_27, JorRay_27, CLED96_27, Coleslaw_27, Annihilator_27, Primanti_27, ZoMa_27
• Track 104 : Crespo_27, Darionha_27, Jane_27, AzulaCat_27, BPs_27, Maliketh_27, Mowgli_27, PinkYoshi_27, Phish_27, CassieYates_27, TinaBug_27, DingDing_27, Hope_27, Frosty24_27, TomBrady_27, OctaviousRex_27, Renaissance_27, Kasen3_27, Sizemore_27, Terralys_27, Olga_27, DNAIII_0027, Jeilious_27, Neoh_27, Cedasite_27, Plagueis_27, Marmie_27, Peeb_27, ShaboiShabazz_27, Cherrybomb426_27, DMoney_27, Grizzly_27, Ruriko_27, Liefie_27, Gomashi_27, ForeverHowLong_27, Richarlison_27, Wendigo_27, Phreak_27, Halo_27, BruceB_27, Angel_27, Zombie_27, MZKinsey_27, Sweets_27, GoldenAsh_27, Camri_27, Avrafan_27, Schiebel_27
• Track 105 : Sneeze_27, Aroostook_27, Jonghyun_27, Gideon_27, Hotshotbaby7_27, ECartman_27, Jolene_27, Rabbs_27, Phloodle_27
• Track 106 : Rattrick_27, Periodt_27
• Track 107 : Barkley26_27
• Track 108 : Chance64_27, AizenPogi_27
• Track 109 : Terror_27, Taheera_27
• Track 110 : Paito_27
• Track 111 : Lemuria_28
• Track 112 : Mercurio_29
• Track 113 : Jolie2_27
• Track 114 : Antsirabe_27
• Track 115 : Dewey_31, Forge_31, Hail_31, Wishmaker_31, Luna22_31, Hadrien_32, Luke_32, Giles_31, Ubuntu_32
• Track 116 : OBUpride_32, HH92_31, Amymech_32, Webster2_32, LilHazelnut_32, DeepSoil15_32, Kinbote_32, BloominB_31, Evanesce_31, Ein37_32
• Track 117 : Amochick_32, Daegal_33
• Track 118 : Gancho_31
• Track 119 : Gravaillia_31
• Track 120 : PhaoMing_19
• Track 121 : AuntGwenStacy_31, Faiyaz_31, Typha_31
• Track 122 : Hilltopfarm_31
• Track 123 : 32HC_36
• Track 124 : Rem711_35
• Track 125 : Juicebox_23
• Track 126 : P3MA_28
• Track 127 : Pine5_40
• Track 128 : Mbo4_19

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

The start number called the most often in the published annotations is 45, it was called in 158 of the 518 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABU_49, Aelin_47, Altwerkus_47, AngelCake_48, Badfish_49, Beaglebox_47, Bishoperium_47, BlueHusk_48, Boehler_48, BoogieWoogie_48, Buckeye_48, Burr_47, CamL_48, CampRoach_49, Chaelin_48, Chah_50, Cher_47, Chorkpop_48, Chunky_48, Chute_48, Cosmolli16_47, DaddyDaniels_48, Dati_48, Dice_47, Dingo_48, Dione_47, DirtJuice_48, DoesntMatter_47, ElvisPhasley_49, EmGer13_48, Emiris_49, Eremos_48, Etaye_48, Fang_49, Freya_47, Fringe_49, Giraffe_48, Grand2040_47, Gwennie1_48, Gyarad_0048, HSavage_48, Haleema_47, Hamish_48, Hartsy_48, Harvey_48, Held_48, Hertubise_48, HighStump_48, Hocus_47, Horchata_48, Inverness_48, Iridessa_48, Iridoclysis_48, JakeO_47, JangoPhett_48, Jesabah_48, Jillium_47, Jiminy_47, Jiraiya_47, Kailash_48, Khan1_47, Kimbrough_48, KlimbOn_48, Kwadwo_47, Kwksand96_47, LasagnaCat_49, LeeLot_48, LemonSlice_48, Lopsy_47, LostAndPhound_47, LuckyMarjie_47, MRabcd_47, Mana_47, Manad_48, Maru_47, Mcshane_47, Mecca_47, Megatron_49, Mesh1_48, Mesmerelda_47, Mikota_48, MitKao_48, Morty_49, Mosaic_47, Murdoc_48, Nacho_0049, Nathan_48, Newman_48, Nicole21_48, Nova1_48, Numberten_48, OSmaximus_49, Olak_47, Olive_48, Omniscient_48, OneBrain_49, Oosterbaan_48, Orfeu_47, Orwigg_47, Pacifista_47, Phareon_48, Pherdinand_49, Phipps_48, Pine5_40, PinheadLarry_48, Pipsqueak_48, Placalicious_47, Plata_47, Plmatters_48, Podrick_48, Prickles_48, ProfessorX_48, Puhltonio_48, QueenBeane_48, Quisquiliae_48, RedMaple_48, RedRaider89_49, Ricotta_47, Riggan_48, Robyn_47, Roliet_48, Roscoe_49, Salazzle_48, Samaymay_48, SassyCat97_47, Schadenfreude_47, Schueller_47, Scrick_48, Selr12_48, Septica_47, Serendipity_48, Serpentine_0048, Sheila_48, Simielle_47, Skippy_48, Slatt_48, Soile_48, Solosis_47, Sophia_47, Spartan300_48, Surely_48, Swish_49, TallGrassMM_48, Telesworld_47, Thora_48, TomBombadil_48, Tomlarah_48, Toni_47, TooFast2Furius_49, Tooj_48, True_47, UncleHowie_48, Vaishali24_47, Valjean_48, Vaticameos_44, Vectra_47, Wallhey_47, Waterdiva_48, Weher20_48, Xavier_47, Yoshand_49, YouGoGlencoco_48, Zaider_49, Zelda_48, Zeph_12,

Genes that have the "Most Annotated" start but do not call it:
• AbsoluteMadLad_47, Adriana_49, Aleia_48, AltPhacts_48, Anderson_48, Andre_49, Antonia_47, Aonishiki_48, Apizium_48, Ashraf_48, Azuria_47, Banjo_47, Basato_49, BatteryCK_47, BlackStallion_49, BlacksBerry_47, Bluephacebaby_47, Brilliant_48, Burley_13, Cannibal_48, Carthage_46, Caspiboi_47, Charles1_48, CharlieGBrown_47, CheetO_48, Childish_47, Chipette_49, Chuni_48, Cobra_48, Colbert_48, Coletti_48, Cornbread_47, Cornobble_47, Craff_49, Crownjwl_48, Daffy_48, Daka_49, DelRivs_47, Derpp_47, Doddsville_48, DolOn_51, DonSanchon_47, DuchessDung_47, Duggie_47, Durga_49, EmpTee_48, Eugenia_48, Flake_48, FleetyMac_48, FluffyNinja_49, Fozzie_47, Frankicide_48, FremontTroll_47, FriarPreacher_47, FugateOSU_47, Gareth_47, GeneCoco_48, Gophee_48, GreenChile_49, Gwilliam_48, Haimas_48, Happabalu_48, Hekos_45, HenryJackson_47, Hetaeria_48, HogWash_48, Hydrus_12, ImtiyazSitla_48, Inchworm_49, IsaacEli_49, JDog_47, JacAttac_49, Jbug01_48, KLucky39_48, Kahve_47, Karn_47, Katniss_49, Keitherie_48, Kikipoo_49, KingTut_39, KingVeVeVe_48, Kiwot_48, Kloppinator_49, Labeouficaum_47, Larson_50, Lasso_48, Lego3393_47, Legolas_48, Lehmann_48, LeiMonet_48, Longacauda_47, Lulumae_47, Lulwa_48, Lumine_47, Madvan_13, Mag7_47, Magic8_48, Maskar_48, Matalotodo_48, Megamind20_48, Melc17_48, MelsMeow_48, MichaelPhcott_47, MiniBoss_48, Morgushi_48, Mossy_10, MrPhizzler_48, Mulan_48, Mutante_47, Nadmeg_13, Nehme_47, NiaNia_51, Nyala_47, Oline_47, OliverWalter_48, Orion_49, PG1_49, PallasAthena_47, Phamished_49, PhatCats2014_49,

PhatLouie_48, PhenghisKhan_47, Phleuron_47, PhrankReynolds_46, PhrodoBaggins_48, Phunky_48, Piglet_0048, Pinkman_47, Pops_48, Potter_47, Rimu_48, Riverton_48, Roy17_48, Runhaar_13, SDcharge11_48, SallyH_49, Scoot17C_49, ShadowBud_48, ShiVal_48, Sigman_49, SilverBell_48, SirBeauregard_48, Soto_48, Squid_48, Squiggle_48, Struggle_47, Suffolk_48, Swiphy_48, Taraxa_48, ThreeOh3D2_49, Thunderbird_47, Timmi_47, Triad_48, Trypo_49, TyrionL_47, UAch1_48, Usavi_48, Vardy_13, Veritas_47, Virapocalypse_48, Virgeve_47, Vista_48, Vivaldi_49, Vortex_48, Windsor_47, Zonia_48,

Genes that do not have the "Most Annotated" start:
• 32HC_36, Aflac_13, AizenPogi_27, AlainaMarie_13, Alatin_7, Aloe25_13, Alpacados_6, Amochick_32, Amymech_32, Angel_27, AngryOrchard_6, Annihilator_27, Antsirabe_27, Apiary_50, AppleCloud_5, Arataki_10, Arianna_24, Aroostook_27, Artorias_9, AuntGwenStacy_31, Avazak_9, Avrafan_27, AzulaCat_27, BPs_27, BQuat_27, Barkley26_27, Belenaria_7, BetterYeti_13, Blanky_9, BloominB_31, BluerMoon_13, BobbyDazzler_7, Bonanza_7, Bradshaw_7, Braxoaddie_50, BruceB_27, Bryce_7, Bugg_10, CLED96_27, Camri_27, Captrips_9, Capybara_9, CassieYates_27, Cedasite_27, Chance64_27, Cherrybomb426_27, ChickyNuggy_9, Chikenjars_13, Citrus_12, CoffeeBean_50, Coleslaw_27, Colleen_24, Conley_9, CosmicSans_7, Crespo_27, Crocheter_12, DMoney_27, DNAIII_0027, Daegal_33, Dancer_9, Darionha_27, DeepSoil15_32, Demure_10, Denise_18, Dewey_31, Dina_21, DingDing_27, Dinger_7, Duffington_13, ECartman_27, Eddiemania_12, Ein37_32, EndAve_13, Erik_7, Espica_7, Evanesce_31, Faiyaz_31, Fazel_10, Figliar_13, Football_9, ForeverHowLong_27, Forge_31, FortCran_9, Frickyeah_22, Frosty24_27, Gallop_23, Gancho_31, Gideon_27, Giles_31, Gill_9, GoldenAsh_27, Gollum_7, Gomashi_27, Gravaillia_31, Gravy_9, Grizzly_27, Gusicorn_13, HH92_31, Hadrien_32, Hail_31, Halo_27, Harlequin_7, Hilltopfarm_31, Hiro_7, Hope_27, Hortihabitatio_12, Hotshotbaby7_27, Jane_27, Jeilious_27, Jester_7, Jodelie19_13, JohnLord_40, Jolene_27, Jolie2_27, Jonghyun_27, JorRay_27, Juicebox_23, JulesRay_9, Kareem_27, Kasen3_27, Kenosha_10, Kerry_9, Kinbote_32, Krishelle_7, Lederberg_21, Lemuria_28, Liefie_27, LilHazelnut_32, Lillie_7, LitninMcQueen_22, LouisV14_27, Lucky10_20, Luke_32, Luna22_31, Luthien_13, MZKinsey_27, Magel_9, MajinBuu_13, Maliketh_27, Marmie_27, Maselop_50, Mbo4_19, Mercurio_29, Mowgli_27, Mysticmoon_10, Naiad_7, Nancinator_7, Natosaleda_7, Neoh_27, Nithya_13, NoPickles_9, OBUpride_32, OctaviousRex_27, Odesza_9, OhMyWard_13, Olga_27, OlgasClover_13, P3MA_28, Paito_27, Partridge_7, Peeb_27, Periodt_27, Perkunas_11, PestoPenguin_13, Petito_10, Phabuloso_22, PhailMary_6, PhaoMing_19, Phepper_13, Phergie_48, Pherobrine_10, Phish_27, Phloodle_27, Phrankenstein_7, Phreak_27, PinkYoshi_27, Plagueis_27, Polyyuki_50, Poushou_24, Primanti_27, RER2_67, RGL3_66, Rabbs_27, Rasputin_7, Rattrick_27, Rem711_35, Remy19_27, Renaissance_27, RexFury_7, Rhodalysa_7, Richarlison_27, Rickmore_12, Roney_9, Ruriko_27, SamW_21, Schiebel_27, ShaboiShabazz_27, ShaggyRogers_13, Shuman_7, Sizemore_27, Sneeze_27, StAB_21, StCroix_7, Stiles_21, Swann_7, Sweets_27, TWAMP_7, Taheera_27, Tairn4Wing_10, Takoda_7, Talon44_10, Tanis_9, TenaciousP_13, Terralys_27, Terror_27, TinaBug_27, TomBrady_27, Tonaltzin_13, TouchMeNot_24, Troy_21, Trufflozitus_9, Typha_31, Ubuntu_32, UhSalsa_7, Untouchable_12, Webster2_32, Wendigo_27, Wishmaker_31, Yogi_7, Yoncess_7, ZoMa_27, Zombie_27,

Summary by start number:

Start 35:
• Found in 326 of 563 (57.9%) of genes in pham
• Manual Annotations of this start: 29 of 518
• Called 9.2% of time when present
• Phage (with cluster) where this start called: AltPhacts_48 (B1), Carthage_46 (B1), Cobra_48 (B1), Craff_49 (B1), DelRivs_47 (B1), Derpp_47 (B1), Duggie_47 (B1), EmpTee_48 (B1), FriarPreacher_47 (B1), Gareth_47 (B1), Hetaeria_48 (B1), Inchworm_49 (B1), JDog_47 (B1), Kloppinator_49 (B1), Lego3393_47 (B1), Lulwa_48 (B1), MiniBoss_48 (B1), NiaNia_51 (B1), Phamished_49 (B1), PhatCats2014_49 (B1), Phunky_48 (B1), ShiVal_48 (B1), Soto_48 (B1), Suffolk_48 (B1), TyrionL_47 (B1), UAch1_48 (B1), Virgeve_47 (B1), Vivaldi_49 (B1), Vortex_48 (B1), Zonia_48 (B1),

Start 39:
• Found in 23 of 563 (4.1%) of genes in pham
• Manual Annotations of this start: 13 of 518
• Called 56.5% of time when present
• Phage (with cluster) where this start called: Amochick_32 (Q), Amymech_32 (Q), BloominB_31 (Q), Daegal_33 (Q), DeepSoil15_32 (Q), Ein37_32 (Q), Evanesce_31 (Q), Gancho_31 (Q), HH92_31 (Q), Kinbote_32 (Q), LilHazelnut_32 (Q), OBUpride_32 (Q), Webster2_32 (Q),

Start 42:
• Found in 78 of 563 (13.9%) of genes in pham
• Manual Annotations of this start: 14 of 518
• Called 21.8% of time when present
• Phage (with cluster) where this start called: 32HC_36 (Z), AizenPogi_27 (G1), Annihilator_27 (G1), BQuat_27 (G1), CLED96_27 (G1), Chance64_27 (G1), Coleslaw_27 (G1), JorRay_27 (G1), Kareem_27 (G1), LouisV14_27 (G1), Paito_27 (G1), Primanti_27 (G1), Rem711_35 (Z), Remy19_27 (G1), Taheera_27 (G1), Terror_27 (G1), ZoMa_27 (G1),

Start 44:
• Found in 13 of 563 (2.3%) of genes in pham
• Manual Annotations of this start: 3 of 518
• Called 30.8% of time when present
• Phage (with cluster) where this start called: LitninMcQueen_22 (DN1), Lucky10_20 (DH), Phabuloso_22 (DN1), PhaoMing_19 (UNK),

Start 45:
• Found in 331 of 563 (58.8%) of genes in pham
• Manual Annotations of this start: 158 of 518
• Called 49.8% of time when present
• Phage (with cluster) where this start called: ABU_49 (B1), Aelin_47 (B1), Altwerkus_47 (B1), AngelCake_48 (B1), Badfish_49 (B1), Beaglebox_47 (B1), Bishoperium_47 (B1), BlueHusk_48 (B1), Boehler_48 (B1), BoogieWoogie_48 (B1), Buckeye_48 (B1), Burr_47 (B1), CamL_48 (B1), CampRoach_49 (B1), Chaelin_48 (B1), Chah_50 (B1), Cher_47 (B1), Chorkpop_48 (B1), Chunky_48 (B1), Chute_48 (B1), Cosmolli16_47 (B1), DaddyDaniels_48 (B1), Dati_48 (B1), Dice_47 (B1), Dingo_48 (B1), Dione_47 (B1), DirtJuice_48 (B1), DoesntMatter_47 (B1), ElvisPhasley_49 (B1), EmGer13_48 (B1), Emiris_49 (B1), Eremos_48 (B1), Etaye_48 (B1), Fang_49 (B1), Freya_47 (B1), Fringe_49 (B1), Giraffe_48 (B1), Grand2040_47 (B1), Gwennie1_48 (B1), Gyarad_0048 (B1), HSavage_48 (B1), Haleema_47 (B1),

Hamish_48 (B1), Hartsy_48 (B1), Harvey_48 (B1), Held_48 (B1), Hertubise_48 (B1), HighStump_48 (B1), Hocus_47 (B1), Horchata_48 (B1), Inverness_48 (B1), Iridessa_48 (B1), Iridoclysis_48 (B1), JakeO_47 (B1), JangoPhett_48 (B1), Jesabah_48 (B1), Jillium_47 (B1), Jiminy_47 (B1), Jiraiya_47 (B1), Kailash_48 (B1), Khan1_47 (B1), Kimbrough_48 (B1), KlimbOn_48 (B1), Kwadwo_47 (B1), Kwksand96_47 (B1), LasagnaCat_49 (B1), LeeLot_48 (B1), LemonSlice_48 (B1), Lopsy_47 (B1), LostAndPhound_47 (B1), LuckyMarjie_47 (B1), MRabcd_47 (B1), Mana_47 (B1), Manad_48 (B1), Maru_47 (B1), Mcshane_47 (B1), Mecca_47 (B1), Megatron_49 (B1), Mesh1_48 (B1), Mesmerelda_47 (B1), Mikota_48 (B1), MitKao_48 (B1), Morty_49 (B1), Mosaic_47 (B1), Murdoc_48 (B1), Nacho_0049 (B1), Nathan_48 (B1), Newman_48 (B1), Nicole21_48 (B1), Nova1_48 (B1), Numberten_48 (B1), OSmaximus_49 (B1), Olak_47 (B1), Olive_48 (B1), Omniscient_48 (B1), OneBrain_49 (B1), Oosterbaan_48 (B1), Orfeu_47 (B1), Orwigg_47 (B1), Pacifista_47 (B1), Phareon_48 (B1), Pherdinand_49 (B1), Phipps_48 (B1), Pine5_40 (singleton), PinheadLarry_48 (B1), Pipsqueak_48 (B1), Placalicious_47 (B1), Plata_47 (B1), Plmatters_48 (B1), Podrick_48 (B1), Prickles_48 (B1), ProfessorX_48 (B1), Puhltonio_48 (B1), QueenBeane_48 (B1), Quisquiliae_48 (B1), RedMaple_48 (B1), RedRaider89_49 (B1), Ricotta_47 (B1), Riggan_48 (B1), Robyn_47 (B1), Roliet_48 (B1), Roscoe_49 (B1), Salazzle_48 (B1), Samaymay_48 (B1), SassyCat97_47 (B1), Schadenfreude_47 (B1), Schueller_47 (B1), Scrick_48 (B1), Selr12_48 (B1), Septica_47 (B1), Serendipity_48 (B1), Serpentine_0048 (B1), Sheila_48 (B1), Simielle_47 (B1), Skippy_48 (B1), Slatt_48 (B1), Soile_48 (B1), Solosis_47 (B1), Sophia_47 (B1), Spartan300_48 (B1), Surely_48 (B1), Swish_49 (B1), TallGrassMM_48 (B1), Telesworld_47 (B1), Thora_48 (B1), TomBombadil_48 (B1), Tomlarah_48 (B1), Toni_47 (B1), TooFast2Furius_49 (B1), Tooj_48 (B1), True_47 (B1), UncleHowie_48 (B1), Vaishali24_47 (B1), Valjean_48 (B1), Vaticameos_44 (B1), Vectra_47 (B1), Wallhey_47 (B1), Waterdiva_48 (B1), Weher20_48 (B1), Xavier_47 (B1), Yoshand_49 (B1), YouGoGlencoco_48 (B1), Zaider_49 (B1), Zelda_48 (B1), Zeph_12 (DJ),

Start 46:
• Found in 5 of 563 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 518
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Perkunas_11 (DJ),

Start 47:
• Found in 21 of 563 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 518
• Called 4.8% of time when present
• Phage (with cluster) where this start called: Crocheter_12 (DJ),

Start 48:
• Found in 73 of 563 (13.0%) of genes in pham
• Manual Annotations of this start: 59 of 518
• Called 83.6% of time when present
• Phage (with cluster) where this start called: Angel_27 (G1), Aroostook_27 (G1), Avrafan_27 (G1), AzulaCat_27 (G1), BPs_27 (G1), BruceB_27 (G1), Camri_27 (G1), CassieYates_27 (G1), Cedasite_27 (G1), Cherrybomb426_27 (G1), Crespo_27 (G1), DMoney_27 (G1), DNAIII_0027 (G1), Darionha_27 (G1), DingDing_27 (G1), ECartman_27 (G1), ForeverHowLong_27 (G1), Frosty24_27 (G1), Gideon_27 (G1), GoldenAsh_27 (G1), Gomashi_27 (G1), Grizzly_27 (G1), Halo_27 (G1), Hope_27 (G1), Hotshotbaby7_27 (G1), Jane_27 (G1), Jeilious_27 (G), Jolene_27 (G1),

Jonghyun_27 (G1), Kasen3_27 (G1), Liefie_27 (G1), MZKinsey_27 (G1), Maliketh_27 (G1), Marmie_27 (G1), Mercurio_29 (G4), Mowgli_27 (G1), Neoh_27 (G), OctaviousRex_27 (G1), Olga_27 (G1), Peeb_27 (G1), Periodt_27 (G1), Phish_27 (G1), Phloodle_27 (G1), Phreak_27 (G1), PinkYoshi_27 (G1), Plagueis_27 (G1), Rabbs_27 (G1), Rattrick_27 (G1), Renaissance_27 (G1), Richarlison_27 (G1), Ruriko_27 (G1), Schiebel_27 (G1), ShaboiShabazz_27 (G1), Sizemore_27 (G1), Sneeze_27 (G1), Sweets_27 (G1), Terralys_27 (G1), TinaBug_27 (G1), TomBrady_27 (G1), Wendigo_27 (G1), Zombie_27 (G1),

Start 49:
• Found in 453 of 563 (80.5%) of genes in pham
• Manual Annotations of this start: 129 of 518
• Called 32.7% of time when present
• Phage (with cluster) where this start called: Aflac_13 (DJ), AlainaMarie_13 (DJ), Alatin_7 (CA), Aloe25_13 (DJ), Alpacados_6 (CA), Antsirabe_27 (G5), Apiary_50 (CR6), AppleCloud_5 (CA), Arataki_10 (DJ), Arianna_24 (EO), Artorias_9 (DJ), Avazak_9 (DJ), Azuria_47 (B1), Barkley26_27 (G1), Basato_49 (B1), Belenaria_7 (CA), BetterYeti_13 (DJ), Blanky_9 (DJ), BluerMoon_13 (DJ), Bonanza_7 (CA), Bradshaw_7 (CA), Braxoaddie_50 (CR6), Bryce_7 (CA), Bugg_10 (DJ), Burley_13 (DJ), Cannibal_48 (B1), Captrips_9 (DJ), Capybara_9 (DJ), Charles1_48 (B1), ChickyNuggy_9 (DJ), Chikenjars_13 (DJ), Citrus_12 (DJ), CoffeeBean_50 (CR6), Coletti_48 (B1), Colleen_24 (EO), Conley_9 (DJ), CosmicSans_7 (CA), Dancer_9 (DJ), Demure_10 (DJ), Dina_21 (EP), Dinger_7 (CA), Doddsville_48 (B1), DonSanchon_47 (B1), Duffington_13 (DJ), Eddiemania_12 (DJ), EndAve_13 (DJ), Erik_7 (CA), Espica_7 (CA), Fazel_10 (DJ), Figliar_13 (DJ), FleetyMac_48 (B1), Football_9 (DJ), FortCran_9 (DJ), Fozzie_47 (B1), FremontTroll_47 (B1), Gallop_23 (ES), Gill_9 (DJ), Gollum_7 (CA), Gophee_48 (B1), Gravy_9 (DJ), Gusicorn_13 (DJ), Happabalu_48 (B1), Harlequin_7 (CA), Hiro_7 (CA), Hortihabitatio_12 (DJ), Hydrus_12 (DJ), Jbug01_48 (B1), Jester_7 (CA), Jodelie19_13 (DJ), Jolie2_27 (G4), Juicebox_23 (singleton), JulesRay_9 (DJ), Keitherie_48 (B1), Kenosha_10 (DJ), Kerry_9 (DJ), Kiwot_48 (B1), Krishelle_7 (CA), Lederberg_21 (EP), Legolas_48 (B1), Lehmann_48 (B1), Lemuria_28 (G4), Lillie_7 (CA), Luthien_13 (DJ), Madvan_13 (DJ), Magel_9 (DJ), MajinBuu_13 (DJ), Maselop_50 (CR6), Mbo4_19 (singleton), Megamind20_48 (B1), Melc17_48 (B1), MichaelPhcott_47 (B1), Mossy_10 (DJ), Mysticmoon_10 (DJ), Nadmeg_13 (DJ), Naiad_7 (CA), Nancinator_7 (CA), Natosaleda_7 (CA), Nithya_13 (DJ), NoPickles_9 (DJ), Odesza_9 (DJ), OhMyWard_13 (DJ), OlgasClover_13 (DJ), P3MA_28 (singleton), Partridge_7 (CA), PestoPenguin_13 (DJ), Petito_10 (DJ), PhailMary_6 (CA), Phepper_13 (DJ), Pherobrine_10 (DJ), Phrankenstein_7 (CA), Polyyuki_50 (CR6), Poushou_24 (EO), RER2_67 (CA), Rasputin_7 (CA), RexFury_7 (CA), Rhodalysa_7 (CA), Rickmore_12 (DJ), Riverton_48 (B1), Roney_9 (DJ), Runhaar_13 (DJ), SallyH_49 (B1), SamW_21 (EP), ShaggyRogers_13 (DJ), Shuman_7 (CA), SilverBell_48 (B1), StAB_21 (EP), StCroix_7 (CA), Stiles_21 (EP), Swann_7 (CA), TWAMP_7 (CA), Tairn4Wing_10 (DJ), Takoda_7 (CA), Talon44_10 (DJ), Tanis_9 (DJ), Taraxa_48 (B1), TenaciousP_13 (DJ), Thunderbird_47 (B1), Timmi_47 (B1), Tonaltzin_13 (DJ), TouchMeNot_24 (EO), Triad_48 (B1), Troy_21 (EP), Trufflozitus_9 (DJ), UhSalsa_7 (CA), Untouchable_12 (DJ), Vardy_13 (DJ), Yogi_7 (CA), Yoncess_7 (CA),

Start 51:
• Found in 10 of 563 (1.8%) of genes in pham
• Manual Annotations of this start: 5 of 518
• Called 60.0% of time when present

• Phage (with cluster) where this start called: AuntGwenStacy_31 (Y), Denise_18 (CZ5), Faiyaz_31 (Y), Frickyeah_22 (DN1), Hilltopfarm_31 (Y), Typha_31 (Y),

Start 55:
• Found in 327 of 563 (58.1%) of genes in pham
• Manual Annotations of this start: 12 of 518
• Called 4.0% of time when present
• Phage (with cluster) where this start called: Antonia_47 (B1), Brilliant_48 (B1), Flake_48 (B1), Frankicide_48 (B1), JohnLord_40 (AD), KLucky39_48 (B1), KingTut_39 (B1), Matalotodo_48 (B1), Oline_47 (B1), Piglet_0048 (B1), Potter_47 (B1), Squid_48 (B1), Vista_48 (B1),

Start 56:
• Found in 400 of 563 (71.0%) of genes in pham
• Manual Annotations of this start: 81 of 518
• Called 22.8% of time when present
• Phage (with cluster) where this start called: AbsoluteMadLad_47 (B1), Adriana_49 (B1), Aleia_48 (B1), Anderson_48 (B1), Andre_49 (B1), Aonishiki_48 (B1), Apizium_48 (B1), Ashraf_48 (B1), Banjo_47 (B1), BatteryCK_47 (B1), BlackStallion_49 (B1), BlacksBerry_47 (B1), Bluephacebaby_47 (B1), Caspiboi_47 (B1), CharlieGBrown_47 (B1), CheetO_48 (B1), Childish_47 (B1), Chipette_49 (B1), Chuni_48 (B1), Colbert_48 (B1), Cornbread_47 (B1), Cornobble_47 (B1), Crownjwl_48 (B1), Daffy_48 (B1), Daka_49 (B1), DolOn_51 (B1), DuchessDung_47 (B1), Durga_49 (B1), Eugenia_48 (B1), FluffyNinja_49 (B1), FugateOSU_47 (B1), GeneCoco_48 (B1), GreenChile_49 (B1), Gwilliam_48 (B1), Haimas_48 (B1), Hekos_45 (B1), HenryJackson_47 (B1), HogWash_48 (B1), ImtiyazSitla_48 (B1), IsaacEli_49 (B1), JacAttac_49 (B1), Kahve_47 (B1), Karn_47 (B1), Katniss_49 (B1), Kikipoo_49 (B1), KingVeVeVe_48 (B1), Labeouficaum_47 (B1), Larson_50 (B1), Lasso_48 (B1), LeiMonet_48 (B1), Longacauda_47 (B1), Lulumae_47 (B1), Lumine_47 (B1), Mag7_47 (B1), Magic8_48 (B1), Maskar_48 (B1), MelsMeow_48 (B1), Morgushi_48 (B1), MrPhizzler_48 (B1), Mulan_48 (B1), Mutante_47 (B1), Nehme_47 (B1), Nyala_47 (B1), OliverWalter_48 (B1), Orion_49 (B1), PG1_49 (B1), PallasAthena_47 (B1), PhatLouie_48 (B1), PhenghisKhan_47 (B1), Phleuron_47 (B1), PhrankReynolds_46 (B1), PhrodoBaggins_48 (B1), Pinkman_47 (B1), Pops_48 (B1), RGL3_66 (CA), Rimu_48 (B1), Roy17_48 (B1), SDcharge11_48 (B1), Scoot17C_49 (B1), ShadowBud_48 (B1), Sigman_49 (B1), SirBeauregard_48 (B1), Squiggle_48 (B1), Struggle_47 (B1), Swiphy_48 (B1), ThreeOh3D2_49 (B1), Trypo_49 (B1), Usavi_48 (B1), Veritas_47 (B1), Virapocalypse_48 (B1), Windsor_47 (B1),

Start 63:
• Found in 25 of 563 (4.4%) of genes in pham
• Manual Annotations of this start: 10 of 518
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Dewey_31 (Q), Forge_31 (Q), Giles_31 (Q), Gravaillia_31 (Q), Hadrien_32 (Q), Hail_31 (Q), Luke_32 (Q), Luna22_31 (Q), Ubuntu_32 (Q), Wishmaker_31 (Q),

Start 74:
• Found in 514 of 563 (91.3%) of genes in pham
• Manual Annotations of this start: 3 of 518
• Called 0.6% of time when present

• Phage (with cluster) where this start called: AngryOrchard_6 (CA), BobbyDazzler_7 (CA), Phergie_48 (B1),

Summary by clusters:

There are 20 clusters represented in this pham: UNK, singleton, G4, DJ, AD, G1, G5, CA, G, EO, CZ5, Q, DN1, B1, DH, Y, CR6, Z, EP, ES,

Info for manual annotations of cluster B1:
•Start number 35 was manually annotated 29 times for cluster B1.
•Start number 45 was manually annotated 157 times for cluster B1.
•Start number 49 was manually annotated 17 times for cluster B1.
•Start number 55 was manually annotated 12 times for cluster B1.
•Start number 56 was manually annotated 81 times for cluster B1.
•Start number 74 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster CA:
•Start number 49 was manually annotated 34 times for cluster CA.
•Start number 74 was manually annotated 2 times for cluster CA.

Info for manual annotations of cluster CR6:
•Start number 49 was manually annotated 5 times for cluster CR6.

Info for manual annotations of cluster CZ5:
•Start number 51 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DH:
•Start number 44 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DJ:
•Start number 45 was manually annotated 1 time for cluster DJ.
•Start number 46 was manually annotated 1 time for cluster DJ.
•Start number 47 was manually annotated 1 time for cluster DJ.
•Start number 49 was manually annotated 58 times for cluster DJ.

Info for manual annotations of cluster DN1:
•Start number 44 was manually annotated 2 times for cluster DN1.

Info for manual annotations of cluster EO:
•Start number 49 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:
•Start number 49 was manually annotated 6 times for cluster EP.

Info for manual annotations of cluster G:
•Start number 48 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 42 was manually annotated 13 times for cluster G1.
•Start number 48 was manually annotated 56 times for cluster G1.
•Start number 49 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster G4:
•Start number 48 was manually annotated 1 time for cluster G4.
•Start number 49 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:
•Start number 49 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster Q:
•Start number 39 was manually annotated 13 times for cluster Q.
•Start number 63 was manually annotated 10 times for cluster Q.

Info for manual annotations of cluster Y:
•Start number 51 was manually annotated 4 times for cluster Y.

Info for manual annotations of cluster Z:
•Start number 42 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_36 Start: 27405, Stop: 28772, Start Num: 42
Candidate Starts for 32HC_36:
(Start: 42 @27405 has 14 MA's), (Start: 63 @27534 has 10 MA's), (65, 27549), (67, 27564), (86, 27801), (91, 27840), (113, 27912), (139, 27990), (161, 28101), (164, 28107), (242, 28497), (256, 28554), (271, 28602), (289, 28683), (303, 28746),

Gene: ABU_49 Start: 40509, Stop: 41825, Start Num: 45
Candidate Starts for ABU_49:
(Start: 35 @40470 has 29 MA's), (38, 40479), (Start: 45 @40509 has 158 MA's), (Start: 49 @40518 has 129 MA's), (Start: 55 @40530 has 12 MA's), (Start: 56 @40536 has 81 MA's), (67, 40656), (69, 40698), (Start: 74 @40749 has 3 MA's), (85, 40863), (89, 40875), (110, 40977), (141, 41064), (143, 41067), (156, 41151), (160, 41169), (179, 41244), (192, 41319), (214, 41427), (228, 41505), (229, 41514), (250, 41574), (256, 41610), (271, 41658), (293, 41745),

Gene: AbsoluteMadLad_47 Start: 40413, Stop: 41702, Start Num: 56
Candidate Starts for AbsoluteMadLad_47:
(Start: 35 @40347 has 29 MA's), (38, 40356), (Start: 45 @40386 has 158 MA's), (Start: 49 @40395 has 129 MA's), (Start: 55 @40407 has 12 MA's), (Start: 56 @40413 has 81 MA's), (67, 40533), (69, 40575), (Start: 74 @40626 has 3 MA's), (85, 40740), (89, 40752), (110, 40854), (141, 40941), (143, 40944), (156, 41028), (160, 41046), (179, 41121), (192, 41196), (205, 41259), (214, 41304), (228, 41382), (229, 41391), (256, 41487), (271, 41535), (293, 41622),

Gene: Adriana_49 Start: 40534, Stop: 41823, Start Num: 56
Candidate Starts for Adriana_49:
(Start: 35 @40468 has 29 MA's), (38, 40477), (Start: 45 @40507 has 158 MA's), (Start: 49 @40516 has 129 MA's), (Start: 55 @40528 has 12 MA's), (Start: 56 @40534 has 81 MA's), (67, 40654), (69, 40696), (Start: 74 @40747 has 3 MA's), (85, 40861), (89, 40873), (110, 40975), (141, 41062), (143, 41065), (156, 41149), (160, 41167), (179, 41242), (192, 41317), (214, 41425), (228, 41503), (229, 41512), (250, 41572), (256, 41608), (271, 41656), (293, 41743),

Gene: Aelin_47 Start: 39938, Stop: 41266, Start Num: 45
Candidate Starts for Aelin_47:
(Start: 35 @39899 has 29 MA's), (38, 39908), (Start: 45 @39938 has 158 MA's), (Start: 49 @39947 has 129 MA's), (Start: 55 @39959 has 12 MA's), (67, 40085), (69, 40127), (Start: 74 @40178 has 3 MA's), (81, 40247), (89, 40304), (110, 40418), (141, 40505), (143, 40508), (156, 40592), (157, 40595), (160, 40610), (179, 40685), (192, 40760), (214, 40868), (228, 40946), (229, 40955), (234, 40970), (250, 41015), (256, 41051), (271, 41099), (293, 41186),

Gene: Aflac_13 Start: 6653, Stop: 7939, Start Num: 49
Candidate Starts for Aflac_13:
(Start: 49 @6653 has 129 MA's), (Start: 56 @6671 has 81 MA's), (59, 6725), (67, 6809), (Start: 74 @6902 has 3 MA's), (85, 7016), (94, 7064), (103, 7115), (119, 7151), (121, 7157), (164, 7343), (166, 7358), (193, 7496), (226, 7673), (239, 7718), (243, 7736), (279, 7859), (281, 7871),

Gene: AizenPogi_27 Start: 23870, Stop: 25201, Start Num: 42
Candidate Starts for AizenPogi_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: AlainaMarie_13 Start: 6643, Stop: 7929, Start Num: 49
Candidate Starts for AlainaMarie_13:
(Start: 49 @6643 has 129 MA's), (Start: 56 @6661 has 81 MA's), (59, 6715), (67, 6799), (69, 6841), (Start: 74 @6892 has 3 MA's), (85, 7006), (94, 7054), (103, 7105), (159, 7318), (164, 7333), (193, 7486), (226, 7663), (239, 7708), (243, 7726), (279, 7849), (281, 7861),

Gene: Alatin_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Alatin_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Aleia_48 Start: 39970, Stop: 41259, Start Num: 56
Candidate Starts for Aleia_48:
(Start: 35 @39904 has 29 MA's), (38, 39913), (Start: 45 @39943 has 158 MA's), (Start: 49 @39952 has 129 MA's), (Start: 55 @39964 has 12 MA's), (Start: 56 @39970 has 81 MA's), (67, 40090), (69, 40132), (Start: 74 @40183 has 3 MA's), (85, 40297), (89, 40309), (110, 40411), (141, 40498), (143, 40501), (156, 40585), (157, 40588), (160, 40603), (179, 40678), (192, 40753), (205, 40816), (214, 40861), (228, 40939), (229, 40948), (250, 41008), (256, 41044), (271, 41092), (293, 41179),

Gene: Aloe25_13 Start: 6443, Stop: 7729, Start Num: 49
Candidate Starts for Aloe25_13:
(Start: 47 @6440 has 1 MA's), (Start: 49 @6443 has 129 MA's), (Start: 56 @6461 has 81 MA's), (59, 6515), (Start: 74 @6692 has 3 MA's), (103, 6905), (119, 6941), (121, 6947), (129, 6974), (155, 7106), (164, 7133), (166, 7148), (169, 7157), (177, 7190), (193, 7286), (226, 7463), (239, 7508), (243, 7526), (295, 7718),

Gene: Alpacados_6 Start: 1745, Stop: 3085, Start Num: 49
Candidate Starts for Alpacados_6:
(Start: 35 @1697 has 29 MA's), (Start: 49 @1745 has 129 MA's), (Start: 74 @1979 has 3 MA's), (134, 2282), (139, 2300), (149, 2354), (153, 2390), (174, 2465), (198, 2603), (213, 2666), (220, 2726), (225, 2741), (230, 2771), (235, 2786), (256, 2858), (258, 2867), (277, 2924), (302, 3038),

Gene: AltPhacts_48 Start: 40320, Stop: 41675, Start Num: 35
Candidate Starts for AltPhacts_48:
(Start: 35 @40320 has 29 MA's), (38, 40329), (Start: 45 @40359 has 158 MA's), (Start: 49 @40368 has 129 MA's), (Start: 55 @40380 has 12 MA's), (67, 40506), (69, 40548), (Start: 74 @40599 has 3 MA's), (85, 40713), (89, 40725), (110, 40827), (141, 40914), (143, 40917), (156, 41001), (160, 41019), (179, 41094), (192, 41169), (205, 41232), (214, 41277), (228, 41355), (229, 41364), (250, 41424), (256, 41460), (271, 41508), (293, 41595),

Gene: Altwerkus_47 Start: 40065, Stop: 41381, Start Num: 45
Candidate Starts for Altwerkus_47:
(Start: 35 @40026 has 29 MA's), (38, 40035), (Start: 45 @40065 has 158 MA's), (Start: 49 @40074 has 129 MA's), (Start: 55 @40086 has 12 MA's), (Start: 56 @40092 has 81 MA's), (67, 40212), (69, 40254), (Start: 74 @40305 has 3 MA's), (85, 40419), (89, 40431), (110, 40533), (141, 40620), (143, 40623), (156, 40707), (157, 40710), (160, 40725), (179, 40800), (192, 40875), (214, 40983), (228, 41061), (229, 41070), (234, 41085), (250, 41130), (256, 41166), (271, 41214), (293, 41301),

Gene: Amochick_32 Start: 26987, Stop: 28345, Start Num: 39
Candidate Starts for Amochick_32:
(Start: 39 @26987 has 13 MA's), (50, 27020), (Start: 63 @27137 has 10 MA's), (64, 27143), (76, 27278), (77, 27287), (87, 27380), (95, 27428), (115, 27497), (116, 27500), (119, 27512), (128, 27542), (146, 27614), (147, 27617), (156, 27674), (167, 27719), (169, 27725), (170, 27728), (181, 27776), (184, 27788), (212, 27938), (214, 27953), (221, 28010), (223, 28016), (229, 28049), (232, 28061), (240, 28082), (247, 28103), (251, 28115), (255, 28142), (257, 28148), (260, 28160), (269, 28178), (274, 28196), (282, 28217), (284, 28223), (293, 28259), (302, 28304), (307, 28334), (308, 28337),

Gene: Amymech_32 Start: 26981, Stop: 28339, Start Num: 39
Candidate Starts for Amymech_32:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Anderson_48 Start: 40391, Stop: 41680, Start Num: 56
Candidate Starts for Anderson_48:
(Start: 35 @40325 has 29 MA's), (38, 40334), (Start: 45 @40364 has 158 MA's), (Start: 49 @40373 has 129 MA's), (Start: 55 @40385 has 12 MA's), (Start: 56 @40391 has 81 MA's), (67, 40511), (69, 40553), (Start: 74 @40604 has 3 MA's), (85, 40718), (89, 40730), (110, 40832), (141, 40919), (143, 40922), (156, 41006), (160, 41024), (179, 41099), (192, 41174), (214, 41282), (228, 41360), (229, 41369), (250, 41429), (256, 41465), (271, 41513), (293, 41600),

Gene: Andre_49 Start: 40528, Stop: 41817, Start Num: 56
Candidate Starts for Andre_49:
(Start: 35 @40462 has 29 MA's), (38, 40471), (Start: 45 @40501 has 158 MA's), (Start: 49 @40510 has 129 MA's), (Start: 55 @40522 has 12 MA's), (Start: 56 @40528 has 81 MA's), (67, 40648), (69, 40690), (Start: 74 @40741 has 3 MA's), (85, 40855), (89, 40867), (110, 40969), (141, 41056), (143, 41059), (156, 41143), (157, 41146), (160, 41161), (179, 41236), (192, 41311), (214, 41419), (228, 41497), (229, 41506), (234, 41521), (250, 41566), (256, 41602), (271, 41650), (293, 41737),

Gene: Angel_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Angel_27:

(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: AngelCake_48 Start: 40386, Stop: 41702, Start Num: 45
Candidate Starts for AngelCake_48:
(Start: 35 @40347 has 29 MA's), (38, 40356), (Start: 45 @40386 has 158 MA's), (Start: 49 @40395 has 129 MA's), (Start: 55 @40407 has 12 MA's), (Start: 56 @40413 has 81 MA's), (67, 40533), (69, 40575), (Start: 74 @40626 has 3 MA's), (89, 40752), (110, 40854), (141, 40941), (143, 40944), (156, 41028), (160, 41046), (179, 41121), (192, 41196), (214, 41304), (228, 41382), (229, 41391), (250, 41451), (256, 41487), (271, 41535), (293, 41622),

Gene: AngryOrchard_6 Start: 1971, Stop: 3068, Start Num: 74
Candidate Starts for AngryOrchard_6:
(21, 1542), (29, 1602), (33, 1662), (Start: 49 @1737 has 129 MA's), (Start: 74 @1971 has 3 MA's), (102, 2163), (134, 2265), (139, 2283), (149, 2337), (153, 2373), (174, 2448), (198, 2586), (211, 2640), (213, 2649), (220, 2709), (225, 2724), (230, 2754), (235, 2769), (256, 2841), (258, 2850), (277, 2907), (302, 3021),

Gene: Annihilator_27 Start: 23861, Stop: 25192, Start Num: 42
Candidate Starts for Annihilator_27:
(Start: 42 @23861 has 14 MA's), (Start: 48 @23876 has 59 MA's), (Start: 56 @23897 has 81 MA's), (67, 24017), (69, 24059), (Start: 74 @24110 has 3 MA's), (89, 24236), (116, 24359), (150, 24509), (210, 24776), (247, 24938), (270, 25025), (296, 25121), (308, 25184),

Gene: Antonia_47 Start: 39959, Stop: 41266, Start Num: 55
Candidate Starts for Antonia_47:
(Start: 35 @39899 has 29 MA's), (38, 39908), (Start: 45 @39938 has 158 MA's), (Start: 49 @39947 has 129 MA's), (Start: 55 @39959 has 12 MA's), (67, 40085), (69, 40127), (Start: 74 @40178 has 3 MA's), (81, 40247), (89, 40304), (110, 40418), (141, 40505), (143, 40508), (156, 40592), (157, 40595), (160, 40610), (179, 40685), (192, 40760), (214, 40868), (228, 40946), (229, 40955), (234, 40970), (250, 41015), (256, 41051), (271, 41099), (293, 41186),

Gene: Antsirabe_27 Start: 25537, Stop: 26892, Start Num: 49
Candidate Starts for Antsirabe_27:
(Start: 49 @25537 has 129 MA's), (Start: 56 @25558 has 81 MA's), (Start: 74 @25771 has 3 MA's), (116, 26029), (146, 26143), (167, 26248), (184, 26317), (211, 26461), (221, 26539), (223, 26545), (229, 26578), (255, 26686), (260, 26704), (301, 26848), (305, 26875),

Gene: Aonishiki_48 Start: 40434, Stop: 41723, Start Num: 56
Candidate Starts for Aonishiki_48:
(Start: 35 @40368 has 29 MA's), (38, 40377), (Start: 45 @40407 has 158 MA's), (Start: 49 @40416 has 129 MA's), (Start: 55 @40428 has 12 MA's), (Start: 56 @40434 has 81 MA's), (67, 40554), (69, 40596), (Start: 74 @40647 has 3 MA's), (85, 40761), (89, 40773), (110, 40875), (141, 40962), (143, 40965), (156, 41049), (160, 41067), (179, 41142), (192, 41217), (214, 41325), (228, 41403), (229, 41412), (250, 41472), (256, 41508), (271, 41556), (293, 41643),

Gene: Apiary_50 Start: 35704, Stop: 37047, Start Num: 49
Candidate Starts for Apiary_50:
(Start: 49 @35704 has 129 MA's), (69, 35902), (71, 35932), (73, 35944), (79, 35983), (85, 36055), (104, 36133), (125, 36175), (126, 36184), (154, 36307), (156, 36310), (165, 36340), (180, 36409), (188, 36457), (219, 36640), (226, 36673), (233, 36703), (237, 36715), (265, 36823), (279, 36868), (300, 36973),

Gene: Apizium_48 Start: 40292, Stop: 41581, Start Num: 56
Candidate Starts for Apizium_48:
(Start: 35 @40226 has 29 MA's), (38, 40235), (Start: 45 @40265 has 158 MA's), (Start: 49 @40274 has 129 MA's), (Start: 55 @40286 has 12 MA's), (Start: 56 @40292 has 81 MA's), (67, 40412), (69, 40454), (Start: 74 @40505 has 3 MA's), (85, 40619), (89, 40631), (110, 40733), (141, 40820), (143, 40823), (156, 40907), (160, 40925), (179, 41000), (192, 41075), (214, 41183), (228, 41261), (229, 41270), (250, 41330), (256, 41366), (271, 41414), (293, 41501),

Gene: AppleCloud_5 Start: 1501, Stop: 2832, Start Num: 49
Candidate Starts for AppleCloud_5:
(36, 1456), (Start: 49 @1501 has 129 MA's), (Start: 74 @1735 has 3 MA's), (102, 1927), (139, 2047), (149, 2101), (153, 2137), (162, 2164), (174, 2212), (198, 2350), (211, 2404), (213, 2413), (220, 2473), (225, 2488), (230, 2518), (235, 2533), (256, 2605), (258, 2614), (274, 2659), (277, 2671), (280, 2680), (302, 2785),

Gene: Arataki_10 Start: 4235, Stop: 5521, Start Num: 49
Candidate Starts for Arataki_10:
(Start: 47 @4232 has 1 MA's), (Start: 49 @4235 has 129 MA's), (Start: 56 @4253 has 81 MA's), (Start: 74 @4484 has 3 MA's), (94, 4646), (103, 4697), (105, 4700), (164, 4925), (166, 4940), (177, 4982), (193, 5078), (226, 5255), (239, 5300), (243, 5318), (289, 5492),

Gene: Arianna_24 Start: 22733, Stop: 24118, Start Num: 49
Candidate Starts for Arianna_24:
(30, 22610), (Start: 49 @22733 has 129 MA's), (53, 22742), (58, 22760), (79, 23012), (83, 23081), (84, 23087), (88, 23096), (95, 23135), (97, 23141), (108, 23192), (127, 23246), (139, 23285), (151, 23366), (158, 23384), (183, 23489), (193, 23561), (206, 23627), (259, 23861), (275, 23915), (304, 24038), (309, 24059), (310, 24095), (311, 24101),

Gene: Aroostook_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Aroostook_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Artorias_9 Start: 3802, Stop: 5085, Start Num: 49
Candidate Starts for Artorias_9:
(Start: 49 @3802 has 129 MA's), (Start: 56 @3820 has 81 MA's), (Start: 74 @4051 has 3 MA's), (103, 4264), (122, 4309), (144, 4387), (145, 4399), (164, 4492), (166, 4507), (187, 4591), (193, 4645), (200, 4690), (216, 4771), (239, 4864), (266, 4960), (281, 5017),

Gene: Ashraf_48 Start: 40093, Stop: 41382, Start Num: 56
Candidate Starts for Ashraf_48:
(Start: 35 @40027 has 29 MA's), (38, 40036), (Start: 45 @40066 has 158 MA's), (Start: 49 @40075 has 129 MA's), (Start: 55 @40087 has 12 MA's), (Start: 56 @40093 has 81 MA's), (67, 40213), (69, 40255), (Start: 74 @40306 has 3 MA's), (85, 40420), (89, 40432), (110, 40534), (141, 40621), (143, 40624), (156, 40708), (160, 40726), (179, 40801), (192, 40876), (214, 40984), (228, 41062), (229, 41071), (250, 41131), (256, 41167), (271, 41215), (293, 41302),

Gene: AuntGwenStacy_31 Start: 27779, Stop: 29089, Start Num: 51
Candidate Starts for AuntGwenStacy_31:
(19, 27539), (Start: 51 @27779 has 5 MA's), (67, 27917), (69, 27959), (Start: 74 @28010 has 3 MA's), (89, 28136), (114, 28238), (119, 28256), (121, 28262), (124, 28271), (146, 28361), (167, 28469), (173,

28490), (184, 28538), (186, 28553), (190, 28580), (203, 28649), (205, 28658), (223, 28766), (227, 28787), (229, 28799), (232, 28808), (247, 28847), (248, 28850), (260, 28901), (266, 28916), (283, 28961), (284, 28964), (293, 29000), (304, 29069), (308, 29081),

Gene: Avazak_9 Start: 3805, Stop: 5088, Start Num: 49
Candidate Starts for Avazak_9:
(Start: 49 @3805 has 129 MA's), (Start: 56 @3823 has 81 MA's), (Start: 74 @4054 has 3 MA's), (103, 4267), (122, 4312), (144, 4390), (145, 4402), (164, 4495), (166, 4510), (187, 4594), (193, 4648), (200, 4693), (216, 4774), (239, 4867), (266, 4963), (281, 5020),

Gene: Avrafan_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Avrafan_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: AzulaCat_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for AzulaCat_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Azuria_47 Start: 40395, Stop: 41714, Start Num: 49
Candidate Starts for Azuria_47:
(Start: 35 @40347 has 29 MA's), (38, 40356), (Start: 45 @40386 has 158 MA's), (Start: 49 @40395 has 129 MA's), (Start: 55 @40407 has 12 MA's), (67, 40533), (69, 40575), (Start: 74 @40626 has 3 MA's), (81, 40695), (89, 40752), (94, 40791), (110, 40866), (141, 40953), (143, 40956), (156, 41040), (157, 41043), (160, 41058), (179, 41133), (192, 41208), (214, 41316), (228, 41394), (229, 41403), (250, 41463), (252, 41475), (256, 41499), (271, 41547), (293, 41634),

Gene: BPs_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for BPs_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: BQuat_27 Start: 23861, Stop: 25192, Start Num: 42
Candidate Starts for BQuat_27:
(Start: 42 @23861 has 14 MA's), (Start: 48 @23876 has 59 MA's), (Start: 56 @23897 has 81 MA's), (67, 24017), (69, 24059), (Start: 74 @24110 has 3 MA's), (89, 24236), (116, 24359), (150, 24509), (210, 24776), (247, 24938), (270, 25025), (296, 25121), (308, 25184),

Gene: Badfish_49 Start: 40532, Stop: 41848, Start Num: 45
Candidate Starts for Badfish_49:
(Start: 35 @40493 has 29 MA's), (38, 40502), (Start: 45 @40532 has 158 MA's), (Start: 49 @40541 has 129 MA's), (Start: 55 @40553 has 12 MA's), (Start: 56 @40559 has 81 MA's), (67, 40679), (69, 40721), (Start: 74 @40772 has 3 MA's), (85, 40886), (89, 40898), (110, 41000), (141, 41087), (143, 41090), (156, 41174), (160, 41192), (179, 41267), (192, 41342), (205, 41405), (214, 41450), (228, 41528), (229, 41537), (250, 41597), (256, 41633), (271, 41681), (293, 41768),

Gene: Banjo_47 Start: 40090, Stop: 41379, Start Num: 56
Candidate Starts for Banjo_47:

(Start: 35 @40024 has 29 MA's), (38, 40033), (Start: 45 @40063 has 158 MA's), (Start: 49 @40072 has 129 MA's), (Start: 55 @40084 has 12 MA's), (Start: 56 @40090 has 81 MA's), (67, 40210), (69, 40252), (Start: 74 @40303 has 3 MA's), (85, 40417), (89, 40429), (110, 40531), (141, 40618), (143, 40621), (156, 40705), (160, 40723), (179, 40798), (192, 40873), (214, 40981), (228, 41059), (229, 41068), (250, 41128), (256, 41164), (271, 41212), (293, 41299),

Gene: Barkley26_27 Start: 23877, Stop: 25223, Start Num: 49
Candidate Starts for Barkley26_27:
(Start: 42 @23862 has 14 MA's), (Start: 49 @23877 has 129 MA's), (Start: 56 @23898 has 81 MA's), (67, 24018), (69, 24060), (Start: 74 @24111 has 3 MA's), (89, 24237), (116, 24357), (145, 24468), (146, 24471), (167, 24576), (184, 24645), (205, 24765), (211, 24789), (221, 24867), (223, 24873), (225, 24882), (229, 24906), (260, 25035), (273, 25068), (293, 25134), (308, 25215),

Gene: Basato_49 Start: 40657, Stop: 41964, Start Num: 49
Candidate Starts for Basato_49:
(Start: 35 @40609 has 29 MA's), (38, 40618), (Start: 45 @40648 has 158 MA's), (Start: 49 @40657 has 129 MA's), (Start: 55 @40669 has 12 MA's), (Start: 56 @40675 has 81 MA's), (67, 40795), (69, 40837), (Start: 74 @40888 has 3 MA's), (85, 41002), (89, 41014), (110, 41116), (141, 41203), (143, 41206), (156, 41290), (160, 41308), (179, 41383), (192, 41458), (205, 41521), (214, 41566), (228, 41644), (229, 41653), (250, 41713), (256, 41749), (271, 41797), (293, 41884),

Gene: BatteryCK_47 Start: 40018, Stop: 41322, Start Num: 56
Candidate Starts for BatteryCK_47:
(Start: 35 @39952 has 29 MA's), (38, 39961), (Start: 45 @39991 has 158 MA's), (Start: 49 @40000 has 129 MA's), (Start: 55 @40012 has 12 MA's), (Start: 56 @40018 has 81 MA's), (67, 40138), (69, 40180), (Start: 74 @40231 has 3 MA's), (89, 40357), (110, 40471), (112, 40474), (141, 40561), (143, 40564), (156, 40648), (157, 40651), (160, 40666), (179, 40741), (192, 40816), (214, 40924), (228, 41002), (229, 41011), (250, 41071), (256, 41107), (271, 41155), (293, 41242),

Gene: Beaglebox_47 Start: 40084, Stop: 41400, Start Num: 45
Candidate Starts for Beaglebox_47:
(Start: 35 @40045 has 29 MA's), (38, 40054), (Start: 45 @40084 has 158 MA's), (Start: 49 @40093 has 129 MA's), (Start: 55 @40105 has 12 MA's), (Start: 56 @40111 has 81 MA's), (67, 40231), (69, 40273), (Start: 74 @40324 has 3 MA's), (85, 40438), (89, 40450), (110, 40552), (141, 40639), (143, 40642), (156, 40726), (160, 40744), (179, 40819), (192, 40894), (214, 41002), (228, 41080), (229, 41089), (250, 41149), (256, 41185), (271, 41233), (293, 41320),

Gene: Belenaria_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Belenaria_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: BetterYeti_13 Start: 6443, Stop: 7729, Start Num: 49
Candidate Starts for BetterYeti_13:
(Start: 47 @6440 has 1 MA's), (Start: 49 @6443 has 129 MA's), (Start: 56 @6461 has 81 MA's), (59, 6515), (Start: 74 @6692 has 3 MA's), (103, 6905), (119, 6941), (121, 6947), (129, 6974), (155, 7106), (164, 7133), (166, 7148), (169, 7157), (177, 7190), (193, 7286), (226, 7463), (239, 7508), (243, 7526), (295, 7718),

Gene: Bishoperium_47 Start: 40078, Stop: 41394, Start Num: 45
Candidate Starts for Bishoperium_47:

(Start: 35 @40039 has 29 MA's), (38, 40048), (Start: 45 @40078 has 158 MA's), (Start: 49 @40087 has 129 MA's), (Start: 55 @40099 has 12 MA's), (Start: 56 @40105 has 81 MA's), (67, 40225), (69, 40267), (Start: 74 @40318 has 3 MA's), (85, 40432), (89, 40444), (110, 40546), (141, 40633), (143, 40636), (156, 40720), (160, 40738), (179, 40813), (192, 40888), (214, 40996), (228, 41074), (229, 41083), (250, 41143), (256, 41179), (271, 41227), (293, 41314),

Gene: BlackStallion_49 Start: 40544, Stop: 41833, Start Num: 56
Candidate Starts for BlackStallion_49:
(Start: 35 @40478 has 29 MA's), (38, 40487), (Start: 45 @40517 has 158 MA's), (Start: 49 @40526 has 129 MA's), (Start: 55 @40538 has 12 MA's), (Start: 56 @40544 has 81 MA's), (67, 40664), (69, 40706), (Start: 74 @40757 has 3 MA's), (85, 40871), (89, 40883), (110, 40985), (141, 41072), (143, 41075), (156, 41159), (160, 41177), (179, 41252), (192, 41327), (214, 41435), (228, 41513), (229, 41522), (250, 41582), (256, 41618), (271, 41666), (293, 41753),

Gene: BlacksBerry_47 Start: 40126, Stop: 41415, Start Num: 56
Candidate Starts for BlacksBerry_47:
(Start: 35 @40060 has 29 MA's), (38, 40069), (Start: 45 @40099 has 158 MA's), (Start: 49 @40108 has 129 MA's), (Start: 55 @40120 has 12 MA's), (Start: 56 @40126 has 81 MA's), (67, 40246), (69, 40288), (Start: 74 @40339 has 3 MA's), (85, 40453), (89, 40465), (110, 40567), (141, 40654), (143, 40657), (156, 40741), (160, 40759), (179, 40834), (192, 40909), (214, 41017), (228, 41095), (229, 41104), (250, 41164), (256, 41200), (271, 41248), (293, 41335),

Gene: Blanky_9 Start: 4291, Stop: 5577, Start Num: 49
Candidate Starts for Blanky_9:
(Start: 47 @4288 has 1 MA's), (Start: 49 @4291 has 129 MA's), (Start: 56 @4309 has 81 MA's), (59, 4363), (69, 4489), (Start: 74 @4540 has 3 MA's), (103, 4753), (119, 4789), (121, 4795), (164, 4981), (166, 4996), (177, 5038), (193, 5134), (226, 5311), (239, 5356), (243, 5374),

Gene: BloominB_31 Start: 26981, Stop: 28339, Start Num: 39
Candidate Starts for BloominB_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: BlueHusk_48 Start: 39884, Stop: 41200, Start Num: 45
Candidate Starts for BlueHusk_48:
(Start: 35 @39845 has 29 MA's), (38, 39854), (Start: 45 @39884 has 158 MA's), (Start: 49 @39893 has 129 MA's), (Start: 55 @39905 has 12 MA's), (Start: 56 @39911 has 81 MA's), (67, 40031), (69, 40073), (Start: 74 @40124 has 3 MA's), (85, 40238), (89, 40250), (110, 40352), (141, 40439), (143, 40442), (156, 40526), (160, 40544), (179, 40619), (192, 40694), (205, 40757), (214, 40802), (228, 40880), (229, 40889), (250, 40949), (256, 40985), (271, 41033), (293, 41120),

Gene: Bluephacebaby_47 Start: 40108, Stop: 41397, Start Num: 56
Candidate Starts for Bluephacebaby_47:
(Start: 35 @40042 has 29 MA's), (38, 40051), (Start: 45 @40081 has 158 MA's), (Start: 49 @40090 has 129 MA's), (Start: 55 @40102 has 12 MA's), (Start: 56 @40108 has 81 MA's), (67, 40228), (69, 40270), (Start: 74 @40321 has 3 MA's), (85, 40435), (89, 40447), (110, 40549), (141, 40636), (143, 40639), (156, 40723), (157, 40726), (160, 40741), (179, 40816), (192, 40891), (214, 40999), (228, 41077), (229, 41086), (234, 41101), (250, 41146), (256, 41182), (271, 41230), (293, 41317),

Gene: BluerMoon_13 Start: 6647, Stop: 7933, Start Num: 49
Candidate Starts for BluerMoon_13:
(Start: 49 @6647 has 129 MA's), (Start: 56 @6665 has 81 MA's), (67, 6803), (Start: 74 @6896 has 3 MA's), (85, 7010), (94, 7058), (103, 7109), (119, 7145), (121, 7151), (164, 7337), (166, 7352), (193, 7490), (226, 7667), (239, 7712), (243, 7730), (279, 7853), (281, 7865),

Gene: BobbyDazzler_7 Start: 2091, Stop: 3194, Start Num: 74
Candidate Starts for BobbyDazzler_7:
(Start: 35 @1809 has 29 MA's), (Start: 49 @1857 has 129 MA's), (Start: 74 @2091 has 3 MA's), (94, 2253), (102, 2289), (134, 2391), (139, 2409), (149, 2463), (153, 2499), (174, 2574), (198, 2712), (213, 2775), (220, 2835), (225, 2850), (230, 2880), (235, 2895), (256, 2967), (258, 2976), (277, 3033), (302, 3147),

Gene: Boehler_48 Start: 40387, Stop: 41703, Start Num: 45
Candidate Starts for Boehler_48:
(Start: 35 @40348 has 29 MA's), (38, 40357), (Start: 45 @40387 has 158 MA's), (Start: 49 @40396 has 129 MA's), (Start: 55 @40408 has 12 MA's), (Start: 56 @40414 has 81 MA's), (67, 40534), (69, 40576), (Start: 74 @40627 has 3 MA's), (85, 40741), (89, 40753), (110, 40855), (141, 40942), (143, 40945), (156, 41029), (160, 41047), (179, 41122), (192, 41197), (214, 41305), (228, 41383), (229, 41392), (250, 41452), (256, 41488), (271, 41536), (293, 41623),

Gene: Bonanza_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Bonanza_7:
(15, 1549), (22, 1603), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (94, 2188), (102, 2218), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (302, 3076),

Gene: BoogieWoogie_48 Start: 40068, Stop: 41384, Start Num: 45
Candidate Starts for BoogieWoogie_48:
(Start: 35 @40029 has 29 MA's), (38, 40038), (Start: 45 @40068 has 158 MA's), (Start: 49 @40077 has 129 MA's), (Start: 55 @40089 has 12 MA's), (Start: 56 @40095 has 81 MA's), (67, 40215), (69, 40257), (Start: 74 @40308 has 3 MA's), (85, 40422), (89, 40434), (110, 40536), (141, 40623), (143, 40626), (156, 40710), (157, 40713), (160, 40728), (179, 40803), (192, 40878), (214, 40986), (228, 41064), (229, 41073), (234, 41088), (250, 41133), (256, 41169), (271, 41217), (293, 41304),

Gene: Bradshaw_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Bradshaw_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Braxoaddie_50 Start: 35693, Stop: 37036, Start Num: 49
Candidate Starts for Braxoaddie_50:
(Start: 49 @35693 has 129 MA's), (69, 35891), (71, 35921), (73, 35933), (79, 35972), (85, 36044), (104, 36122), (125, 36164), (126, 36173), (154, 36296), (156, 36299), (165, 36329), (180, 36398), (188, 36446), (219, 36629), (226, 36662), (233, 36692), (237, 36704), (265, 36812), (279, 36857), (300, 36962),

Gene: Brilliant_48 Start: 40101, Stop: 41396, Start Num: 55
Candidate Starts for Brilliant_48:
(Start: 35 @40041 has 29 MA's), (38, 40050), (Start: 45 @40080 has 158 MA's), (Start: 49 @40089 has 129 MA's), (Start: 55 @40101 has 12 MA's), (Start: 56 @40107 has 81 MA's), (67, 40227), (69, 40269), (Start: 74 @40320 has 3 MA's), (85, 40434), (89, 40446), (110, 40548), (141, 40635), (143,

40638), (156, 40722), (160, 40740), (179, 40815), (192, 40890), (205, 40953), (214, 40998), (228, 41076), (229, 41085), (250, 41145), (256, 41181), (271, 41229), (293, 41316),

Gene: BruceB_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for BruceB_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Bryce_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Bryce_7:
(15, 1549), (22, 1603), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (94, 2188), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (302, 3076),

Gene: Buckeye_48 Start: 40401, Stop: 41717, Start Num: 45
Candidate Starts for Buckeye_48:
(Start: 35 @40362 has 29 MA's), (38, 40371), (Start: 45 @40401 has 158 MA's), (Start: 49 @40410 has 129 MA's), (Start: 55 @40422 has 12 MA's), (Start: 56 @40428 has 81 MA's), (67, 40548), (69, 40590), (Start: 74 @40641 has 3 MA's), (85, 40755), (89, 40767), (110, 40869), (141, 40956), (143, 40959), (156, 41043), (160, 41061), (179, 41136), (192, 41211), (214, 41319), (228, 41397), (229, 41406), (250, 41466), (256, 41502), (271, 41550), (293, 41637),

Gene: Bugg_10 Start: 3815, Stop: 5098, Start Num: 49
Candidate Starts for Bugg_10:
(Start: 49 @3815 has 129 MA's), (Start: 56 @3833 has 81 MA's), (Start: 74 @4064 has 3 MA's), (103, 4277), (122, 4322), (144, 4400), (145, 4412), (166, 4520), (187, 4604), (193, 4658), (200, 4703), (216, 4784), (239, 4877), (266, 4973), (281, 5030),

Gene: Burley_13 Start: 6444, Stop: 7730, Start Num: 49
Candidate Starts for Burley_13:
(Start: 44 @6432 has 3 MA's), (Start: 45 @6435 has 158 MA's), (Start: 47 @6441 has 1 MA's), (Start: 49 @6444 has 129 MA's), (Start: 56 @6462 has 81 MA's), (Start: 74 @6693 has 3 MA's), (94, 6855), (103, 6906), (105, 6909), (121, 6948), (164, 7134), (166, 7149), (193, 7287), (226, 7464), (239, 7509), (243, 7527), (279, 7650), (281, 7662), (289, 7701),

Gene: Burr_47 Start: 40075, Stop: 41391, Start Num: 45
Candidate Starts for Burr_47:
(Start: 35 @40036 has 29 MA's), (38, 40045), (Start: 45 @40075 has 158 MA's), (Start: 49 @40084 has 129 MA's), (Start: 55 @40096 has 12 MA's), (Start: 56 @40102 has 81 MA's), (67, 40222), (69, 40264), (Start: 74 @40315 has 3 MA's), (85, 40429), (89, 40441), (110, 40543), (141, 40630), (143, 40633), (156, 40717), (160, 40735), (179, 40810), (192, 40885), (214, 40993), (228, 41071), (229, 41080), (250, 41140), (256, 41176), (271, 41224), (293, 41311),

Gene: CLED96_27 Start: 23870, Stop: 25201, Start Num: 42
Candidate Starts for CLED96_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: CamL_48 Start: 40370, Stop: 41686, Start Num: 45
Candidate Starts for CamL_48:

(Start: 35 @40331 has 29 MA's), (38, 40340), (Start: 45 @40370 has 158 MA's), (Start: 49 @40379 has 129 MA's), (Start: 55 @40391 has 12 MA's), (Start: 56 @40397 has 81 MA's), (67, 40517), (69, 40559), (Start: 74 @40610 has 3 MA's), (85, 40724), (89, 40736), (110, 40838), (141, 40925), (143, 40928), (156, 41012), (160, 41030), (179, 41105), (192, 41180), (214, 41288), (228, 41366), (229, 41375), (250, 41435), (256, 41471), (271, 41519), (293, 41606),

Gene: CampRoach_49 Start: 40504, Stop: 41820, Start Num: 45
Candidate Starts for CampRoach_49:
(Start: 35 @40465 has 29 MA's), (38, 40474), (Start: 45 @40504 has 158 MA's), (Start: 49 @40513 has 129 MA's), (Start: 55 @40525 has 12 MA's), (Start: 56 @40531 has 81 MA's), (67, 40651), (69, 40693), (Start: 74 @40744 has 3 MA's), (85, 40858), (89, 40870), (110, 40972), (141, 41059), (143, 41062), (156, 41146), (160, 41164), (179, 41239), (192, 41314), (214, 41422), (228, 41500), (229, 41509), (250, 41569), (256, 41605), (271, 41653), (293, 41740),

Gene: Camri_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Camri_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Cannibal_48 Start: 40362, Stop: 41669, Start Num: 49
Candidate Starts for Cannibal_48:
(Start: 35 @40314 has 29 MA's), (38, 40323), (Start: 45 @40353 has 158 MA's), (Start: 49 @40362 has 129 MA's), (Start: 55 @40374 has 12 MA's), (Start: 56 @40380 has 81 MA's), (67, 40500), (69, 40542), (Start: 74 @40593 has 3 MA's), (85, 40707), (89, 40719), (110, 40821), (141, 40908), (143, 40911), (156, 40995), (160, 41013), (179, 41088), (192, 41163), (214, 41271), (228, 41349), (229, 41358), (250, 41418), (256, 41454), (271, 41502), (293, 41589),

Gene: Captrips_9 Start: 3805, Stop: 5088, Start Num: 49
Candidate Starts for Captrips_9:
(Start: 49 @3805 has 129 MA's), (Start: 56 @3823 has 81 MA's), (Start: 74 @4054 has 3 MA's), (103, 4267), (122, 4312), (144, 4390), (145, 4402), (164, 4495), (166, 4510), (187, 4594), (193, 4648), (200, 4693), (216, 4774), (239, 4867), (266, 4963), (281, 5020),

Gene: Capybara_9 Start: 3518, Stop: 4801, Start Num: 49
Candidate Starts for Capybara_9:
(Start: 49 @3518 has 129 MA's), (69, 3716), (Start: 74 @3767 has 3 MA's), (103, 3980), (122, 4025), (164, 4208), (187, 4307), (193, 4361), (216, 4487), (239, 4580), (266, 4676), (281, 4733),

Gene: Carthage_46 Start: 39249, Stop: 40616, Start Num: 35
Candidate Starts for Carthage_46:
(Start: 35 @39249 has 29 MA's), (38, 39258), (Start: 45 @39288 has 158 MA's), (Start: 49 @39297 has 129 MA's), (Start: 55 @39309 has 12 MA's), (67, 39435), (69, 39477), (Start: 74 @39528 has 3 MA's), (81, 39597), (89, 39654), (110, 39768), (141, 39855), (143, 39858), (156, 39942), (157, 39945), (160, 39960), (179, 40035), (192, 40110), (214, 40218), (228, 40296), (229, 40305), (234, 40320), (250, 40365), (256, 40401), (271, 40449), (293, 40536),

Gene: Caspiboi_47 Start: 40106, Stop: 41395, Start Num: 56
Candidate Starts for Caspiboi_47:
(Start: 35 @40040 has 29 MA's), (38, 40049), (Start: 45 @40079 has 158 MA's), (Start: 49 @40088 has 129 MA's), (Start: 55 @40100 has 12 MA's), (Start: 56 @40106 has 81 MA's), (67, 40226), (69, 40268), (Start: 74 @40319 has 3 MA's), (85, 40433), (89, 40445), (110, 40547), (141, 40634), (143, 40637), (156, 40721), (160, 40739), (179, 40814), (192, 40889), (214, 40997), (228, 41075), (229,

41084), (250, 41144), (256, 41180), (271, 41228), (293, 41315),

Gene: CassieYates_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for CassieYates_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Cedasite_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Cedasite_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Chaelin_48 Start: 40076, Stop: 41392, Start Num: 45
Candidate Starts for Chaelin_48:
(Start: 35 @40037 has 29 MA's), (38, 40046), (Start: 45 @40076 has 158 MA's), (Start: 49 @40085 has 129 MA's), (Start: 55 @40097 has 12 MA's), (Start: 56 @40103 has 81 MA's), (67, 40223), (69, 40265), (Start: 74 @40316 has 3 MA's), (85, 40430), (89, 40442), (110, 40544), (141, 40631), (143, 40634), (156, 40718), (160, 40736), (179, 40811), (192, 40886), (214, 40994), (228, 41072), (229, 41081), (250, 41141), (256, 41177), (271, 41225), (293, 41312),

Gene: Chah_50 Start: 40531, Stop: 41847, Start Num: 45
Candidate Starts for Chah_50:
(Start: 35 @40492 has 29 MA's), (38, 40501), (Start: 45 @40531 has 158 MA's), (Start: 49 @40540 has 129 MA's), (Start: 55 @40552 has 12 MA's), (Start: 56 @40558 has 81 MA's), (67, 40678), (69, 40720), (Start: 74 @40771 has 3 MA's), (85, 40885), (89, 40897), (110, 40999), (141, 41086), (143, 41089), (156, 41173), (160, 41191), (179, 41266), (192, 41341), (214, 41449), (228, 41527), (229, 41536), (250, 41596), (256, 41632), (271, 41680), (293, 41767),

Gene: Chance64_27 Start: 23870, Stop: 25201, Start Num: 42
Candidate Starts for Chance64_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Charles1_48 Start: 40370, Stop: 41677, Start Num: 49
Candidate Starts for Charles1_48:
(Start: 35 @40322 has 29 MA's), (38, 40331), (Start: 45 @40361 has 158 MA's), (Start: 49 @40370 has 129 MA's), (Start: 55 @40382 has 12 MA's), (Start: 56 @40388 has 81 MA's), (67, 40508), (69, 40550), (Start: 74 @40601 has 3 MA's), (85, 40715), (89, 40727), (110, 40829), (141, 40916), (143, 40919), (156, 41003), (160, 41021), (179, 41096), (192, 41171), (214, 41279), (228, 41357), (229, 41366), (250, 41426), (256, 41462), (271, 41510), (293, 41597),

Gene: CharlieGBrown_47 Start: 39978, Stop: 41267, Start Num: 56
Candidate Starts for CharlieGBrown_47:
(Start: 35 @39912 has 29 MA's), (38, 39921), (Start: 45 @39951 has 158 MA's), (Start: 49 @39960 has 129 MA's), (Start: 55 @39972 has 12 MA's), (Start: 56 @39978 has 81 MA's), (67, 40098), (69, 40140), (Start: 74 @40191 has 3 MA's), (85, 40305), (89, 40317), (110, 40419), (141, 40506), (143, 40509), (156, 40593), (160, 40611), (179, 40686), (192, 40761), (214, 40869), (228, 40947), (229, 40956), (250, 41016), (256, 41052), (271, 41100), (293, 41187),

Gene: CheetO_48 Start: 40408, Stop: 41709, Start Num: 56

Candidate Starts for CheetO_48:
(Start: 35 @40342 has 29 MA's), (38, 40351), (Start: 45 @40381 has 158 MA's), (Start: 49 @40390 has 129 MA's), (Start: 55 @40402 has 12 MA's), (Start: 56 @40408 has 81 MA's), (67, 40528), (69, 40570), (Start: 74 @40621 has 3 MA's), (85, 40735), (89, 40747), (110, 40861), (141, 40948), (143, 40951), (156, 41035), (157, 41038), (160, 41053), (179, 41128), (192, 41203), (214, 41311), (228, 41389), (229, 41398), (234, 41413), (250, 41458), (256, 41494), (271, 41542), (293, 41629),

Gene: Cher_47 Start: 40098, Stop: 41414, Start Num: 45
Candidate Starts for Cher_47:
(Start: 35 @40059 has 29 MA's), (38, 40068), (Start: 45 @40098 has 158 MA's), (Start: 49 @40107 has 129 MA's), (Start: 55 @40119 has 12 MA's), (67, 40245), (69, 40287), (Start: 74 @40338 has 3 MA's), (85, 40452), (89, 40464), (110, 40566), (141, 40653), (143, 40656), (156, 40740), (160, 40758), (179, 40833), (192, 40908), (214, 41016), (228, 41094), (229, 41103), (250, 41163), (256, 41199), (271, 41247), (293, 41334),

Gene: Cherrybomb426_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Cherrybomb426_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: ChickyNuggy_9 Start: 3520, Stop: 4803, Start Num: 49
Candidate Starts for ChickyNuggy_9:
(Start: 49 @3520 has 129 MA's), (Start: 56 @3538 has 81 MA's), (Start: 74 @3769 has 3 MA's), (103, 3982), (122, 4027), (144, 4105), (145, 4117), (166, 4225), (187, 4309), (193, 4363), (200, 4408), (216, 4489), (239, 4582), (266, 4678), (281, 4735),

Gene: Chikenjars_13 Start: 6643, Stop: 7929, Start Num: 49
Candidate Starts for Chikenjars_13:
(Start: 49 @6643 has 129 MA's), (Start: 56 @6661 has 81 MA's), (59, 6715), (67, 6799), (69, 6841), (Start: 74 @6892 has 3 MA's), (85, 7006), (94, 7054), (103, 7105), (159, 7318), (164, 7333), (193, 7486), (226, 7663), (239, 7708), (243, 7726), (279, 7849), (281, 7861),

Gene: Childish_47 Start: 40128, Stop: 41417, Start Num: 56
Candidate Starts for Childish_47:
(Start: 35 @40062 has 29 MA's), (38, 40071), (Start: 45 @40101 has 158 MA's), (Start: 49 @40110 has 129 MA's), (Start: 55 @40122 has 12 MA's), (Start: 56 @40128 has 81 MA's), (67, 40248), (69, 40290), (Start: 74 @40341 has 3 MA's), (85, 40455), (89, 40467), (110, 40569), (141, 40656), (143, 40659), (156, 40743), (160, 40761), (179, 40836), (192, 40911), (214, 41019), (228, 41097), (229, 41106), (250, 41166), (256, 41202), (271, 41250), (293, 41337),

Gene: Chipette_49 Start: 40618, Stop: 41907, Start Num: 56
Candidate Starts for Chipette_49:
(Start: 35 @40552 has 29 MA's), (38, 40561), (Start: 45 @40591 has 158 MA's), (Start: 49 @40600 has 129 MA's), (Start: 55 @40612 has 12 MA's), (Start: 56 @40618 has 81 MA's), (67, 40738), (69, 40780), (Start: 74 @40831 has 3 MA's), (85, 40945), (89, 40957), (110, 41059), (141, 41146), (143, 41149), (156, 41233), (157, 41236), (160, 41251), (179, 41326), (192, 41401), (214, 41509), (228, 41587), (229, 41596), (250, 41656), (256, 41692), (271, 41740), (293, 41827),

Gene: Chorkpop_48 Start: 40097, Stop: 41425, Start Num: 45
Candidate Starts for Chorkpop_48:
(Start: 35 @40058 has 29 MA's), (38, 40067), (Start: 45 @40097 has 158 MA's), (Start: 49 @40106 has 129 MA's), (Start: 55 @40118 has 12 MA's), (67, 40244), (69, 40286), (Start: 74 @40337 has 3

MA's), (85, 40451), (89, 40463), (110, 40577), (141, 40664), (143, 40667), (156, 40751), (160, 40769), (179, 40844), (192, 40919), (214, 41027), (228, 41105), (229, 41114), (250, 41174), (256, 41210), (271, 41258), (293, 41345),

Gene: Chuni_48 Start: 40422, Stop: 41711, Start Num: 56
Candidate Starts for Chuni_48:
(Start: 35 @40356 has 29 MA's), (38, 40365), (Start: 45 @40395 has 158 MA's), (Start: 49 @40404 has 129 MA's), (Start: 55 @40416 has 12 MA's), (Start: 56 @40422 has 81 MA's), (67, 40542), (69, 40584), (Start: 74 @40635 has 3 MA's), (85, 40749), (89, 40761), (110, 40863), (141, 40950), (143, 40953), (156, 41037), (160, 41055), (179, 41130), (192, 41205), (205, 41268), (214, 41313), (228, 41391), (229, 41400), (250, 41460), (256, 41496), (271, 41544), (293, 41631),

Gene: Chunky_48 Start: 40384, Stop: 41712, Start Num: 45
Candidate Starts for Chunky_48:
(Start: 35 @40345 has 29 MA's), (38, 40354), (Start: 45 @40384 has 158 MA's), (Start: 49 @40393 has 129 MA's), (Start: 55 @40405 has 12 MA's), (67, 40531), (69, 40573), (Start: 74 @40624 has 3 MA's), (81, 40693), (89, 40750), (110, 40864), (141, 40951), (143, 40954), (156, 41038), (157, 41041), (160, 41056), (179, 41131), (192, 41206), (214, 41314), (228, 41392), (229, 41401), (234, 41416), (250, 41461), (256, 41497), (271, 41545), (293, 41632),

Gene: Chute_48 Start: 40425, Stop: 41741, Start Num: 45
Candidate Starts for Chute_48:
(Start: 35 @40386 has 29 MA's), (38, 40395), (Start: 45 @40425 has 158 MA's), (Start: 49 @40434 has 129 MA's), (Start: 55 @40446 has 12 MA's), (Start: 56 @40452 has 81 MA's), (67, 40572), (69, 40614), (Start: 74 @40665 has 3 MA's), (85, 40779), (89, 40791), (110, 40893), (141, 40980), (143, 40983), (156, 41067), (160, 41085), (179, 41160), (192, 41235), (214, 41343), (228, 41421), (229, 41430), (250, 41490), (256, 41526), (271, 41574), (293, 41661),

Gene: Citrus_12 Start: 6650, Stop: 7936, Start Num: 49
Candidate Starts for Citrus_12:
(Start: 49 @6650 has 129 MA's), (Start: 56 @6668 has 81 MA's), (59, 6722), (67, 6806), (69, 6848), (Start: 74 @6899 has 3 MA's), (85, 7013), (94, 7061), (103, 7112), (159, 7325), (164, 7340), (193, 7493), (226, 7670), (239, 7715), (243, 7733), (279, 7856), (281, 7868),

Gene: Cobra_48 Start: 40343, Stop: 41698, Start Num: 35
Candidate Starts for Cobra_48:
(Start: 35 @40343 has 29 MA's), (38, 40352), (Start: 45 @40382 has 158 MA's), (Start: 49 @40391 has 129 MA's), (Start: 55 @40403 has 12 MA's), (Start: 56 @40409 has 81 MA's), (67, 40529), (69, 40571), (Start: 74 @40622 has 3 MA's), (85, 40736), (89, 40748), (110, 40850), (141, 40937), (143, 40940), (156, 41024), (160, 41042), (179, 41117), (192, 41192), (214, 41300), (228, 41378), (229, 41387), (250, 41447), (256, 41483), (271, 41531), (293, 41618),

Gene: CoffeeBean_50 Start: 35651, Stop: 36994, Start Num: 49
Candidate Starts for CoffeeBean_50:
(Start: 49 @35651 has 129 MA's), (69, 35849), (71, 35879), (73, 35891), (79, 35930), (85, 36002), (104, 36080), (125, 36122), (126, 36131), (154, 36254), (156, 36257), (165, 36287), (180, 36356), (188, 36404), (219, 36587), (226, 36620), (233, 36650), (237, 36662), (265, 36770), (279, 36815), (300, 36920),

Gene: Colbert_48 Start: 40464, Stop: 41765, Start Num: 56
Candidate Starts for Colbert_48:
(Start: 35 @40398 has 29 MA's), (38, 40407), (Start: 45 @40437 has 158 MA's), (Start: 49 @40446 has 129 MA's), (Start: 55 @40458 has 12 MA's), (Start: 56 @40464 has 81 MA's), (67, 40584), (69,

40626), (Start: 74 @40677 has 3 MA's), (85, 40791), (89, 40803), (110, 40917), (141, 41004), (143, 41007), (156, 41091), (157, 41094), (160, 41109), (179, 41184), (192, 41259), (214, 41367), (228, 41445), (229, 41454), (234, 41469), (250, 41514), (256, 41550), (271, 41598), (293, 41685),

Gene: Coleslaw_27 Start: 23861, Stop: 25192, Start Num: 42
Candidate Starts for Coleslaw_27:
(Start: 42 @23861 has 14 MA's), (Start: 48 @23876 has 59 MA's), (Start: 56 @23897 has 81 MA's), (67, 24017), (69, 24059), (Start: 74 @24110 has 3 MA's), (89, 24236), (116, 24359), (150, 24509), (210, 24776), (247, 24938), (270, 25025), (296, 25121), (308, 25184),

Gene: Coletti_48 Start: 40434, Stop: 41741, Start Num: 49
Candidate Starts for Coletti_48:
(Start: 35 @40386 has 29 MA's), (38, 40395), (Start: 45 @40425 has 158 MA's), (Start: 49 @40434 has 129 MA's), (Start: 55 @40446 has 12 MA's), (Start: 56 @40452 has 81 MA's), (67, 40572), (69, 40614), (Start: 74 @40665 has 3 MA's), (85, 40779), (89, 40791), (110, 40893), (141, 40980), (143, 40983), (156, 41067), (160, 41085), (179, 41160), (192, 41235), (214, 41343), (228, 41421), (229, 41430), (250, 41490), (256, 41526), (271, 41574), (293, 41661),

Gene: Colleen_24 Start: 22733, Stop: 24118, Start Num: 49
Candidate Starts for Colleen_24:
(30, 22610), (Start: 49 @22733 has 129 MA's), (53, 22742), (58, 22760), (79, 23012), (83, 23081), (84, 23087), (88, 23096), (95, 23135), (97, 23141), (108, 23192), (127, 23246), (139, 23285), (151, 23366), (158, 23384), (183, 23489), (193, 23561), (206, 23627), (259, 23861), (275, 23915), (304, 24038), (309, 24059), (310, 24095), (311, 24101),

Gene: Conley_9 Start: 3832, Stop: 5115, Start Num: 49
Candidate Starts for Conley_9:
(Start: 49 @3832 has 129 MA's), (Start: 56 @3850 has 81 MA's), (59, 3904), (69, 4030), (Start: 74 @4081 has 3 MA's), (103, 4294), (122, 4339), (164, 4522), (187, 4621), (193, 4675), (194, 4678), (216, 4801), (239, 4894), (281, 5047),

Gene: Cornbread_47 Start: 40125, Stop: 41414, Start Num: 56
Candidate Starts for Cornbread_47:
(Start: 35 @40059 has 29 MA's), (38, 40068), (Start: 45 @40098 has 158 MA's), (Start: 49 @40107 has 129 MA's), (Start: 55 @40119 has 12 MA's), (Start: 56 @40125 has 81 MA's), (67, 40245), (69, 40287), (Start: 74 @40338 has 3 MA's), (85, 40452), (89, 40464), (110, 40566), (141, 40653), (143, 40656), (156, 40740), (160, 40758), (179, 40833), (192, 40908), (214, 41016), (228, 41094), (229, 41103), (250, 41163), (256, 41199), (271, 41247), (293, 41334),

Gene: Cornobble_47 Start: 39966, Stop: 41255, Start Num: 56
Candidate Starts for Cornobble_47:
(Start: 35 @39900 has 29 MA's), (38, 39909), (Start: 45 @39939 has 158 MA's), (Start: 49 @39948 has 129 MA's), (Start: 55 @39960 has 12 MA's), (Start: 56 @39966 has 81 MA's), (67, 40086), (69, 40128), (Start: 74 @40179 has 3 MA's), (85, 40293), (89, 40305), (110, 40407), (141, 40494), (143, 40497), (156, 40581), (160, 40599), (179, 40674), (192, 40749), (214, 40857), (228, 40935), (229, 40944), (250, 41004), (256, 41040), (271, 41088), (293, 41175),

Gene: CosmicSans_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for CosmicSans_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Cosmolli16_47 Start: 40089, Stop: 41405, Start Num: 45
Candidate Starts for Cosmolli16_47:
(Start: 35 @40050 has 29 MA's), (38, 40059), (Start: 45 @40089 has 158 MA's), (Start: 49 @40098 has 129 MA's), (Start: 55 @40110 has 12 MA's), (67, 40236), (69, 40278), (Start: 74 @40329 has 3 MA's), (85, 40443), (89, 40455), (110, 40557), (141, 40644), (143, 40647), (156, 40731), (160, 40749), (179, 40824), (192, 40899), (214, 41007), (228, 41085), (229, 41094), (250, 41154), (256, 41190), (271, 41238), (293, 41325),

Gene: Craff_49 Start: 40478, Stop: 41833, Start Num: 35
Candidate Starts for Craff_49:
(Start: 35 @40478 has 29 MA's), (38, 40487), (Start: 45 @40517 has 158 MA's), (Start: 49 @40526 has 129 MA's), (Start: 55 @40538 has 12 MA's), (Start: 56 @40544 has 81 MA's), (67, 40664), (69, 40706), (Start: 74 @40757 has 3 MA's), (85, 40871), (89, 40883), (110, 40985), (141, 41072), (143, 41075), (156, 41159), (160, 41177), (179, 41252), (192, 41327), (214, 41435), (228, 41513), (229, 41522), (250, 41582), (256, 41618), (271, 41666), (293, 41753),

Gene: Crespo_27 Start: 23886, Stop: 25202, Start Num: 48
Candidate Starts for Crespo_27:
(Start: 42 @23871 has 14 MA's), (Start: 48 @23886 has 59 MA's), (Start: 56 @23907 has 81 MA's), (67, 24027), (69, 24069), (Start: 74 @24120 has 3 MA's), (89, 24246), (116, 24369), (150, 24519), (210, 24786), (247, 24948), (270, 25035), (296, 25131), (308, 25194),

Gene: Crocheter_12 Start: 5368, Stop: 6657, Start Num: 47
Candidate Starts for Crocheter_12:
(Start: 47 @5368 has 1 MA's), (Start: 49 @5371 has 129 MA's), (Start: 56 @5389 has 81 MA's), (Start: 74 @5620 has 3 MA's), (103, 5833), (105, 5836), (121, 5875), (164, 6061), (166, 6076), (177, 6118), (193, 6214), (226, 6391), (239, 6436), (243, 6454), (279, 6577), (281, 6589),

Gene: Crownjwl_48 Start: 40185, Stop: 41474, Start Num: 56
Candidate Starts for Crownjwl_48:
(Start: 35 @40119 has 29 MA's), (38, 40128), (Start: 45 @40158 has 158 MA's), (Start: 49 @40167 has 129 MA's), (Start: 55 @40179 has 12 MA's), (Start: 56 @40185 has 81 MA's), (67, 40305), (69, 40347), (Start: 74 @40398 has 3 MA's), (85, 40512), (89, 40524), (110, 40626), (141, 40713), (143, 40716), (156, 40800), (160, 40818), (179, 40893), (192, 40968), (205, 41031), (214, 41076), (228, 41154), (229, 41163), (250, 41223), (256, 41259), (271, 41307), (293, 41394),

Gene: DMoney_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for DMoney_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: DNAIII_0027 Start: 23636, Stop: 24952, Start Num: 48
Candidate Starts for DNAIII_0027:
(Start: 42 @23621 has 14 MA's), (Start: 48 @23636 has 59 MA's), (Start: 56 @23657 has 81 MA's), (67, 23777), (69, 23819), (Start: 74 @23870 has 3 MA's), (89, 23996), (116, 24119), (150, 24269), (210, 24536), (247, 24698), (270, 24785), (296, 24881), (308, 24944),

Gene: DaddyDaniels_48 Start: 40070, Stop: 41386, Start Num: 45
Candidate Starts for DaddyDaniels_48:
(Start: 35 @40031 has 29 MA's), (38, 40040), (Start: 45 @40070 has 158 MA's), (Start: 49 @40079 has 129 MA's), (Start: 55 @40091 has 12 MA's), (Start: 56 @40097 has 81 MA's), (67, 40217), (69, 40259), (Start: 74 @40310 has 3 MA's), (85, 40424), (89, 40436), (110, 40538), (141, 40625), (143,

40628), (156, 40712), (160, 40730), (179, 40805), (192, 40880), (214, 40988), (228, 41066), (229, 41075), (250, 41135), (256, 41171), (271, 41219), (293, 41306),

Gene: Daegal_33 Start: 27275, Stop: 28633, Start Num: 39
Candidate Starts for Daegal_33:
(Start: 39 @27275 has 13 MA's), (50, 27308), (Start: 63 @27425 has 10 MA's), (64, 27431), (76, 27566), (77, 27575), (87, 27668), (95, 27716), (115, 27785), (116, 27788), (119, 27800), (128, 27830), (146, 27902), (147, 27905), (156, 27962), (167, 28007), (169, 28013), (170, 28016), (181, 28064), (184, 28076), (212, 28226), (214, 28241), (221, 28298), (223, 28304), (229, 28337), (232, 28349), (240, 28370), (247, 28391), (251, 28403), (255, 28430), (257, 28436), (260, 28448), (269, 28466), (274, 28484), (282, 28505), (284, 28511), (293, 28547), (302, 28592), (307, 28622), (308, 28625),

Gene: Daffy_48 Start: 40122, Stop: 41411, Start Num: 56
Candidate Starts for Daffy_48:
(Start: 35 @40056 has 29 MA's), (38, 40065), (Start: 45 @40095 has 158 MA's), (Start: 49 @40104 has 129 MA's), (Start: 55 @40116 has 12 MA's), (Start: 56 @40122 has 81 MA's), (67, 40242), (69, 40284), (Start: 74 @40335 has 3 MA's), (85, 40449), (89, 40461), (110, 40563), (141, 40650), (143, 40653), (156, 40737), (157, 40740), (160, 40755), (179, 40830), (192, 40905), (214, 41013), (228, 41091), (229, 41100), (250, 41160), (256, 41196), (271, 41244), (293, 41331),

Gene: Daka_49 Start: 40401, Stop: 41690, Start Num: 56
Candidate Starts for Daka_49:
(Start: 35 @40335 has 29 MA's), (38, 40344), (Start: 45 @40374 has 158 MA's), (Start: 49 @40383 has 129 MA's), (Start: 55 @40395 has 12 MA's), (Start: 56 @40401 has 81 MA's), (67, 40521), (69, 40563), (Start: 74 @40614 has 3 MA's), (85, 40728), (89, 40740), (110, 40842), (141, 40929), (143, 40932), (156, 41016), (157, 41019), (160, 41034), (179, 41109), (192, 41184), (214, 41292), (228, 41370), (229, 41379), (250, 41439), (256, 41475), (271, 41523), (293, 41610),

Gene: Dancer_9 Start: 3508, Stop: 4791, Start Num: 49
Candidate Starts for Dancer_9:
(Start: 49 @3508 has 129 MA's), (Start: 56 @3526 has 81 MA's), (Start: 74 @3757 has 3 MA's), (103, 3970), (122, 4015), (144, 4093), (145, 4105), (164, 4198), (166, 4213), (187, 4297), (193, 4351), (200, 4396), (216, 4477), (239, 4570), (266, 4666), (281, 4723),

Gene: Darionha_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Darionha_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Dati_48 Start: 40098, Stop: 41414, Start Num: 45
Candidate Starts for Dati_48:
(Start: 35 @40059 has 29 MA's), (38, 40068), (Start: 45 @40098 has 158 MA's), (Start: 49 @40107 has 129 MA's), (Start: 55 @40119 has 12 MA's), (Start: 56 @40125 has 81 MA's), (67, 40245), (69, 40287), (Start: 74 @40338 has 3 MA's), (85, 40452), (89, 40464), (110, 40566), (141, 40653), (143, 40656), (156, 40740), (157, 40743), (160, 40758), (179, 40833), (192, 40908), (214, 41016), (228, 41094), (229, 41103), (234, 41118), (250, 41163), (256, 41199), (271, 41247), (293, 41334),

Gene: DeepSoil15_32 Start: 26981, Stop: 28339, Start Num: 39
Candidate Starts for DeepSoil15_32:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782),

(212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: DelRivs_47 Start: 40063, Stop: 41418, Start Num: 35
Candidate Starts for DelRivs_47:
(Start: 35 @40063 has 29 MA's), (38, 40072), (Start: 45 @40102 has 158 MA's), (Start: 49 @40111 has 129 MA's), (Start: 55 @40123 has 12 MA's), (Start: 56 @40129 has 81 MA's), (67, 40249), (69, 40291), (Start: 74 @40342 has 3 MA's), (85, 40456), (89, 40468), (110, 40570), (141, 40657), (143, 40660), (156, 40744), (160, 40762), (179, 40837), (192, 40912), (214, 41020), (228, 41098), (229, 41107), (250, 41167), (256, 41203), (271, 41251), (293, 41338),

Gene: Demure_10 Start: 4235, Stop: 5521, Start Num: 49
Candidate Starts for Demure_10:
(Start: 47 @4232 has 1 MA's), (Start: 49 @4235 has 129 MA's), (Start: 56 @4253 has 81 MA's), (Start: 74 @4484 has 3 MA's), (94, 4646), (103, 4697), (105, 4700), (164, 4925), (166, 4940), (177, 4982), (193, 5078), (226, 5255), (239, 5300), (243, 5318), (289, 5492),

Gene: Denise_18 Start: 16581, Stop: 17858, Start Num: 51
Candidate Starts for Denise_18:
(28, 16434), (Start: 44 @16566 has 3 MA's), (Start: 51 @16581 has 5 MA's), (64, 16704), (77, 16848), (84, 16941), (85, 16947), (90, 16971), (99, 17022), (114, 17061), (150, 17211), (156, 17226), (161, 17247), (164, 17253), (165, 17256), (179, 17319), (196, 17418), (197, 17421), (199, 17439), (210, 17478), (214, 17496), (241, 17622), (244, 17631), (254, 17670), (263, 17697),

Gene: Derpp_47 Start: 39901, Stop: 41256, Start Num: 35
Candidate Starts for Derpp_47:
(Start: 35 @39901 has 29 MA's), (38, 39910), (Start: 45 @39940 has 158 MA's), (Start: 49 @39949 has 129 MA's), (Start: 55 @39961 has 12 MA's), (Start: 56 @39967 has 81 MA's), (67, 40087), (69, 40129), (Start: 74 @40180 has 3 MA's), (85, 40294), (89, 40306), (110, 40408), (141, 40495), (143, 40498), (156, 40582), (160, 40600), (179, 40675), (192, 40750), (214, 40858), (228, 40936), (229, 40945), (250, 41005), (256, 41041), (271, 41089), (293, 41176),

Gene: Dewey_31 Start: 27131, Stop: 28339, Start Num: 63
Candidate Starts for Dewey_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Dice_47 Start: 40066, Stop: 41382, Start Num: 45
Candidate Starts for Dice_47:
(Start: 35 @40027 has 29 MA's), (38, 40036), (Start: 45 @40066 has 158 MA's), (Start: 49 @40075 has 129 MA's), (Start: 55 @40087 has 12 MA's), (Start: 56 @40093 has 81 MA's), (67, 40213), (69, 40255), (Start: 74 @40306 has 3 MA's), (85, 40420), (89, 40432), (110, 40534), (141, 40621), (143, 40624), (156, 40708), (160, 40726), (179, 40801), (192, 40876), (214, 40984), (228, 41062), (229, 41071), (250, 41131), (256, 41167), (271, 41215), (293, 41302),

Gene: Dina_21 Start: 19817, Stop: 21049, Start Num: 49
Candidate Starts for Dina_21:

(Start: 49 @19817 has 129 MA's), (54, 19826), (Start: 56 @19832 has 81 MA's), (77, 20063), (78, 20069), (79, 20081), (96, 20210), (103, 20258), (178, 20522), (185, 20546), (188, 20579), (213, 20705), (218, 20756), (231, 20819),

Gene: DingDing_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for DingDing_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Dinger_7 Start: 1788, Stop: 3119, Start Num: 49
Candidate Starts for Dinger_7:
(20, 1566), (23, 1599), (33, 1713), (Start: 49 @1788 has 129 MA's), (Start: 74 @2022 has 3 MA's), (102, 2214), (134, 2316), (139, 2334), (149, 2388), (153, 2424), (174, 2499), (198, 2637), (211, 2691), (213, 2700), (220, 2760), (225, 2775), (230, 2805), (235, 2820), (256, 2892), (258, 2901), (274, 2946), (277, 2958), (280, 2967), (302, 3072),

Gene: Dingo_48 Start: 40365, Stop: 41681, Start Num: 45
Candidate Starts for Dingo_48:
(Start: 35 @40326 has 29 MA's), (38, 40335), (Start: 45 @40365 has 158 MA's), (Start: 49 @40374 has 129 MA's), (Start: 55 @40386 has 12 MA's), (Start: 56 @40392 has 81 MA's), (67, 40512), (69, 40554), (Start: 74 @40605 has 3 MA's), (85, 40719), (89, 40731), (110, 40833), (141, 40920), (143, 40923), (156, 41007), (160, 41025), (179, 41100), (192, 41175), (205, 41238), (214, 41283), (228, 41361), (229, 41370), (250, 41430), (256, 41466), (271, 41514), (293, 41601),

Gene: Dione_47 Start: 40074, Stop: 41390, Start Num: 45
Candidate Starts for Dione_47:
(Start: 35 @40035 has 29 MA's), (38, 40044), (Start: 45 @40074 has 158 MA's), (Start: 49 @40083 has 129 MA's), (Start: 55 @40095 has 12 MA's), (Start: 56 @40101 has 81 MA's), (67, 40221), (69, 40263), (Start: 74 @40314 has 3 MA's), (85, 40428), (89, 40440), (110, 40542), (141, 40629), (143, 40632), (156, 40716), (160, 40734), (179, 40809), (192, 40884), (214, 40992), (228, 41070), (229, 41079), (250, 41139), (256, 41175), (271, 41223), (293, 41310),

Gene: DirtJuice_48 Start: 40364, Stop: 41680, Start Num: 45
Candidate Starts for DirtJuice_48:
(Start: 35 @40325 has 29 MA's), (38, 40334), (Start: 45 @40364 has 158 MA's), (Start: 49 @40373 has 129 MA's), (Start: 55 @40385 has 12 MA's), (67, 40511), (69, 40553), (Start: 74 @40604 has 3 MA's), (81, 40673), (89, 40730), (110, 40832), (141, 40919), (143, 40922), (156, 41006), (160, 41024), (179, 41099), (192, 41174), (214, 41282), (228, 41360), (229, 41369), (234, 41384), (250, 41429), (256, 41465), (271, 41513), (293, 41600),

Gene: Doddsville_48 Start: 40103, Stop: 41410, Start Num: 49
Candidate Starts for Doddsville_48:
(Start: 35 @40055 has 29 MA's), (38, 40064), (Start: 45 @40094 has 158 MA's), (Start: 49 @40103 has 129 MA's), (Start: 55 @40115 has 12 MA's), (Start: 56 @40121 has 81 MA's), (67, 40241), (69, 40283), (Start: 74 @40334 has 3 MA's), (85, 40448), (89, 40460), (110, 40562), (141, 40649), (143, 40652), (156, 40736), (160, 40754), (179, 40829), (192, 40904), (214, 41012), (228, 41090), (229, 41099), (250, 41159), (256, 41195), (271, 41243), (293, 41330),

Gene: DoesntMatter_47 Start: 40367, Stop: 41683, Start Num: 45
Candidate Starts for DoesntMatter_47:
(Start: 35 @40328 has 29 MA's), (38, 40337), (Start: 45 @40367 has 158 MA's), (Start: 49 @40376 has 129 MA's), (Start: 55 @40388 has 12 MA's), (Start: 56 @40394 has 81 MA's), (67, 40514), (69,

40556), (Start: 74 @40607 has 3 MA's), (85, 40721), (89, 40733), (110, 40835), (141, 40922), (143, 40925), (156, 41009), (160, 41027), (179, 41102), (192, 41177), (214, 41285), (228, 41363), (229, 41372), (250, 41432), (256, 41468), (271, 41516), (293, 41603),

Gene: DolOn_51 Start: 40769, Stop: 42058, Start Num: 56
Candidate Starts for DolOn_51:
(Start: 35 @40703 has 29 MA's), (38, 40712), (Start: 45 @40742 has 158 MA's), (Start: 49 @40751 has 129 MA's), (Start: 55 @40763 has 12 MA's), (Start: 56 @40769 has 81 MA's), (67, 40889), (69, 40931), (Start: 74 @40982 has 3 MA's), (85, 41096), (89, 41108), (110, 41210), (141, 41297), (143, 41300), (156, 41384), (160, 41402), (179, 41477), (192, 41552), (214, 41660), (228, 41738), (229, 41747), (250, 41807), (256, 41843), (271, 41891), (293, 41978),

Gene: DonSanchon_47 Start: 40086, Stop: 41393, Start Num: 49
Candidate Starts for DonSanchon_47:
(Start: 35 @40038 has 29 MA's), (38, 40047), (Start: 45 @40077 has 158 MA's), (Start: 49 @40086 has 129 MA's), (Start: 55 @40098 has 12 MA's), (67, 40224), (69, 40266), (Start: 74 @40317 has 3 MA's), (85, 40431), (89, 40443), (110, 40545), (141, 40632), (143, 40635), (156, 40719), (160, 40737), (179, 40812), (192, 40887), (214, 40995), (228, 41073), (229, 41082), (250, 41142), (256, 41178), (271, 41226), (293, 41313),

Gene: DuchessDung_47 Start: 39393, Stop: 40682, Start Num: 56
Candidate Starts for DuchessDung_47:
(Start: 35 @39327 has 29 MA's), (38, 39336), (Start: 45 @39366 has 158 MA's), (Start: 49 @39375 has 129 MA's), (Start: 55 @39387 has 12 MA's), (Start: 56 @39393 has 81 MA's), (67, 39513), (69, 39555), (Start: 74 @39606 has 3 MA's), (85, 39720), (89, 39732), (110, 39834), (141, 39921), (143, 39924), (156, 40008), (160, 40026), (179, 40101), (192, 40176), (214, 40284), (228, 40362), (229, 40371), (250, 40431), (256, 40467), (271, 40515), (293, 40602),

Gene: Duffington_13 Start: 6628, Stop: 7914, Start Num: 49
Candidate Starts for Duffington_13:
(Start: 49 @6628 has 129 MA's), (Start: 56 @6646 has 81 MA's), (59, 6700), (67, 6784), (69, 6826), (Start: 74 @6877 has 3 MA's), (85, 6991), (94, 7039), (103, 7090), (159, 7303), (164, 7318), (193, 7471), (226, 7648), (239, 7693), (243, 7711), (279, 7834), (281, 7846),

Gene: Duggie_47 Start: 40057, Stop: 41412, Start Num: 35
Candidate Starts for Duggie_47:
(Start: 35 @40057 has 29 MA's), (38, 40066), (Start: 45 @40096 has 158 MA's), (Start: 49 @40105 has 129 MA's), (Start: 55 @40117 has 12 MA's), (Start: 56 @40123 has 81 MA's), (67, 40243), (69, 40285), (Start: 74 @40336 has 3 MA's), (85, 40450), (89, 40462), (110, 40564), (141, 40651), (143, 40654), (156, 40738), (160, 40756), (179, 40831), (192, 40906), (214, 41014), (228, 41092), (229, 41101), (250, 41161), (256, 41197), (271, 41245), (293, 41332),

Gene: Durga_49 Start: 40559, Stop: 41848, Start Num: 56
Candidate Starts for Durga_49:
(Start: 35 @40493 has 29 MA's), (38, 40502), (Start: 45 @40532 has 158 MA's), (Start: 49 @40541 has 129 MA's), (Start: 55 @40553 has 12 MA's), (Start: 56 @40559 has 81 MA's), (67, 40679), (69, 40721), (Start: 74 @40772 has 3 MA's), (85, 40886), (89, 40898), (110, 41000), (141, 41087), (143, 41090), (156, 41174), (160, 41192), (179, 41267), (192, 41342), (214, 41450), (228, 41528), (229, 41537), (250, 41597), (256, 41633), (271, 41681), (293, 41768),

Gene: ECartman_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for ECartman_27:

(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Eddiemania_12 Start: 5836, Stop: 7122, Start Num: 49
Candidate Starts for Eddiemania_12:
(Start: 49 @5836 has 129 MA's), (Start: 56 @5854 has 81 MA's), (59, 5908), (Start: 74 @6085 has 3 MA's), (85, 6199), (94, 6247), (101, 6280), (103, 6298), (121, 6340), (164, 6526), (166, 6541), (177, 6583), (187, 6625), (193, 6679), (194, 6682), (226, 6856), (239, 6901), (243, 6919), (279, 7042), (281, 7054),

Gene: Ein37_32 Start: 26981, Stop: 28339, Start Num: 39
Candidate Starts for Ein37_32:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: ElvisPhasley_49 Start: 40554, Stop: 41870, Start Num: 45
Candidate Starts for ElvisPhasley_49:
(Start: 35 @40515 has 29 MA's), (38, 40524), (Start: 45 @40554 has 158 MA's), (Start: 49 @40563 has 129 MA's), (Start: 55 @40575 has 12 MA's), (Start: 56 @40581 has 81 MA's), (67, 40701), (69, 40743), (Start: 74 @40794 has 3 MA's), (85, 40908), (89, 40920), (110, 41022), (141, 41109), (143, 41112), (156, 41196), (160, 41214), (179, 41289), (192, 41364), (214, 41472), (228, 41550), (229, 41559), (250, 41619), (256, 41655), (271, 41703), (293, 41790),

Gene: EmGer13_48 Start: 39938, Stop: 41266, Start Num: 45
Candidate Starts for EmGer13_48:
(Start: 35 @39899 has 29 MA's), (38, 39908), (Start: 45 @39938 has 158 MA's), (Start: 49 @39947 has 129 MA's), (Start: 55 @39959 has 12 MA's), (67, 40085), (69, 40127), (Start: 74 @40178 has 3 MA's), (81, 40247), (89, 40304), (110, 40418), (141, 40505), (143, 40508), (156, 40592), (157, 40595), (160, 40610), (179, 40685), (192, 40760), (214, 40868), (228, 40946), (229, 40955), (234, 40970), (250, 41015), (256, 41051), (271, 41099), (293, 41186),

Gene: Emiris_49 Start: 40500, Stop: 41816, Start Num: 45
Candidate Starts for Emiris_49:
(Start: 35 @40461 has 29 MA's), (38, 40470), (Start: 45 @40500 has 158 MA's), (Start: 49 @40509 has 129 MA's), (Start: 55 @40521 has 12 MA's), (Start: 56 @40527 has 81 MA's), (67, 40647), (69, 40689), (Start: 74 @40740 has 3 MA's), (85, 40854), (89, 40866), (110, 40968), (141, 41055), (143, 41058), (156, 41142), (160, 41160), (179, 41235), (192, 41310), (214, 41418), (228, 41496), (229, 41505), (250, 41565), (256, 41601), (271, 41649), (293, 41736),

Gene: EmpTee_48 Start: 40341, Stop: 41696, Start Num: 35
Candidate Starts for EmpTee_48:
(Start: 35 @40341 has 29 MA's), (38, 40350), (Start: 45 @40380 has 158 MA's), (Start: 49 @40389 has 129 MA's), (Start: 55 @40401 has 12 MA's), (Start: 56 @40407 has 81 MA's), (67, 40527), (69, 40569), (Start: 74 @40620 has 3 MA's), (85, 40734), (89, 40746), (110, 40848), (141, 40935), (143, 40938), (156, 41022), (160, 41040), (179, 41115), (192, 41190), (205, 41253), (214, 41298), (228, 41376), (229, 41385), (250, 41445), (256, 41481), (271, 41529), (293, 41616),

Gene: EndAve_13 Start: 6643, Stop: 7929, Start Num: 49

Candidate Starts for EndAve_13:
(Start: 49 @6643 has 129 MA's), (Start: 56 @6661 has 81 MA's), (59, 6715), (67, 6799), (69, 6841), (Start: 74 @6892 has 3 MA's), (85, 7006), (94, 7054), (103, 7105), (159, 7318), (164, 7333), (193, 7486), (226, 7663), (239, 7708), (243, 7726), (279, 7849), (281, 7861),

Gene: Eremos_48 Start: 40373, Stop: 41689, Start Num: 45
Candidate Starts for Eremos_48:
(Start: 35 @40334 has 29 MA's), (38, 40343), (Start: 45 @40373 has 158 MA's), (Start: 49 @40382 has 129 MA's), (Start: 55 @40394 has 12 MA's), (Start: 56 @40400 has 81 MA's), (67, 40520), (69, 40562), (Start: 74 @40613 has 3 MA's), (85, 40727), (89, 40739), (110, 40841), (141, 40928), (143, 40931), (156, 41015), (160, 41033), (179, 41108), (192, 41183), (214, 41291), (228, 41369), (229, 41378), (234, 41393), (250, 41438), (256, 41474), (271, 41522), (293, 41609),

Gene: Erik_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Erik_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Espica_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Espica_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Etaye_48 Start: 40367, Stop: 41683, Start Num: 45
Candidate Starts for Etaye_48:
(Start: 35 @40328 has 29 MA's), (38, 40337), (Start: 45 @40367 has 158 MA's), (Start: 49 @40376 has 129 MA's), (Start: 55 @40388 has 12 MA's), (Start: 56 @40394 has 81 MA's), (67, 40514), (69, 40556), (Start: 74 @40607 has 3 MA's), (85, 40721), (89, 40733), (110, 40835), (141, 40922), (143, 40925), (156, 41009), (157, 41012), (160, 41027), (179, 41102), (192, 41177), (214, 41285), (228, 41363), (229, 41372), (234, 41387), (250, 41432), (256, 41468), (271, 41516), (293, 41603),

Gene: Eugenia_48 Start: 40404, Stop: 41693, Start Num: 56
Candidate Starts for Eugenia_48:
(Start: 35 @40338 has 29 MA's), (38, 40347), (Start: 45 @40377 has 158 MA's), (Start: 49 @40386 has 129 MA's), (Start: 55 @40398 has 12 MA's), (Start: 56 @40404 has 81 MA's), (67, 40524), (69, 40566), (Start: 74 @40617 has 3 MA's), (85, 40731), (89, 40743), (110, 40845), (141, 40932), (143, 40935), (156, 41019), (160, 41037), (179, 41112), (192, 41187), (214, 41295), (228, 41373), (229, 41382), (250, 41442), (256, 41478), (271, 41526), (293, 41613),

Gene: Evanesce_31 Start: 26981, Stop: 28339, Start Num: 39
Candidate Starts for Evanesce_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Faiyaz_31 Start: 27779, Stop: 29089, Start Num: 51
Candidate Starts for Faiyaz_31:

(19, 27539), (Start: 51 @27779 has 5 MA's), (67, 27917), (69, 27959), (Start: 74 @28010 has 3 MA's), (89, 28136), (114, 28238), (119, 28256), (121, 28262), (124, 28271), (146, 28361), (167, 28469), (173, 28490), (184, 28538), (186, 28553), (190, 28580), (203, 28649), (205, 28658), (223, 28766), (227, 28787), (229, 28799), (232, 28808), (247, 28847), (248, 28850), (260, 28901), (266, 28916), (283, 28961), (284, 28964), (293, 29000), (304, 29069), (308, 29081),

Gene: Fang_49 Start: 40525, Stop: 41841, Start Num: 45
Candidate Starts for Fang_49:
(Start: 35 @40486 has 29 MA's), (38, 40495), (Start: 45 @40525 has 158 MA's), (Start: 49 @40534 has 129 MA's), (Start: 55 @40546 has 12 MA's), (Start: 56 @40552 has 81 MA's), (67, 40672), (69, 40714), (Start: 74 @40765 has 3 MA's), (85, 40879), (89, 40891), (110, 40993), (141, 41080), (143, 41083), (156, 41167), (160, 41185), (179, 41260), (192, 41335), (214, 41443), (228, 41521), (229, 41530), (250, 41590), (256, 41626), (271, 41674), (293, 41761),

Gene: Fazel_10 Start: 5376, Stop: 6665, Start Num: 49
Candidate Starts for Fazel_10:
(Start: 46 @5370 has 1 MA's), (Start: 49 @5376 has 129 MA's), (Start: 56 @5394 has 81 MA's), (Start: 74 @5625 has 3 MA's), (103, 5838), (121, 5880), (129, 5907), (169, 6090), (177, 6123), (193, 6219), (207, 6285), (239, 6444), (249, 6477), (257, 6519), (266, 6540),

Gene: Figliar_13 Start: 6653, Stop: 7939, Start Num: 49
Candidate Starts for Figliar_13:
(Start: 49 @6653 has 129 MA's), (Start: 56 @6671 has 81 MA's), (59, 6725), (67, 6809), (Start: 74 @6902 has 3 MA's), (85, 7016), (94, 7064), (103, 7115), (119, 7151), (121, 7157), (164, 7343), (166, 7358), (193, 7496), (226, 7673), (239, 7718), (243, 7736), (279, 7859), (281, 7871),

Gene: Flake_48 Start: 40453, Stop: 41748, Start Num: 55
Candidate Starts for Flake_48:
(Start: 35 @40393 has 29 MA's), (38, 40402), (Start: 45 @40432 has 158 MA's), (Start: 49 @40441 has 129 MA's), (Start: 55 @40453 has 12 MA's), (Start: 56 @40459 has 81 MA's), (67, 40579), (69, 40621), (Start: 74 @40672 has 3 MA's), (85, 40786), (89, 40798), (110, 40900), (141, 40987), (143, 40990), (156, 41074), (160, 41092), (179, 41167), (192, 41242), (214, 41350), (228, 41428), (229, 41437), (250, 41497), (256, 41533), (271, 41581), (293, 41668),

Gene: FleetyMac_48 Start: 40394, Stop: 41701, Start Num: 49
Candidate Starts for FleetyMac_48:
(Start: 35 @40346 has 29 MA's), (38, 40355), (Start: 45 @40385 has 158 MA's), (Start: 49 @40394 has 129 MA's), (Start: 55 @40406 has 12 MA's), (Start: 56 @40412 has 81 MA's), (67, 40532), (69, 40574), (Start: 74 @40625 has 3 MA's), (85, 40739), (89, 40751), (110, 40853), (141, 40940), (143, 40943), (156, 41027), (160, 41045), (179, 41120), (192, 41195), (214, 41303), (228, 41381), (229, 41390), (250, 41450), (256, 41486), (271, 41534), (293, 41621),

Gene: FluffyNinja_49 Start: 40545, Stop: 41834, Start Num: 56
Candidate Starts for FluffyNinja_49:
(Start: 35 @40479 has 29 MA's), (38, 40488), (Start: 45 @40518 has 158 MA's), (Start: 49 @40527 has 129 MA's), (Start: 55 @40539 has 12 MA's), (Start: 56 @40545 has 81 MA's), (67, 40665), (69, 40707), (Start: 74 @40758 has 3 MA's), (85, 40872), (89, 40884), (110, 40986), (141, 41073), (143, 41076), (156, 41160), (160, 41178), (179, 41253), (192, 41328), (214, 41436), (228, 41514), (229, 41523), (250, 41583), (256, 41619), (271, 41667), (293, 41754),

Gene: Football_9 Start: 3520, Stop: 4803, Start Num: 49
Candidate Starts for Football_9:

(Start: 49 @3520 has 129 MA's), (Start: 56 @3538 has 81 MA's), (Start: 74 @3769 has 3 MA's), (103, 3982), (122, 4027), (144, 4105), (145, 4117), (166, 4225), (187, 4309), (193, 4363), (200, 4408), (216, 4489), (239, 4582), (266, 4678), (281, 4735),

Gene: ForeverHowLong_27 Start: 23880, Stop: 25196, Start Num: 48
Candidate Starts for ForeverHowLong_27:
(Start: 42 @23865 has 14 MA's), (Start: 48 @23880 has 59 MA's), (Start: 56 @23901 has 81 MA's), (67, 24021), (69, 24063), (Start: 74 @24114 has 3 MA's), (89, 24240), (116, 24363), (150, 24513), (210, 24780), (247, 24942), (270, 25029), (296, 25125), (308, 25188),

Gene: Forge_31 Start: 27131, Stop: 28339, Start Num: 63
Candidate Starts for Forge_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: FortCran_9 Start: 3802, Stop: 5085, Start Num: 49
Candidate Starts for FortCran_9:
(Start: 49 @3802 has 129 MA's), (Start: 56 @3820 has 81 MA's), (Start: 74 @4051 has 3 MA's), (103, 4264), (122, 4309), (144, 4387), (145, 4399), (164, 4492), (166, 4507), (187, 4591), (193, 4645), (200, 4690), (216, 4771), (239, 4864), (266, 4960), (281, 5017),

Gene: Fozzie_47 Start: 40411, Stop: 41718, Start Num: 49
Candidate Starts for Fozzie_47:
(Start: 35 @40363 has 29 MA's), (38, 40372), (Start: 45 @40402 has 158 MA's), (Start: 49 @40411 has 129 MA's), (Start: 55 @40423 has 12 MA's), (Start: 56 @40429 has 81 MA's), (67, 40549), (69, 40591), (Start: 74 @40642 has 3 MA's), (85, 40756), (89, 40768), (110, 40870), (141, 40957), (143, 40960), (156, 41044), (160, 41062), (179, 41137), (192, 41212), (214, 41320), (228, 41398), (229, 41407), (250, 41467), (256, 41503), (271, 41551), (293, 41638),

Gene: Frankicide_48 Start: 40413, Stop: 41720, Start Num: 55
Candidate Starts for Frankicide_48:
(Start: 35 @40353 has 29 MA's), (38, 40362), (Start: 45 @40392 has 158 MA's), (Start: 49 @40401 has 129 MA's), (Start: 55 @40413 has 12 MA's), (67, 40539), (69, 40581), (Start: 74 @40632 has 3 MA's), (81, 40701), (89, 40758), (110, 40872), (141, 40959), (143, 40962), (156, 41046), (157, 41049), (160, 41064), (179, 41139), (192, 41214), (214, 41322), (228, 41400), (229, 41409), (234, 41424), (250, 41469), (256, 41505), (271, 41553), (293, 41640),

Gene: FremontTroll_47 Start: 40149, Stop: 41456, Start Num: 49
Candidate Starts for FremontTroll_47:
(Start: 35 @40101 has 29 MA's), (38, 40110), (Start: 45 @40140 has 158 MA's), (Start: 49 @40149 has 129 MA's), (Start: 55 @40161 has 12 MA's), (Start: 56 @40167 has 81 MA's), (67, 40287), (69, 40329), (Start: 74 @40380 has 3 MA's), (85, 40494), (89, 40506), (110, 40608), (141, 40695), (143, 40698), (156, 40782), (160, 40800), (179, 40875), (192, 40950), (205, 41013), (214, 41058), (228, 41136), (229, 41145), (250, 41205), (256, 41241), (271, 41289), (293, 41376),

Gene: Freya_47 Start: 40065, Stop: 41381, Start Num: 45
Candidate Starts for Freya_47:
(Start: 35 @40026 has 29 MA's), (38, 40035), (Start: 45 @40065 has 158 MA's), (Start: 49 @40074 has 129 MA's), (Start: 55 @40086 has 12 MA's), (Start: 56 @40092 has 81 MA's), (67, 40212), (69,

40254), (Start: 74 @40305 has 3 MA's), (85, 40419), (89, 40431), (110, 40533), (141, 40620), (143, 40623), (156, 40707), (160, 40725), (179, 40800), (192, 40875), (214, 40983), (228, 41061), (229, 41070), (250, 41130), (256, 41166), (271, 41214), (293, 41301),

Gene: FriarPreacher_47 Start: 40365, Stop: 41732, Start Num: 35
Candidate Starts for FriarPreacher_47:
(Start: 35 @40365 has 29 MA's), (38, 40374), (Start: 45 @40404 has 158 MA's), (Start: 49 @40413 has 129 MA's), (Start: 55 @40425 has 12 MA's), (Start: 56 @40431 has 81 MA's), (67, 40551), (69, 40593), (Start: 74 @40644 has 3 MA's), (81, 40713), (89, 40770), (110, 40884), (141, 40971), (143, 40974), (156, 41058), (157, 41061), (160, 41076), (179, 41151), (192, 41226), (214, 41334), (228, 41412), (229, 41421), (234, 41436), (250, 41481), (256, 41517), (271, 41565), (293, 41652),

Gene: Frickyeah_22 Start: 18680, Stop: 19957, Start Num: 51
Candidate Starts for Frickyeah_22:
(Start: 44 @18665 has 3 MA's), (Start: 51 @18680 has 5 MA's), (64, 18803), (77, 18947), (85, 19046), (90, 19070), (99, 19121), (114, 19160), (150, 19310), (156, 19325), (161, 19346), (164, 19352), (165, 19355), (179, 19418), (197, 19520), (199, 19538), (210, 19577), (214, 19595), (241, 19721), (244, 19730), (254, 19769), (263, 19796),

Gene: Fringe_49 Start: 40501, Stop: 41817, Start Num: 45
Candidate Starts for Fringe_49:
(Start: 35 @40462 has 29 MA's), (38, 40471), (Start: 45 @40501 has 158 MA's), (Start: 49 @40510 has 129 MA's), (Start: 55 @40522 has 12 MA's), (Start: 56 @40528 has 81 MA's), (67, 40648), (69, 40690), (Start: 74 @40741 has 3 MA's), (85, 40855), (89, 40867), (110, 40969), (141, 41056), (143, 41059), (156, 41143), (160, 41161), (179, 41236), (192, 41311), (214, 41419), (228, 41497), (229, 41506), (250, 41566), (256, 41602), (271, 41650), (293, 41737),

Gene: Frosty24_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Frosty24_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: FugateOSU_47 Start: 40106, Stop: 41395, Start Num: 56
Candidate Starts for FugateOSU_47:
(Start: 35 @40040 has 29 MA's), (38, 40049), (Start: 45 @40079 has 158 MA's), (Start: 49 @40088 has 129 MA's), (Start: 55 @40100 has 12 MA's), (Start: 56 @40106 has 81 MA's), (67, 40226), (69, 40268), (Start: 74 @40319 has 3 MA's), (85, 40433), (89, 40445), (110, 40547), (141, 40634), (143, 40637), (156, 40721), (160, 40739), (179, 40814), (192, 40889), (214, 40997), (228, 41075), (229, 41084), (250, 41144), (256, 41180), (271, 41228), (293, 41315),

Gene: Gallop_23 Start: 21825, Stop: 23264, Start Num: 49
Candidate Starts for Gallop_23:
(Start: 49 @21825 has 129 MA's), (Start: 55 @21834 has 12 MA's), (72, 22047), (79, 22089), (80, 22092), (93, 22218), (109, 22305), (120, 22341), (142, 22410), (171, 22560), (180, 22602), (182, 22611), (217, 22833), (246, 22968), (262, 23034), (286, 23127), (294, 23166), (295, 23169),

Gene: Gancho_31 Start: 26704, Stop: 28062, Start Num: 39
Candidate Starts for Gancho_31:
(Start: 39 @26704 has 13 MA's), (50, 26737), (Start: 63 @26854 has 10 MA's), (64, 26860), (67, 26884), (76, 26995), (77, 27004), (87, 27097), (95, 27145), (115, 27214), (116, 27217), (119, 27229), (146, 27331), (147, 27334), (156, 27391), (167, 27436), (169, 27442), (170, 27445), (181, 27493), (184, 27505), (211, 27649), (212, 27655), (214, 27670), (221, 27727), (223, 27733), (225, 27742),

(229, 27766), (232, 27778), (240, 27799), (247, 27820), (251, 27832), (255, 27859), (257, 27865), (260, 27877), (269, 27895), (274, 27913), (282, 27934), (284, 27940), (293, 27976), (302, 28021), (307, 28051), (308, 28054),

Gene: Gareth_47 Start: 40034, Stop: 41389, Start Num: 35
Candidate Starts for Gareth_47:
(Start: 35 @40034 has 29 MA's), (38, 40043), (Start: 45 @40073 has 158 MA's), (Start: 49 @40082 has 129 MA's), (Start: 55 @40094 has 12 MA's), (Start: 56 @40100 has 81 MA's), (67, 40220), (69, 40262), (Start: 74 @40313 has 3 MA's), (85, 40427), (89, 40439), (110, 40541), (141, 40628), (143, 40631), (156, 40715), (160, 40733), (179, 40808), (192, 40883), (214, 40991), (228, 41069), (229, 41078), (250, 41138), (256, 41174), (271, 41222), (293, 41309),

Gene: GeneCoco_48 Start: 40415, Stop: 41704, Start Num: 56
Candidate Starts for GeneCoco_48:
(Start: 35 @40349 has 29 MA's), (38, 40358), (Start: 45 @40388 has 158 MA's), (Start: 49 @40397 has 129 MA's), (Start: 55 @40409 has 12 MA's), (Start: 56 @40415 has 81 MA's), (67, 40535), (69, 40577), (Start: 74 @40628 has 3 MA's), (85, 40742), (89, 40754), (110, 40856), (141, 40943), (143, 40946), (156, 41030), (160, 41048), (179, 41123), (192, 41198), (214, 41306), (228, 41384), (229, 41393), (250, 41453), (256, 41489), (271, 41537), (293, 41624),

Gene: Gideon_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Gideon_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Giles_31 Start: 27131, Stop: 28339, Start Num: 63
Candidate Starts for Giles_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Gill_9 Start: 3518, Stop: 4801, Start Num: 49
Candidate Starts for Gill_9:
(Start: 49 @3518 has 129 MA's), (69, 3716), (Start: 74 @3767 has 3 MA's), (103, 3980), (122, 4025), (164, 4208), (187, 4307), (193, 4361), (216, 4487), (239, 4580), (266, 4676), (281, 4733),

Gene: Giraffe_48 Start: 40082, Stop: 41413, Start Num: 45
Candidate Starts for Giraffe_48:
(Start: 35 @40043 has 29 MA's), (38, 40052), (Start: 45 @40082 has 158 MA's), (Start: 49 @40091 has 129 MA's), (Start: 55 @40103 has 12 MA's), (67, 40229), (69, 40271), (Start: 74 @40322 has 3 MA's), (81, 40391), (89, 40448), (110, 40562), (112, 40565), (141, 40652), (143, 40655), (156, 40739), (157, 40742), (160, 40757), (179, 40832), (192, 40907), (214, 41015), (228, 41093), (229, 41102), (250, 41162), (256, 41198), (271, 41246), (293, 41333),

Gene: GoldenAsh_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for GoldenAsh_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Gollum_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Gollum_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Gomashi_27 Start: 23886, Stop: 25202, Start Num: 48
Candidate Starts for Gomashi_27:
(Start: 42 @23871 has 14 MA's), (Start: 48 @23886 has 59 MA's), (Start: 56 @23907 has 81 MA's), (67, 24027), (69, 24069), (Start: 74 @24120 has 3 MA's), (89, 24246), (116, 24369), (150, 24519), (210, 24786), (247, 24948), (270, 25035), (296, 25131), (308, 25194),

Gene: Gophee_48 Start: 40380, Stop: 41687, Start Num: 49
Candidate Starts for Gophee_48:
(Start: 35 @40332 has 29 MA's), (38, 40341), (Start: 45 @40371 has 158 MA's), (Start: 49 @40380 has 129 MA's), (Start: 55 @40392 has 12 MA's), (Start: 56 @40398 has 81 MA's), (67, 40518), (69, 40560), (Start: 74 @40611 has 3 MA's), (85, 40725), (89, 40737), (110, 40839), (141, 40926), (143, 40929), (156, 41013), (160, 41031), (179, 41106), (192, 41181), (214, 41289), (228, 41367), (229, 41376), (250, 41436), (256, 41472), (271, 41520), (293, 41607),

Gene: Grand2040_47 Start: 40091, Stop: 41407, Start Num: 45
Candidate Starts for Grand2040_47:
(Start: 35 @40052 has 29 MA's), (38, 40061), (Start: 45 @40091 has 158 MA's), (Start: 49 @40100 has 129 MA's), (Start: 55 @40112 has 12 MA's), (Start: 56 @40118 has 81 MA's), (67, 40238), (69, 40280), (Start: 74 @40331 has 3 MA's), (85, 40445), (89, 40457), (110, 40559), (141, 40646), (143, 40649), (156, 40733), (160, 40751), (179, 40826), (192, 40901), (214, 41009), (228, 41087), (229, 41096), (250, 41156), (256, 41192), (271, 41240), (293, 41327),

Gene: Gravaillia_31 Start: 26860, Stop: 28068, Start Num: 63
Candidate Starts for Gravaillia_31:
(Start: 39 @26710 has 13 MA's), (50, 26743), (Start: 63 @26860 has 10 MA's), (64, 26866), (67, 26890), (76, 27001), (77, 27010), (87, 27103), (95, 27151), (98, 27160), (115, 27220), (116, 27223), (146, 27337), (147, 27340), (156, 27397), (167, 27442), (169, 27448), (170, 27451), (181, 27499), (184, 27511), (212, 27661), (214, 27676), (221, 27733), (223, 27739), (229, 27772), (232, 27784), (240, 27805), (247, 27826), (251, 27838), (255, 27865), (257, 27871), (260, 27883), (269, 27901), (274, 27919), (282, 27940), (284, 27946), (293, 27982), (302, 28027), (307, 28057), (308, 28060),

Gene: Gravy_9 Start: 3518, Stop: 4801, Start Num: 49
Candidate Starts for Gravy_9:
(Start: 49 @3518 has 129 MA's), (69, 3716), (Start: 74 @3767 has 3 MA's), (103, 3980), (122, 4025), (164, 4208), (187, 4307), (193, 4361), (216, 4487), (239, 4580), (266, 4676), (281, 4733),

Gene: GreenChile_49 Start: 40403, Stop: 41692, Start Num: 56
Candidate Starts for GreenChile_49:
(Start: 35 @40337 has 29 MA's), (38, 40346), (Start: 45 @40376 has 158 MA's), (Start: 49 @40385 has 129 MA's), (Start: 55 @40397 has 12 MA's), (Start: 56 @40403 has 81 MA's), (67, 40523), (69, 40565), (Start: 74 @40616 has 3 MA's), (85, 40730), (89, 40742), (110, 40844), (141, 40931), (143, 40934), (156, 41018), (160, 41036), (179, 41111), (192, 41186), (205, 41249), (214, 41294), (228, 41372), (229, 41381), (250, 41441), (256, 41477), (271, 41525), (293, 41612),

Gene: Grizzly_27 Start: 23889, Stop: 25205, Start Num: 48
Candidate Starts for Grizzly_27:

(Start: 42 @23874 has 14 MA's), (Start: 48 @23889 has 59 MA's), (Start: 56 @23910 has 81 MA's), (67, 24030), (69, 24072), (Start: 74 @24123 has 3 MA's), (89, 24249), (116, 24372), (150, 24522), (210, 24789), (247, 24951), (270, 25038), (296, 25134), (308, 25197),

Gene: Gusicorn_13 Start: 6443, Stop: 7729, Start Num: 49
Candidate Starts for Gusicorn_13:
(Start: 47 @6440 has 1 MA's), (Start: 49 @6443 has 129 MA's), (Start: 56 @6461 has 81 MA's), (59, 6515), (Start: 74 @6692 has 3 MA's), (103, 6905), (119, 6941), (121, 6947), (129, 6974), (155, 7106), (164, 7133), (166, 7148), (169, 7157), (177, 7190), (193, 7286), (226, 7463), (239, 7508), (243, 7526), (295, 7718),

Gene: Gwennie1_48 Start: 40437, Stop: 41753, Start Num: 45
Candidate Starts for Gwennie1_48:
(Start: 35 @40398 has 29 MA's), (38, 40407), (Start: 45 @40437 has 158 MA's), (Start: 49 @40446 has 129 MA's), (Start: 55 @40458 has 12 MA's), (Start: 56 @40464 has 81 MA's), (67, 40584), (69, 40626), (Start: 74 @40677 has 3 MA's), (85, 40791), (89, 40803), (110, 40905), (141, 40992), (143, 40995), (156, 41079), (160, 41097), (179, 41172), (192, 41247), (205, 41310), (214, 41355), (228, 41433), (229, 41442), (250, 41502), (256, 41538), (271, 41586), (293, 41673),

Gene: Gwilliam_48 Start: 40404, Stop: 41693, Start Num: 56
Candidate Starts for Gwilliam_48:
(Start: 35 @40338 has 29 MA's), (38, 40347), (Start: 45 @40377 has 158 MA's), (Start: 49 @40386 has 129 MA's), (Start: 55 @40398 has 12 MA's), (Start: 56 @40404 has 81 MA's), (67, 40524), (69, 40566), (Start: 74 @40617 has 3 MA's), (85, 40731), (89, 40743), (110, 40845), (141, 40932), (143, 40935), (156, 41019), (157, 41022), (160, 41037), (179, 41112), (192, 41187), (214, 41295), (228, 41373), (229, 41382), (250, 41442), (256, 41478), (271, 41526), (293, 41613),

Gene: Gyarad_0048 Start: 40379, Stop: 41707, Start Num: 45
Candidate Starts for Gyarad_0048:
(Start: 35 @40340 has 29 MA's), (38, 40349), (Start: 45 @40379 has 158 MA's), (Start: 49 @40388 has 129 MA's), (Start: 55 @40400 has 12 MA's), (67, 40526), (69, 40568), (Start: 74 @40619 has 3 MA's), (81, 40688), (89, 40745), (110, 40859), (141, 40946), (143, 40949), (156, 41033), (157, 41036), (160, 41051), (179, 41126), (192, 41201), (214, 41309), (228, 41387), (229, 41396), (234, 41411), (250, 41456), (256, 41492), (271, 41540), (293, 41627),

Gene: HH92_31 Start: 26981, Stop: 28339, Start Num: 39
Candidate Starts for HH92_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: HSavage_48 Start: 40383, Stop: 41699, Start Num: 45
Candidate Starts for HSavage_48:
(Start: 35 @40344 has 29 MA's), (38, 40353), (Start: 45 @40383 has 158 MA's), (Start: 49 @40392 has 129 MA's), (Start: 55 @40404 has 12 MA's), (Start: 56 @40410 has 81 MA's), (67, 40530), (69, 40572), (Start: 74 @40623 has 3 MA's), (85, 40737), (89, 40749), (110, 40851), (141, 40938), (143, 40941), (156, 41025), (160, 41043), (179, 41118), (192, 41193), (205, 41256), (214, 41301), (228, 41379), (229, 41388), (250, 41448), (256, 41484), (271, 41532), (293, 41619),

Gene: Hadrien_32 Start: 27131, Stop: 28339, Start Num: 63

Candidate Starts for Hadrien_32:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Hail_31 Start: 27131, Stop: 28339, Start Num: 63
Candidate Starts for Hail_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Haimas_48 Start: 40404, Stop: 41693, Start Num: 56
Candidate Starts for Haimas_48:
(Start: 35 @40338 has 29 MA's), (38, 40347), (Start: 45 @40377 has 158 MA's), (Start: 49 @40386 has 129 MA's), (Start: 55 @40398 has 12 MA's), (Start: 56 @40404 has 81 MA's), (67, 40524), (69, 40566), (Start: 74 @40617 has 3 MA's), (85, 40731), (89, 40743), (110, 40845), (141, 40932), (143, 40935), (156, 41019), (157, 41022), (160, 41037), (179, 41112), (192, 41187), (214, 41295), (228, 41373), (229, 41382), (234, 41397), (250, 41442), (256, 41478), (271, 41526), (293, 41613),

Gene: Haleema_47 Start: 40091, Stop: 41407, Start Num: 45
Candidate Starts for Haleema_47:
(Start: 35 @40052 has 29 MA's), (38, 40061), (Start: 45 @40091 has 158 MA's), (Start: 49 @40100 has 129 MA's), (Start: 55 @40112 has 12 MA's), (Start: 56 @40118 has 81 MA's), (67, 40238), (69, 40280), (Start: 74 @40331 has 3 MA's), (85, 40445), (89, 40457), (110, 40559), (141, 40646), (143, 40649), (156, 40733), (160, 40751), (179, 40826), (192, 40901), (214, 41009), (228, 41087), (229, 41096), (250, 41156), (256, 41192), (271, 41240), (293, 41327),

Gene: Halo_27 Start: 23880, Stop: 25196, Start Num: 48
Candidate Starts for Halo_27:
(Start: 42 @23865 has 14 MA's), (Start: 48 @23880 has 59 MA's), (Start: 56 @23901 has 81 MA's), (67, 24021), (69, 24063), (Start: 74 @24114 has 3 MA's), (89, 24240), (116, 24363), (150, 24513), (210, 24780), (247, 24942), (270, 25029), (296, 25125), (308, 25188),

Gene: Hamish_48 Start: 40369, Stop: 41685, Start Num: 45
Candidate Starts for Hamish_48:
(Start: 35 @40330 has 29 MA's), (38, 40339), (Start: 45 @40369 has 158 MA's), (Start: 49 @40378 has 129 MA's), (Start: 55 @40390 has 12 MA's), (Start: 56 @40396 has 81 MA's), (67, 40516), (69, 40558), (Start: 74 @40609 has 3 MA's), (85, 40723), (89, 40735), (110, 40837), (141, 40924), (143, 40927), (156, 41011), (157, 41014), (160, 41029), (179, 41104), (192, 41179), (214, 41287), (228, 41365), (229, 41374), (234, 41389), (250, 41434), (256, 41470), (271, 41518), (293, 41605),

Gene: Happabalu_48 Start: 40107, Stop: 41414, Start Num: 49
Candidate Starts for Happabalu_48:
(Start: 35 @40059 has 29 MA's), (38, 40068), (Start: 45 @40098 has 158 MA's), (Start: 49 @40107 has 129 MA's), (Start: 55 @40119 has 12 MA's), (Start: 56 @40125 has 81 MA's), (67, 40245), (69, 40287), (Start: 74 @40338 has 3 MA's), (85, 40452), (89, 40464), (110, 40566), (141, 40653), (143, 40656), (156, 40740), (157, 40743), (160, 40758), (179, 40833), (192, 40908), (214, 41016), (228,

41094), (229, 41103), (234, 41118), (250, 41163), (256, 41199), (271, 41247), (293, 41334),

Gene: Harlequin_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Harlequin_7:
(15, 1549), (22, 1603), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (94, 2188), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (302, 3076),

Gene: Hartsy_48 Start: 40420, Stop: 41736, Start Num: 45
Candidate Starts for Hartsy_48:
(Start: 35 @40381 has 29 MA's), (38, 40390), (Start: 45 @40420 has 158 MA's), (Start: 49 @40429 has 129 MA's), (Start: 55 @40441 has 12 MA's), (Start: 56 @40447 has 81 MA's), (67, 40567), (69, 40609), (Start: 74 @40660 has 3 MA's), (89, 40786), (110, 40888), (141, 40975), (143, 40978), (156, 41062), (160, 41080), (179, 41155), (192, 41230), (214, 41338), (228, 41416), (229, 41425), (250, 41485), (256, 41521), (271, 41569), (293, 41656),

Gene: Harvey_48 Start: 40395, Stop: 41723, Start Num: 45
Candidate Starts for Harvey_48:
(Start: 35 @40356 has 29 MA's), (38, 40365), (Start: 45 @40395 has 158 MA's), (Start: 49 @40404 has 129 MA's), (Start: 55 @40416 has 12 MA's), (67, 40542), (69, 40584), (Start: 74 @40635 has 3 MA's), (81, 40704), (89, 40761), (110, 40875), (141, 40962), (143, 40965), (156, 41049), (157, 41052), (160, 41067), (179, 41142), (192, 41217), (214, 41325), (228, 41403), (229, 41412), (234, 41427), (250, 41472), (256, 41508), (271, 41556), (293, 41643),

Gene: Hekos_45 Start: 38973, Stop: 40262, Start Num: 56
Candidate Starts for Hekos_45:
(Start: 35 @38907 has 29 MA's), (38, 38916), (Start: 45 @38946 has 158 MA's), (Start: 49 @38955 has 129 MA's), (Start: 55 @38967 has 12 MA's), (Start: 56 @38973 has 81 MA's), (67, 39093), (69, 39135), (Start: 74 @39186 has 3 MA's), (85, 39300), (89, 39312), (110, 39414), (141, 39501), (143, 39504), (156, 39588), (160, 39606), (179, 39681), (192, 39756), (214, 39864), (228, 39942), (229, 39951), (250, 40011), (256, 40047), (271, 40095), (293, 40182),

Gene: Held_48 Start: 40081, Stop: 41412, Start Num: 45
Candidate Starts for Held_48:
(Start: 35 @40042 has 29 MA's), (38, 40051), (Start: 45 @40081 has 158 MA's), (Start: 49 @40090 has 129 MA's), (Start: 55 @40102 has 12 MA's), (67, 40228), (69, 40270), (Start: 74 @40321 has 3 MA's), (85, 40435), (89, 40447), (110, 40561), (112, 40564), (141, 40651), (143, 40654), (156, 40738), (157, 40741), (160, 40756), (179, 40831), (192, 40906), (214, 41014), (228, 41092), (229, 41101), (250, 41161), (256, 41197), (271, 41245), (293, 41332),

Gene: HenryJackson_47 Start: 40118, Stop: 41407, Start Num: 56
Candidate Starts for HenryJackson_47:
(Start: 35 @40052 has 29 MA's), (38, 40061), (Start: 45 @40091 has 158 MA's), (Start: 49 @40100 has 129 MA's), (Start: 55 @40112 has 12 MA's), (Start: 56 @40118 has 81 MA's), (67, 40238), (69, 40280), (Start: 74 @40331 has 3 MA's), (85, 40445), (89, 40457), (110, 40559), (141, 40646), (143, 40649), (156, 40733), (160, 40751), (179, 40826), (192, 40901), (214, 41009), (228, 41087), (229, 41096), (250, 41156), (256, 41192), (271, 41240), (293, 41327),

Gene: Hertubise_48 Start: 40391, Stop: 41707, Start Num: 45
Candidate Starts for Hertubise_48:
(Start: 35 @40352 has 29 MA's), (38, 40361), (Start: 45 @40391 has 158 MA's), (Start: 49 @40400 has 129 MA's), (Start: 55 @40412 has 12 MA's), (Start: 56 @40418 has 81 MA's), (67, 40538), (69,

40580), (Start: 74 @40631 has 3 MA's), (85, 40745), (89, 40757), (110, 40859), (141, 40946), (143, 40949), (156, 41033), (157, 41036), (160, 41051), (179, 41126), (192, 41201), (214, 41309), (228, 41387), (229, 41396), (250, 41456), (256, 41492), (271, 41540), (293, 41627),

Gene: Hetaeria_48 Start: 40354, Stop: 41724, Start Num: 35
Candidate Starts for Hetaeria_48:
(Start: 35 @40354 has 29 MA's), (38, 40363), (Start: 45 @40393 has 158 MA's), (Start: 49 @40402 has 129 MA's), (Start: 55 @40414 has 12 MA's), (67, 40540), (69, 40582), (Start: 74 @40633 has 3 MA's), (81, 40702), (89, 40759), (110, 40873), (112, 40876), (141, 40963), (143, 40966), (156, 41050), (157, 41053), (160, 41068), (179, 41143), (192, 41218), (214, 41326), (228, 41404), (229, 41413), (234, 41428), (250, 41473), (256, 41509), (271, 41557), (293, 41644),

Gene: HighStump_48 Start: 40218, Stop: 41534, Start Num: 45
Candidate Starts for HighStump_48:
(Start: 35 @40179 has 29 MA's), (38, 40188), (Start: 45 @40218 has 158 MA's), (Start: 49 @40227 has 129 MA's), (Start: 55 @40239 has 12 MA's), (Start: 56 @40245 has 81 MA's), (67, 40365), (69, 40407), (Start: 74 @40458 has 3 MA's), (85, 40572), (89, 40584), (110, 40686), (141, 40773), (143, 40776), (156, 40860), (160, 40878), (179, 40953), (192, 41028), (214, 41136), (228, 41214), (229, 41223), (250, 41283), (256, 41319), (271, 41367), (293, 41454),

Gene: Hilltopfarm_31 Start: 27809, Stop: 29119, Start Num: 51
Candidate Starts for Hilltopfarm_31:
(19, 27569), (Start: 51 @27809 has 5 MA's), (67, 27947), (69, 27989), (Start: 74 @28040 has 3 MA's), (89, 28166), (114, 28268), (119, 28286), (121, 28292), (124, 28301), (133, 28334), (135, 28337), (146, 28391), (167, 28499), (173, 28520), (184, 28568), (186, 28583), (190, 28610), (203, 28679), (205, 28688), (223, 28796), (229, 28829), (232, 28838), (248, 28880), (260, 28931), (266, 28946), (283, 28991), (293, 29030), (296, 29048), (304, 29099), (308, 29111),

Gene: Hiro_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Hiro_7:
(15, 1549), (22, 1603), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (94, 2188), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (302, 3076),

Gene: Hocus_47 Start: 40080, Stop: 41396, Start Num: 45
Candidate Starts for Hocus_47:
(Start: 35 @40041 has 29 MA's), (38, 40050), (Start: 45 @40080 has 158 MA's), (Start: 49 @40089 has 129 MA's), (Start: 55 @40101 has 12 MA's), (Start: 56 @40107 has 81 MA's), (67, 40227), (69, 40269), (Start: 74 @40320 has 3 MA's), (85, 40434), (89, 40446), (110, 40548), (141, 40635), (143, 40638), (156, 40722), (160, 40740), (179, 40815), (192, 40890), (214, 40998), (228, 41076), (229, 41085), (250, 41145), (256, 41181), (271, 41229), (293, 41316),

Gene: HogWash_48 Start: 40416, Stop: 41705, Start Num: 56
Candidate Starts for HogWash_48:
(Start: 35 @40350 has 29 MA's), (38, 40359), (Start: 45 @40389 has 158 MA's), (Start: 49 @40398 has 129 MA's), (Start: 55 @40410 has 12 MA's), (Start: 56 @40416 has 81 MA's), (67, 40536), (69, 40578), (Start: 74 @40629 has 3 MA's), (85, 40743), (89, 40755), (110, 40857), (141, 40944), (143, 40947), (156, 41031), (157, 41034), (160, 41049), (179, 41124), (192, 41199), (214, 41307), (228, 41385), (229, 41394), (234, 41409), (250, 41454), (256, 41490), (271, 41538), (293, 41625),

Gene: Hope_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Hope_27:

(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Horchata_48 Start: 40371, Stop: 41699, Start Num: 45
Candidate Starts for Horchata_48:
(Start: 35 @40332 has 29 MA's), (38, 40341), (Start: 45 @40371 has 158 MA's), (Start: 49 @40380 has 129 MA's), (Start: 55 @40392 has 12 MA's), (Start: 56 @40398 has 81 MA's), (67, 40518), (69, 40560), (Start: 74 @40611 has 3 MA's), (85, 40725), (89, 40737), (110, 40851), (141, 40938), (143, 40941), (156, 41025), (157, 41028), (160, 41043), (179, 41118), (192, 41193), (214, 41301), (228, 41379), (229, 41388), (250, 41448), (256, 41484), (271, 41532), (293, 41619),

Gene: Hortihabitatio_12 Start: 5735, Stop: 7024, Start Num: 49
Candidate Starts for Hortihabitatio_12:
(Start: 46 @5729 has 1 MA's), (Start: 49 @5735 has 129 MA's), (Start: 74 @5984 has 3 MA's), (77, 6008), (103, 6197), (129, 6266), (131, 6272), (169, 6449), (177, 6482), (193, 6578), (239, 6803), (249, 6836), (266, 6899),

Gene: Hotshotbaby7_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Hotshotbaby7_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Hydrus_12 Start: 5629, Stop: 6915, Start Num: 49
Candidate Starts for Hydrus_12:
(Start: 44 @5617 has 3 MA's), (Start: 45 @5620 has 158 MA's), (Start: 47 @5626 has 1 MA's), (Start: 49 @5629 has 129 MA's), (Start: 56 @5647 has 81 MA's), (Start: 74 @5878 has 3 MA's), (94, 6040), (103, 6091), (119, 6127), (121, 6133), (122, 6136), (164, 6319), (193, 6472), (226, 6649), (239, 6694), (243, 6712), (279, 6835), (281, 6847), (289, 6886),

Gene: ImtiyazSitla_48 Start: 40093, Stop: 41382, Start Num: 56
Candidate Starts for ImtiyazSitla_48:
(Start: 35 @40027 has 29 MA's), (38, 40036), (Start: 45 @40066 has 158 MA's), (Start: 49 @40075 has 129 MA's), (Start: 55 @40087 has 12 MA's), (Start: 56 @40093 has 81 MA's), (67, 40213), (69, 40255), (Start: 74 @40306 has 3 MA's), (85, 40420), (89, 40432), (110, 40534), (141, 40621), (143, 40624), (156, 40708), (160, 40726), (179, 40801), (192, 40876), (214, 40984), (228, 41062), (229, 41071), (250, 41131), (256, 41167), (271, 41215), (293, 41302),

Gene: Inchworm_49 Start: 40465, Stop: 41820, Start Num: 35
Candidate Starts for Inchworm_49:
(Start: 35 @40465 has 29 MA's), (38, 40474), (Start: 45 @40504 has 158 MA's), (Start: 49 @40513 has 129 MA's), (Start: 55 @40525 has 12 MA's), (Start: 56 @40531 has 81 MA's), (67, 40651), (69, 40693), (Start: 74 @40744 has 3 MA's), (85, 40858), (89, 40870), (110, 40972), (141, 41059), (143, 41062), (156, 41146), (160, 41164), (179, 41239), (192, 41314), (214, 41422), (228, 41500), (229, 41509), (250, 41569), (256, 41605), (271, 41653), (293, 41740),

Gene: Inverness_48 Start: 40380, Stop: 41708, Start Num: 45
Candidate Starts for Inverness_48:
(Start: 35 @40341 has 29 MA's), (38, 40350), (Start: 45 @40380 has 158 MA's), (Start: 49 @40389 has 129 MA's), (Start: 55 @40401 has 12 MA's), (67, 40527), (69, 40569), (Start: 74 @40620 has 3 MA's), (81, 40689), (89, 40746), (110, 40860), (141, 40947), (143, 40950), (156, 41034), (157, 41037), (160, 41052), (179, 41127), (192, 41202), (214, 41310), (228, 41388), (229, 41397), (234, 41412),

(250, 41457), (256, 41493), (271, 41541), (293, 41628),

Gene: Iridessa_48 Start: 40076, Stop: 41392, Start Num: 45
Candidate Starts for Iridessa_48:
(Start: 35 @40037 has 29 MA's), (38, 40046), (Start: 45 @40076 has 158 MA's), (Start: 49 @40085 has 129 MA's), (Start: 55 @40097 has 12 MA's), (Start: 56 @40103 has 81 MA's), (67, 40223), (69, 40265), (Start: 74 @40316 has 3 MA's), (85, 40430), (89, 40442), (110, 40544), (141, 40631), (143, 40634), (156, 40718), (160, 40736), (179, 40811), (192, 40886), (214, 40994), (228, 41072), (229, 41081), (250, 41141), (256, 41177), (271, 41225), (293, 41312),

Gene: Iridoclysis_48 Start: 40363, Stop: 41679, Start Num: 45
Candidate Starts for Iridoclysis_48:
(Start: 35 @40324 has 29 MA's), (38, 40333), (Start: 45 @40363 has 158 MA's), (Start: 49 @40372 has 129 MA's), (Start: 55 @40384 has 12 MA's), (Start: 56 @40390 has 81 MA's), (67, 40510), (69, 40552), (Start: 74 @40603 has 3 MA's), (85, 40717), (89, 40729), (110, 40831), (141, 40918), (143, 40921), (156, 41005), (160, 41023), (179, 41098), (192, 41173), (205, 41236), (214, 41281), (228, 41359), (229, 41368), (250, 41428), (256, 41464), (271, 41512), (293, 41599),

Gene: IsaacEli_49 Start: 40549, Stop: 41838, Start Num: 56
Candidate Starts for IsaacEli_49:
(Start: 35 @40483 has 29 MA's), (38, 40492), (Start: 45 @40522 has 158 MA's), (Start: 49 @40531 has 129 MA's), (Start: 55 @40543 has 12 MA's), (Start: 56 @40549 has 81 MA's), (67, 40669), (69, 40711), (Start: 74 @40762 has 3 MA's), (85, 40876), (89, 40888), (110, 40990), (141, 41077), (143, 41080), (156, 41164), (160, 41182), (179, 41257), (192, 41332), (214, 41440), (228, 41518), (229, 41527), (250, 41587), (256, 41623), (271, 41671), (293, 41758),

Gene: JDog_47 Start: 40061, Stop: 41416, Start Num: 35
Candidate Starts for JDog_47:
(Start: 35 @40061 has 29 MA's), (38, 40070), (Start: 45 @40100 has 158 MA's), (Start: 49 @40109 has 129 MA's), (Start: 55 @40121 has 12 MA's), (Start: 56 @40127 has 81 MA's), (67, 40247), (69, 40289), (Start: 74 @40340 has 3 MA's), (85, 40454), (89, 40466), (110, 40568), (141, 40655), (143, 40658), (156, 40742), (157, 40745), (160, 40760), (179, 40835), (192, 40910), (214, 41018), (228, 41096), (229, 41105), (234, 41120), (250, 41165), (256, 41201), (271, 41249), (293, 41336),

Gene: JacAttac_49 Start: 40531, Stop: 41820, Start Num: 56
Candidate Starts for JacAttac_49:
(Start: 35 @40465 has 29 MA's), (38, 40474), (Start: 45 @40504 has 158 MA's), (Start: 49 @40513 has 129 MA's), (Start: 55 @40525 has 12 MA's), (Start: 56 @40531 has 81 MA's), (67, 40651), (69, 40693), (Start: 74 @40744 has 3 MA's), (85, 40858), (89, 40870), (110, 40972), (141, 41059), (143, 41062), (156, 41146), (160, 41164), (179, 41239), (192, 41314), (214, 41422), (228, 41500), (229, 41509), (250, 41569), (256, 41605), (271, 41653), (293, 41740),

Gene: JakeO_47 Start: 40099, Stop: 41415, Start Num: 45
Candidate Starts for JakeO_47:
(Start: 35 @40060 has 29 MA's), (38, 40069), (Start: 45 @40099 has 158 MA's), (Start: 49 @40108 has 129 MA's), (Start: 55 @40120 has 12 MA's), (Start: 56 @40126 has 81 MA's), (67, 40246), (69, 40288), (Start: 74 @40339 has 3 MA's), (85, 40453), (89, 40465), (110, 40567), (141, 40654), (143, 40657), (156, 40741), (160, 40759), (179, 40834), (192, 40909), (205, 40972), (214, 41017), (228, 41095), (229, 41104), (250, 41164), (256, 41200), (271, 41248), (293, 41335),

Gene: Jane_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Jane_27:

(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: JangoPhett_48 Start: 40374, Stop: 41690, Start Num: 45
Candidate Starts for JangoPhett_48:
(Start: 35 @40335 has 29 MA's), (38, 40344), (Start: 45 @40374 has 158 MA's), (Start: 49 @40383 has 129 MA's), (Start: 55 @40395 has 12 MA's), (Start: 56 @40401 has 81 MA's), (67, 40521), (69, 40563), (Start: 74 @40614 has 3 MA's), (85, 40728), (89, 40740), (110, 40842), (141, 40929), (143, 40932), (156, 41016), (157, 41019), (160, 41034), (179, 41109), (192, 41184), (214, 41292), (228, 41370), (229, 41379), (234, 41394), (250, 41439), (256, 41475), (271, 41523), (293, 41610),

Gene: Jbug01_48 Start: 39603, Stop: 40910, Start Num: 49
Candidate Starts for Jbug01_48:
(Start: 35 @39555 has 29 MA's), (38, 39564), (Start: 45 @39594 has 158 MA's), (Start: 49 @39603 has 129 MA's), (Start: 55 @39615 has 12 MA's), (Start: 56 @39621 has 81 MA's), (67, 39741), (69, 39783), (Start: 74 @39834 has 3 MA's), (85, 39948), (89, 39960), (110, 40062), (141, 40149), (143, 40152), (156, 40236), (160, 40254), (179, 40329), (192, 40404), (205, 40467), (214, 40512), (228, 40590), (229, 40599), (250, 40659), (256, 40695), (271, 40743), (293, 40830),

Gene: Jeilious_27 Start: 23884, Stop: 25200, Start Num: 48
Candidate Starts for Jeilious_27:
(Start: 42 @23869 has 14 MA's), (Start: 48 @23884 has 59 MA's), (Start: 56 @23905 has 81 MA's), (67, 24025), (69, 24067), (Start: 74 @24118 has 3 MA's), (89, 24244), (116, 24367), (150, 24517), (210, 24784), (247, 24946), (270, 25033), (296, 25129), (308, 25192),

Gene: Jesabah_48 Start: 40102, Stop: 41418, Start Num: 45
Candidate Starts for Jesabah_48:
(Start: 35 @40063 has 29 MA's), (38, 40072), (Start: 45 @40102 has 158 MA's), (Start: 49 @40111 has 129 MA's), (Start: 55 @40123 has 12 MA's), (67, 40249), (69, 40291), (Start: 74 @40342 has 3 MA's), (85, 40456), (89, 40468), (110, 40570), (141, 40657), (143, 40660), (156, 40744), (160, 40762), (179, 40837), (192, 40912), (214, 41020), (228, 41098), (229, 41107), (250, 41167), (256, 41203), (271, 41251), (293, 41338),

Gene: Jester_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Jester_7:
(15, 1549), (22, 1603), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (94, 2188), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (302, 3076),

Gene: Jillium_47 Start: 40093, Stop: 41409, Start Num: 45
Candidate Starts for Jillium_47:
(Start: 35 @40054 has 29 MA's), (38, 40063), (Start: 45 @40093 has 158 MA's), (Start: 49 @40102 has 129 MA's), (Start: 55 @40114 has 12 MA's), (67, 40240), (69, 40282), (Start: 74 @40333 has 3 MA's), (85, 40447), (89, 40459), (110, 40561), (141, 40648), (143, 40651), (156, 40735), (160, 40753), (179, 40828), (192, 40903), (214, 41011), (228, 41089), (229, 41098), (250, 41158), (256, 41194), (271, 41242), (293, 41329),

Gene: Jiminy_47 Start: 39934, Stop: 41250, Start Num: 45
Candidate Starts for Jiminy_47:
(Start: 35 @39895 has 29 MA's), (38, 39904), (Start: 45 @39934 has 158 MA's), (Start: 49 @39943 has 129 MA's), (Start: 55 @39955 has 12 MA's), (Start: 56 @39961 has 81 MA's), (67, 40081), (69,

40123), (Start: 74 @40174 has 3 MA's), (85, 40288), (89, 40300), (110, 40402), (141, 40489), (143, 40492), (156, 40576), (160, 40594), (179, 40669), (192, 40744), (214, 40852), (228, 40930), (229, 40939), (250, 40999), (256, 41035), (271, 41083), (293, 41170),

Gene: Jiraiya_47 Start: 40087, Stop: 41403, Start Num: 45
Candidate Starts for Jiraiya_47:
(Start: 35 @40048 has 29 MA's), (38, 40057), (Start: 45 @40087 has 158 MA's), (Start: 49 @40096 has 129 MA's), (Start: 55 @40108 has 12 MA's), (Start: 56 @40114 has 81 MA's), (67, 40234), (69, 40276), (Start: 74 @40327 has 3 MA's), (85, 40441), (89, 40453), (110, 40555), (141, 40642), (143, 40645), (156, 40729), (160, 40747), (179, 40822), (192, 40897), (214, 41005), (228, 41083), (229, 41092), (250, 41152), (256, 41188), (271, 41236), (293, 41323),

Gene: Jodelie19_13 Start: 6647, Stop: 7933, Start Num: 49
Candidate Starts for Jodelie19_13:
(Start: 49 @6647 has 129 MA's), (Start: 56 @6665 has 81 MA's), (59, 6719), (67, 6803), (Start: 74 @6896 has 3 MA's), (85, 7010), (94, 7058), (103, 7109), (119, 7145), (121, 7151), (164, 7337), (166, 7352), (193, 7490), (226, 7667), (239, 7712), (243, 7730), (279, 7853), (281, 7865),

Gene: JohnLord_40 Start: 35621, Stop: 36943, Start Num: 55
Candidate Starts for JohnLord_40:
(23, 35414), (25, 35426), (27, 35447), (32, 35510), (Start: 49 @35606 has 129 MA's), (Start: 55 @35621 has 12 MA's), (Start: 56 @35627 has 81 MA's), (57, 35633), (66, 35744), (67, 35747), (Start: 74 @35840 has 3 MA's), (89, 35966), (113, 36086), (136, 36152), (139, 36164), (161, 36275), (164, 36281), (236, 36653), (242, 36671), (256, 36728), (268, 36767), (269, 36770), (289, 36857), (303, 36917),

Gene: Jolene_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Jolene_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Jolie2_27 Start: 24367, Stop: 25716, Start Num: 49
Candidate Starts for Jolie2_27:
(Start: 49 @24367 has 129 MA's), (Start: 55 @24382 has 12 MA's), (69, 24550), (Start: 74 @24601 has 3 MA's), (100, 24793), (116, 24859), (145, 24970), (146, 24973), (166, 25075), (167, 25078), (184, 25147), (197, 25228), (211, 25291), (221, 25369), (223, 25375), (229, 25408), (255, 25516), (260, 25534), (273, 25567), (305, 25705),

Gene: Jonghyun_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Jonghyun_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: JorRay_27 Start: 23870, Stop: 25201, Start Num: 42
Candidate Starts for JorRay_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Juicebox_23 Start: 21279, Stop: 22559, Start Num: 49
Candidate Starts for Juicebox_23:

(11, 20949), (13, 20967), (17, 21021), (37, 21237), (Start: 49 @21279 has 129 MA's), (68, 21432), (82, 21621), (111, 21762), (137, 21837), (148, 21885), (172, 21996), (175, 22014), (189, 22086), (191, 22104), (202, 22164), (209, 22185), (245, 22365), (261, 22428), (291, 22524),

Gene: JulesRay_9 Start: 3802, Stop: 5085, Start Num: 49
Candidate Starts for JulesRay_9:
(Start: 49 @3802 has 129 MA's), (Start: 56 @3820 has 81 MA's), (Start: 74 @4051 has 3 MA's), (103, 4264), (122, 4309), (144, 4387), (145, 4399), (164, 4492), (166, 4507), (187, 4591), (193, 4645), (200, 4690), (216, 4771), (239, 4864), (266, 4960), (281, 5017),

Gene: KLucky39_48 Start: 40399, Stop: 41706, Start Num: 55
Candidate Starts for KLucky39_48:
(Start: 35 @40339 has 29 MA's), (38, 40348), (Start: 45 @40378 has 158 MA's), (Start: 49 @40387 has 129 MA's), (Start: 55 @40399 has 12 MA's), (67, 40525), (69, 40567), (Start: 74 @40618 has 3 MA's), (81, 40687), (89, 40744), (110, 40858), (141, 40945), (143, 40948), (156, 41032), (157, 41035), (160, 41050), (179, 41125), (192, 41200), (214, 41308), (228, 41386), (229, 41395), (234, 41410), (250, 41455), (256, 41491), (271, 41539), (293, 41626),

Gene: Kahve_47 Start: 40115, Stop: 41404, Start Num: 56
Candidate Starts for Kahve_47:
(Start: 35 @40049 has 29 MA's), (38, 40058), (Start: 45 @40088 has 158 MA's), (Start: 49 @40097 has 129 MA's), (Start: 55 @40109 has 12 MA's), (Start: 56 @40115 has 81 MA's), (67, 40235), (69, 40277), (Start: 74 @40328 has 3 MA's), (85, 40442), (89, 40454), (110, 40556), (141, 40643), (143, 40646), (156, 40730), (160, 40748), (179, 40823), (192, 40898), (214, 41006), (228, 41084), (229, 41093), (250, 41153), (256, 41189), (271, 41237), (293, 41324),

Gene: Kailash_48 Start: 40435, Stop: 41766, Start Num: 45
Candidate Starts for Kailash_48:
(Start: 35 @40396 has 29 MA's), (38, 40405), (Start: 45 @40435 has 158 MA's), (Start: 49 @40444 has 129 MA's), (Start: 55 @40456 has 12 MA's), (Start: 56 @40462 has 81 MA's), (67, 40582), (69, 40624), (Start: 74 @40675 has 3 MA's), (89, 40801), (110, 40915), (112, 40918), (141, 41005), (143, 41008), (156, 41092), (157, 41095), (160, 41110), (179, 41185), (192, 41260), (214, 41368), (228, 41446), (229, 41455), (250, 41515), (256, 41551), (271, 41599), (293, 41686),

Gene: Kareem_27 Start: 23870, Stop: 25201, Start Num: 42
Candidate Starts for Kareem_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Karn_47 Start: 40121, Stop: 41410, Start Num: 56
Candidate Starts for Karn_47:
(Start: 35 @40055 has 29 MA's), (38, 40064), (Start: 45 @40094 has 158 MA's), (Start: 49 @40103 has 129 MA's), (Start: 55 @40115 has 12 MA's), (Start: 56 @40121 has 81 MA's), (67, 40241), (69, 40283), (Start: 74 @40334 has 3 MA's), (85, 40448), (89, 40460), (110, 40562), (141, 40649), (143, 40652), (156, 40736), (160, 40754), (179, 40829), (192, 40904), (214, 41012), (228, 41090), (229, 41099), (250, 41159), (256, 41195), (271, 41243), (293, 41330),

Gene: Kasen3_27 Start: 23886, Stop: 25202, Start Num: 48
Candidate Starts for Kasen3_27:
(Start: 42 @23871 has 14 MA's), (Start: 48 @23886 has 59 MA's), (Start: 56 @23907 has 81 MA's), (67, 24027), (69, 24069), (Start: 74 @24120 has 3 MA's), (89, 24246), (116, 24369), (150, 24519), (210, 24786), (247, 24948), (270, 25035), (296, 25131), (308, 25194),

Gene: Katniss_49 Start: 40558, Stop: 41847, Start Num: 56
Candidate Starts for Katniss_49:
(Start: 35 @40492 has 29 MA's), (38, 40501), (Start: 45 @40531 has 158 MA's), (Start: 49 @40540 has 129 MA's), (Start: 55 @40552 has 12 MA's), (Start: 56 @40558 has 81 MA's), (67, 40678), (69, 40720), (Start: 74 @40771 has 3 MA's), (85, 40885), (89, 40897), (110, 40999), (141, 41086), (143, 41089), (156, 41173), (160, 41191), (179, 41266), (192, 41341), (214, 41449), (228, 41527), (229, 41536), (250, 41596), (256, 41632), (271, 41680), (293, 41767),

Gene: Keitherie_48 Start: 40443, Stop: 41750, Start Num: 49
Candidate Starts for Keitherie_48:
(Start: 35 @40395 has 29 MA's), (38, 40404), (Start: 45 @40434 has 158 MA's), (Start: 49 @40443 has 129 MA's), (Start: 55 @40455 has 12 MA's), (Start: 56 @40461 has 81 MA's), (67, 40581), (69, 40623), (Start: 74 @40674 has 3 MA's), (85, 40788), (89, 40800), (110, 40902), (141, 40989), (143, 40992), (156, 41076), (160, 41094), (179, 41169), (192, 41244), (214, 41352), (228, 41430), (229, 41439), (250, 41499), (256, 41535), (271, 41583), (293, 41670),

Gene: Kenosha_10 Start: 4230, Stop: 5516, Start Num: 49
Candidate Starts for Kenosha_10:
(Start: 47 @4227 has 1 MA's), (Start: 49 @4230 has 129 MA's), (Start: 56 @4248 has 81 MA's), (Start: 74 @4479 has 3 MA's), (94, 4641), (103, 4692), (105, 4695), (164, 4920), (166, 4935), (193, 5073), (226, 5250), (239, 5295), (243, 5313), (289, 5487),

Gene: Kerry_9 Start: 3518, Stop: 4801, Start Num: 49
Candidate Starts for Kerry_9:
(Start: 49 @3518 has 129 MA's), (69, 3716), (Start: 74 @3767 has 3 MA's), (103, 3980), (122, 4025), (164, 4208), (187, 4307), (193, 4361), (216, 4487), (239, 4580), (266, 4676), (281, 4733),

Gene: Khan1_47 Start: 40109, Stop: 41425, Start Num: 45
Candidate Starts for Khan1_47:
(Start: 35 @40070 has 29 MA's), (38, 40079), (Start: 45 @40109 has 158 MA's), (Start: 49 @40118 has 129 MA's), (Start: 55 @40130 has 12 MA's), (Start: 56 @40136 has 81 MA's), (67, 40256), (69, 40298), (Start: 74 @40349 has 3 MA's), (85, 40463), (89, 40475), (110, 40577), (141, 40664), (143, 40667), (156, 40751), (160, 40769), (179, 40844), (192, 40919), (214, 41027), (228, 41105), (229, 41114), (250, 41174), (256, 41210), (271, 41258), (293, 41345),

Gene: Kikipoo_49 Start: 40549, Stop: 41838, Start Num: 56
Candidate Starts for Kikipoo_49:
(Start: 35 @40483 has 29 MA's), (38, 40492), (Start: 45 @40522 has 158 MA's), (Start: 49 @40531 has 129 MA's), (Start: 55 @40543 has 12 MA's), (Start: 56 @40549 has 81 MA's), (67, 40669), (69, 40711), (Start: 74 @40762 has 3 MA's), (85, 40876), (89, 40888), (110, 40990), (141, 41077), (143, 41080), (156, 41164), (160, 41182), (179, 41257), (192, 41332), (214, 41440), (228, 41518), (229, 41527), (250, 41587), (256, 41623), (271, 41671), (293, 41758),

Gene: Kimbrough_48 Start: 40095, Stop: 41411, Start Num: 45
Candidate Starts for Kimbrough_48:
(Start: 35 @40056 has 29 MA's), (38, 40065), (Start: 45 @40095 has 158 MA's), (Start: 49 @40104 has 129 MA's), (Start: 55 @40116 has 12 MA's), (Start: 56 @40122 has 81 MA's), (67, 40242), (69, 40284), (Start: 74 @40335 has 3 MA's), (85, 40449), (89, 40461), (110, 40563), (141, 40650), (143, 40653), (156, 40737), (160, 40755), (179, 40830), (192, 40905), (214, 41013), (228, 41091), (229, 41100), (250, 41160), (256, 41196), (271, 41244), (293, 41331),

Gene: Kinbote_32 Start: 26981, Stop: 28339, Start Num: 39

Candidate Starts for Kinbote_32:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: KingTut_39 Start: 35779, Stop: 37074, Start Num: 55
Candidate Starts for KingTut_39:
(Start: 35 @35719 has 29 MA's), (38, 35728), (Start: 45 @35758 has 158 MA's), (Start: 49 @35767 has 129 MA's), (Start: 55 @35779 has 12 MA's), (67, 35905), (69, 35947), (Start: 74 @35998 has 3 MA's), (85, 36112), (89, 36124), (110, 36226), (141, 36313), (143, 36316), (156, 36400), (160, 36418), (179, 36493), (192, 36568), (214, 36676), (228, 36754), (229, 36763), (250, 36823), (256, 36859), (271, 36907), (293, 36994),

Gene: KingVeVeVe_48 Start: 40393, Stop: 41682, Start Num: 56
Candidate Starts for KingVeVeVe_48:
(Start: 35 @40327 has 29 MA's), (38, 40336), (Start: 45 @40366 has 158 MA's), (Start: 49 @40375 has 129 MA's), (Start: 55 @40387 has 12 MA's), (Start: 56 @40393 has 81 MA's), (67, 40513), (69, 40555), (Start: 74 @40606 has 3 MA's), (85, 40720), (89, 40732), (110, 40834), (141, 40921), (143, 40924), (156, 41008), (160, 41026), (179, 41101), (192, 41176), (205, 41239), (214, 41284), (228, 41362), (229, 41371), (250, 41431), (256, 41467), (271, 41515), (293, 41602),

Gene: Kiwot_48 Start: 39952, Stop: 41274, Start Num: 49
Candidate Starts for Kiwot_48:
(Start: 35 @39904 has 29 MA's), (38, 39913), (Start: 45 @39943 has 158 MA's), (Start: 49 @39952 has 129 MA's), (Start: 55 @39964 has 12 MA's), (67, 40090), (69, 40132), (Start: 74 @40183 has 3 MA's), (81, 40252), (89, 40309), (110, 40423), (112, 40426), (141, 40513), (143, 40516), (156, 40600), (157, 40603), (160, 40618), (179, 40693), (192, 40768), (205, 40831), (214, 40876), (228, 40954), (229, 40963), (250, 41023), (256, 41059), (271, 41107), (293, 41194),

Gene: KlimbOn_48 Start: 40372, Stop: 41700, Start Num: 45
Candidate Starts for KlimbOn_48:
(Start: 35 @40333 has 29 MA's), (38, 40342), (Start: 45 @40372 has 158 MA's), (Start: 49 @40381 has 129 MA's), (Start: 55 @40393 has 12 MA's), (67, 40519), (69, 40561), (Start: 74 @40612 has 3 MA's), (81, 40681), (89, 40738), (110, 40852), (141, 40939), (143, 40942), (156, 41026), (157, 41029), (160, 41044), (179, 41119), (192, 41194), (214, 41302), (228, 41380), (229, 41389), (234, 41404), (250, 41449), (256, 41485), (271, 41533), (293, 41620),

Gene: Kloppinator_49 Start: 40758, Stop: 42113, Start Num: 35
Candidate Starts for Kloppinator_49:
(Start: 35 @40758 has 29 MA's), (38, 40767), (Start: 45 @40797 has 158 MA's), (Start: 49 @40806 has 129 MA's), (Start: 55 @40818 has 12 MA's), (Start: 56 @40824 has 81 MA's), (67, 40944), (69, 40986), (Start: 74 @41037 has 3 MA's), (85, 41151), (89, 41163), (110, 41265), (141, 41352), (143, 41355), (156, 41439), (160, 41457), (179, 41532), (192, 41607), (214, 41715), (228, 41793), (229, 41802), (250, 41862), (256, 41898), (271, 41946), (293, 42033),

Gene: Krishelle_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Krishelle_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Kwadwo_47 Start: 40070, Stop: 41386, Start Num: 45
Candidate Starts for Kwadwo_47:
(Start: 35 @40031 has 29 MA's), (38, 40040), (Start: 45 @40070 has 158 MA's), (Start: 49 @40079 has 129 MA's), (Start: 55 @40091 has 12 MA's), (Start: 56 @40097 has 81 MA's), (67, 40217), (69, 40259), (Start: 74 @40310 has 3 MA's), (85, 40424), (89, 40436), (110, 40538), (141, 40625), (143, 40628), (156, 40712), (160, 40730), (179, 40805), (192, 40880), (214, 40988), (228, 41066), (229, 41075), (250, 41135), (256, 41171), (271, 41219), (293, 41306),

Gene: Kwksand96_47 Start: 39945, Stop: 41261, Start Num: 45
Candidate Starts for Kwksand96_47:
(Start: 35 @39906 has 29 MA's), (38, 39915), (Start: 45 @39945 has 158 MA's), (Start: 49 @39954 has 129 MA's), (Start: 55 @39966 has 12 MA's), (Start: 56 @39972 has 81 MA's), (67, 40092), (69, 40134), (Start: 74 @40185 has 3 MA's), (85, 40299), (89, 40311), (110, 40413), (141, 40500), (143, 40503), (156, 40587), (160, 40605), (179, 40680), (192, 40755), (214, 40863), (228, 40941), (229, 40950), (250, 41010), (256, 41046), (271, 41094), (293, 41181),

Gene: Labeouficaum_47 Start: 39967, Stop: 41256, Start Num: 56
Candidate Starts for Labeouficaum_47:
(Start: 35 @39901 has 29 MA's), (38, 39910), (Start: 45 @39940 has 158 MA's), (Start: 49 @39949 has 129 MA's), (Start: 55 @39961 has 12 MA's), (Start: 56 @39967 has 81 MA's), (67, 40087), (69, 40129), (Start: 74 @40180 has 3 MA's), (85, 40294), (89, 40306), (110, 40408), (141, 40495), (143, 40498), (156, 40582), (160, 40600), (179, 40675), (192, 40750), (214, 40858), (228, 40936), (229, 40945), (250, 41005), (256, 41041), (271, 41089), (293, 41176),

Gene: Larson_50 Start: 40519, Stop: 41808, Start Num: 56
Candidate Starts for Larson_50:
(Start: 35 @40453 has 29 MA's), (38, 40462), (Start: 45 @40492 has 158 MA's), (Start: 49 @40501 has 129 MA's), (Start: 55 @40513 has 12 MA's), (Start: 56 @40519 has 81 MA's), (67, 40639), (69, 40681), (Start: 74 @40732 has 3 MA's), (85, 40846), (89, 40858), (110, 40960), (141, 41047), (143, 41050), (156, 41134), (160, 41152), (179, 41227), (192, 41302), (214, 41410), (228, 41488), (229, 41497), (250, 41557), (256, 41593), (271, 41641), (293, 41728),

Gene: LasagnaCat_49 Start: 40516, Stop: 41832, Start Num: 45
Candidate Starts for LasagnaCat_49:
(Start: 35 @40477 has 29 MA's), (38, 40486), (Start: 45 @40516 has 158 MA's), (Start: 49 @40525 has 129 MA's), (Start: 55 @40537 has 12 MA's), (Start: 56 @40543 has 81 MA's), (67, 40663), (69, 40705), (Start: 74 @40756 has 3 MA's), (85, 40870), (89, 40882), (110, 40984), (141, 41071), (143, 41074), (156, 41158), (160, 41176), (179, 41251), (192, 41326), (214, 41434), (228, 41512), (229, 41521), (250, 41581), (256, 41617), (271, 41665), (293, 41752),

Gene: Lasso_48 Start: 40372, Stop: 41661, Start Num: 56
Candidate Starts for Lasso_48:
(Start: 35 @40306 has 29 MA's), (38, 40315), (Start: 45 @40345 has 158 MA's), (Start: 49 @40354 has 129 MA's), (Start: 55 @40366 has 12 MA's), (Start: 56 @40372 has 81 MA's), (67, 40492), (69, 40534), (Start: 74 @40585 has 3 MA's), (85, 40699), (89, 40711), (110, 40813), (141, 40900), (143, 40903), (156, 40987), (160, 41005), (179, 41080), (192, 41155), (214, 41263), (228, 41341), (229, 41350), (250, 41410), (256, 41446), (271, 41494), (293, 41581),

Gene: Lederberg_21 Start: 19839, Stop: 21065, Start Num: 49
Candidate Starts for Lederberg_21:
(Start: 49 @19839 has 129 MA's), (54, 19848), (Start: 56 @19854 has 81 MA's), (77, 20085), (79, 20103), (96, 20232), (103, 20280), (163, 20478), (178, 20544), (185, 20568), (188, 20601), (218,

20778), (231, 20841),

Gene: LeeLot_48 Start: 40382, Stop: 41713, Start Num: 45
Candidate Starts for LeeLot_48:
(Start: 35 @40343 has 29 MA's), (38, 40352), (Start: 45 @40382 has 158 MA's), (Start: 49 @40391 has 129 MA's), (Start: 55 @40403 has 12 MA's), (67, 40529), (69, 40571), (Start: 74 @40622 has 3 MA's), (81, 40691), (89, 40748), (110, 40862), (112, 40865), (141, 40952), (143, 40955), (156, 41039), (157, 41042), (160, 41057), (179, 41132), (192, 41207), (214, 41315), (228, 41393), (229, 41402), (250, 41462), (256, 41498), (271, 41546), (293, 41633),

Gene: Lego3393_47 Start: 40486, Stop: 41841, Start Num: 35
Candidate Starts for Lego3393_47:
(Start: 35 @40486 has 29 MA's), (38, 40495), (Start: 45 @40525 has 158 MA's), (Start: 49 @40534 has 129 MA's), (Start: 55 @40546 has 12 MA's), (Start: 56 @40552 has 81 MA's), (67, 40672), (69, 40714), (Start: 74 @40765 has 3 MA's), (85, 40879), (89, 40891), (110, 40993), (141, 41080), (143, 41083), (156, 41167), (160, 41185), (179, 41260), (192, 41335), (214, 41443), (228, 41521), (229, 41530), (250, 41590), (256, 41626), (271, 41674), (293, 41761),

Gene: Legolas_48 Start: 40124, Stop: 41431, Start Num: 49
Candidate Starts for Legolas_48:
(Start: 35 @40076 has 29 MA's), (38, 40085), (Start: 45 @40115 has 158 MA's), (Start: 49 @40124 has 129 MA's), (Start: 55 @40136 has 12 MA's), (Start: 56 @40142 has 81 MA's), (67, 40262), (69, 40304), (Start: 74 @40355 has 3 MA's), (85, 40469), (89, 40481), (110, 40583), (141, 40670), (143, 40673), (156, 40757), (160, 40775), (179, 40850), (192, 40925), (214, 41033), (228, 41111), (229, 41120), (250, 41180), (256, 41216), (271, 41264), (293, 41351),

Gene: Lehmann_48 Start: 39924, Stop: 41243, Start Num: 49
Candidate Starts for Lehmann_48:
(Start: 35 @39876 has 29 MA's), (38, 39885), (Start: 45 @39915 has 158 MA's), (Start: 49 @39924 has 129 MA's), (Start: 55 @39936 has 12 MA's), (67, 40062), (69, 40104), (Start: 74 @40155 has 3 MA's), (81, 40224), (89, 40281), (94, 40320), (110, 40395), (141, 40482), (143, 40485), (156, 40569), (157, 40572), (160, 40587), (179, 40662), (192, 40737), (214, 40845), (228, 40923), (229, 40932), (250, 40992), (256, 41028), (271, 41076), (293, 41163),

Gene: LeiMonet_48 Start: 40104, Stop: 41393, Start Num: 56
Candidate Starts for LeiMonet_48:
(Start: 35 @40038 has 29 MA's), (38, 40047), (Start: 45 @40077 has 158 MA's), (Start: 49 @40086 has 129 MA's), (Start: 55 @40098 has 12 MA's), (Start: 56 @40104 has 81 MA's), (67, 40224), (69, 40266), (Start: 74 @40317 has 3 MA's), (85, 40431), (89, 40443), (110, 40545), (141, 40632), (143, 40635), (156, 40719), (160, 40737), (179, 40812), (192, 40887), (214, 40995), (228, 41073), (229, 41082), (250, 41142), (256, 41178), (271, 41226), (293, 41313),

Gene: LemonSlice_48 Start: 40082, Stop: 41398, Start Num: 45
Candidate Starts for LemonSlice_48:
(Start: 35 @40043 has 29 MA's), (38, 40052), (Start: 45 @40082 has 158 MA's), (Start: 49 @40091 has 129 MA's), (Start: 55 @40103 has 12 MA's), (67, 40229), (69, 40271), (Start: 74 @40322 has 3 MA's), (85, 40436), (89, 40448), (110, 40550), (141, 40637), (143, 40640), (156, 40724), (160, 40742), (179, 40817), (192, 40892), (214, 41000), (228, 41078), (229, 41087), (250, 41147), (256, 41183), (271, 41231), (293, 41318),

Gene: Lemuria_28 Start: 25522, Stop: 26871, Start Num: 49
Candidate Starts for Lemuria_28:

(Start: 49 @25522 has 129 MA's), (Start: 55 @25537 has 12 MA's), (Start: 56 @25543 has 81 MA's), (69, 25705), (Start: 74 @25756 has 3 MA's), (79, 25798), (116, 26017), (145, 26128), (146, 26131), (167, 26236), (184, 26305), (221, 26524), (223, 26530), (229, 26563), (255, 26671), (260, 26689), (273, 26722), (301, 26833), (305, 26860),

Gene: Liefie_27 Start: 23884, Stop: 25200, Start Num: 48
Candidate Starts for Liefie_27:
(Start: 42 @23869 has 14 MA's), (Start: 48 @23884 has 59 MA's), (Start: 56 @23905 has 81 MA's), (67, 24025), (69, 24067), (Start: 74 @24118 has 3 MA's), (89, 24244), (116, 24367), (150, 24517), (210, 24784), (247, 24946), (270, 25033), (296, 25129), (308, 25192),

Gene: LilHazelnut_32 Start: 26981, Stop: 28339, Start Num: 39
Candidate Starts for LilHazelnut_32:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Lillie_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Lillie_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: LitninMcQueen_22 Start: 18659, Stop: 19951, Start Num: 44
Candidate Starts for LitninMcQueen_22:
(Start: 44 @18659 has 3 MA's), (Start: 51 @18674 has 5 MA's), (64, 18797), (85, 19040), (90, 19064), (99, 19115), (114, 19154), (138, 19220), (150, 19304), (156, 19319), (161, 19340), (164, 19346), (165, 19349), (172, 19379), (179, 19412), (196, 19511), (197, 19514), (199, 19532), (210, 19571), (214, 19589), (241, 19715), (244, 19724), (254, 19763), (263, 19790),

Gene: Longacauda_47 Start: 40105, Stop: 41394, Start Num: 56
Candidate Starts for Longacauda_47:
(Start: 35 @40039 has 29 MA's), (38, 40048), (Start: 45 @40078 has 158 MA's), (Start: 49 @40087 has 129 MA's), (Start: 55 @40099 has 12 MA's), (Start: 56 @40105 has 81 MA's), (67, 40225), (69, 40267), (Start: 74 @40318 has 3 MA's), (85, 40432), (89, 40444), (110, 40546), (141, 40633), (143, 40636), (156, 40720), (160, 40738), (179, 40813), (192, 40888), (214, 40996), (228, 41074), (229, 41083), (250, 41143), (256, 41179), (271, 41227), (293, 41314),

Gene: Lopsy_47 Start: 39931, Stop: 41259, Start Num: 45
Candidate Starts for Lopsy_47:
(Start: 35 @39892 has 29 MA's), (38, 39901), (Start: 45 @39931 has 158 MA's), (Start: 49 @39940 has 129 MA's), (Start: 55 @39952 has 12 MA's), (67, 40078), (69, 40120), (Start: 74 @40171 has 3 MA's), (81, 40240), (89, 40297), (110, 40411), (141, 40498), (143, 40501), (156, 40585), (157, 40588), (160, 40603), (179, 40678), (192, 40753), (214, 40861), (228, 40939), (229, 40948), (234, 40963), (250, 41008), (256, 41044), (271, 41092), (293, 41179),

Gene: LostAndPhound_47 Start: 40085, Stop: 41413, Start Num: 45
Candidate Starts for LostAndPhound_47:
(Start: 35 @40046 has 29 MA's), (38, 40055), (Start: 45 @40085 has 158 MA's), (Start: 49 @40094 has 129 MA's), (Start: 55 @40106 has 12 MA's), (67, 40232), (69, 40274), (Start: 74 @40325 has 3

MA's), (85, 40439), (89, 40451), (110, 40565), (141, 40652), (143, 40655), (156, 40739), (160, 40757), (179, 40832), (192, 40907), (214, 41015), (228, 41093), (229, 41102), (250, 41162), (256, 41198), (271, 41246), (293, 41333),

Gene: LouisV14_27 Start: 23870, Stop: 25201, Start Num: 42
Candidate Starts for LouisV14_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Lucky10_20 Start: 17297, Stop: 18589, Start Num: 44
Candidate Starts for Lucky10_20:
(Start: 35 @17261 has 29 MA's), (Start: 44 @17297 has 3 MA's), (Start: 51 @17312 has 5 MA's), (64, 17435), (85, 17678), (90, 17702), (99, 17753), (114, 17792), (150, 17942), (156, 17957), (165, 17987), (172, 18017), (179, 18050), (197, 18152), (199, 18170), (210, 18209), (214, 18227), (241, 18353), (244, 18362), (254, 18401), (263, 18428),

Gene: LuckyMarjie_47 Start: 40085, Stop: 41401, Start Num: 45
Candidate Starts for LuckyMarjie_47:
(Start: 35 @40046 has 29 MA's), (38, 40055), (Start: 45 @40085 has 158 MA's), (Start: 49 @40094 has 129 MA's), (Start: 55 @40106 has 12 MA's), (Start: 56 @40112 has 81 MA's), (67, 40232), (69, 40274), (Start: 74 @40325 has 3 MA's), (85, 40439), (89, 40451), (110, 40553), (141, 40640), (143, 40643), (156, 40727), (160, 40745), (179, 40820), (192, 40895), (214, 41003), (228, 41081), (229, 41090), (250, 41150), (256, 41186), (271, 41234), (293, 41321),

Gene: Luke_32 Start: 27086, Stop: 28294, Start Num: 63
Candidate Starts for Luke_32:
(Start: 39 @26936 has 13 MA's), (50, 26969), (Start: 63 @27086 has 10 MA's), (64, 27092), (76, 27227), (77, 27236), (87, 27329), (95, 27377), (115, 27446), (116, 27449), (119, 27461), (146, 27563), (147, 27566), (156, 27623), (167, 27668), (169, 27674), (170, 27677), (181, 27725), (184, 27737), (212, 27887), (214, 27902), (221, 27959), (223, 27965), (229, 27998), (232, 28010), (240, 28031), (247, 28052), (251, 28064), (255, 28091), (257, 28097), (260, 28109), (269, 28127), (274, 28145), (282, 28166), (284, 28172), (293, 28208), (302, 28253), (307, 28283), (308, 28286),

Gene: Lulumae_47 Start: 40097, Stop: 41386, Start Num: 56
Candidate Starts for Lulumae_47:
(Start: 35 @40031 has 29 MA's), (38, 40040), (Start: 45 @40070 has 158 MA's), (Start: 49 @40079 has 129 MA's), (Start: 55 @40091 has 12 MA's), (Start: 56 @40097 has 81 MA's), (67, 40217), (69, 40259), (Start: 74 @40310 has 3 MA's), (85, 40424), (89, 40436), (110, 40538), (141, 40625), (143, 40628), (156, 40712), (160, 40730), (179, 40805), (192, 40880), (214, 40988), (228, 41066), (229, 41075), (250, 41135), (256, 41171), (271, 41219), (293, 41306),

Gene: Lulwa_48 Start: 40324, Stop: 41679, Start Num: 35
Candidate Starts for Lulwa_48:
(Start: 35 @40324 has 29 MA's), (38, 40333), (Start: 45 @40363 has 158 MA's), (Start: 49 @40372 has 129 MA's), (Start: 55 @40384 has 12 MA's), (Start: 56 @40390 has 81 MA's), (67, 40510), (69, 40552), (Start: 74 @40603 has 3 MA's), (85, 40717), (89, 40729), (110, 40831), (141, 40918), (143, 40921), (156, 41005), (160, 41023), (179, 41098), (192, 41173), (214, 41281), (228, 41359), (229, 41368), (250, 41428), (256, 41464), (271, 41512), (293, 41599),

Gene: Lumine_47 Start: 40093, Stop: 41382, Start Num: 56
Candidate Starts for Lumine_47:

(Start: 35 @40027 has 29 MA's), (38, 40036), (Start: 45 @40066 has 158 MA's), (Start: 49 @40075 has 129 MA's), (Start: 55 @40087 has 12 MA's), (Start: 56 @40093 has 81 MA's), (67, 40213), (69, 40255), (Start: 74 @40306 has 3 MA's), (85, 40420), (89, 40432), (110, 40534), (141, 40621), (143, 40624), (156, 40708), (160, 40726), (179, 40801), (192, 40876), (214, 40984), (228, 41062), (229, 41071), (250, 41131), (256, 41167), (271, 41215), (293, 41302),

Gene: Luna22_31 Start: 27131, Stop: 28339, Start Num: 63
Candidate Starts for Luna22_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Luthien_13 Start: 6644, Stop: 7930, Start Num: 49
Candidate Starts for Luthien_13:
(Start: 49 @6644 has 129 MA's), (Start: 56 @6662 has 81 MA's), (59, 6716), (67, 6800), (69, 6842), (Start: 74 @6893 has 3 MA's), (85, 7007), (94, 7055), (103, 7106), (159, 7319), (164, 7334), (193, 7487), (226, 7664), (239, 7709), (243, 7727), (279, 7850), (281, 7862),

Gene: MRabcd_47 Start: 40076, Stop: 41392, Start Num: 45
Candidate Starts for MRabcd_47:
(Start: 35 @40037 has 29 MA's), (38, 40046), (Start: 45 @40076 has 158 MA's), (Start: 49 @40085 has 129 MA's), (Start: 55 @40097 has 12 MA's), (Start: 56 @40103 has 81 MA's), (67, 40223), (69, 40265), (Start: 74 @40316 has 3 MA's), (85, 40430), (89, 40442), (110, 40544), (141, 40631), (143, 40634), (156, 40718), (160, 40736), (179, 40811), (192, 40886), (205, 40949), (214, 40994), (228, 41072), (229, 41081), (250, 41141), (256, 41177), (271, 41225), (293, 41312),

Gene: MZKinsey_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for MZKinsey_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Madvan_13 Start: 6444, Stop: 7730, Start Num: 49
Candidate Starts for Madvan_13:
(Start: 45 @6435 has 158 MA's), (Start: 47 @6441 has 1 MA's), (Start: 49 @6444 has 129 MA's), (Start: 56 @6462 has 81 MA's), (Start: 74 @6693 has 3 MA's), (94, 6855), (103, 6906), (164, 7134), (166, 7149), (177, 7191), (193, 7287), (226, 7464), (239, 7509), (243, 7527), (279, 7650), (281, 7662),

Gene: Mag7_47 Start: 40012, Stop: 41316, Start Num: 56
Candidate Starts for Mag7_47:
(Start: 35 @39946 has 29 MA's), (38, 39955), (Start: 45 @39985 has 158 MA's), (Start: 49 @39994 has 129 MA's), (Start: 55 @40006 has 12 MA's), (Start: 56 @40012 has 81 MA's), (67, 40132), (69, 40174), (Start: 74 @40225 has 3 MA's), (89, 40351), (110, 40465), (112, 40468), (141, 40555), (143, 40558), (156, 40642), (157, 40645), (160, 40660), (179, 40735), (192, 40810), (214, 40918), (228, 40996), (229, 41005), (250, 41065), (256, 41101), (271, 41149), (293, 41236),

Gene: Magel_9 Start: 3518, Stop: 4801, Start Num: 49
Candidate Starts for Magel_9:
(Start: 49 @3518 has 129 MA's), (69, 3716), (Start: 74 @3767 has 3 MA's), (103, 3980), (122, 4025), (164, 4208), (187, 4307), (193, 4361), (216, 4487), (239, 4580), (266, 4676), (281, 4733),

Gene: Magic8_48 Start: 40447, Stop: 41751, Start Num: 56
Candidate Starts for Magic8_48:
(Start: 35 @40381 has 29 MA's), (38, 40390), (Start: 45 @40420 has 158 MA's), (Start: 49 @40429 has 129 MA's), (Start: 55 @40441 has 12 MA's), (Start: 56 @40447 has 81 MA's), (67, 40567), (69, 40609), (Start: 74 @40660 has 3 MA's), (89, 40786), (110, 40900), (112, 40903), (141, 40990), (143, 40993), (156, 41077), (157, 41080), (160, 41095), (179, 41170), (192, 41245), (214, 41353), (228, 41431), (229, 41440), (250, 41500), (256, 41536), (271, 41584), (293, 41671),

Gene: MajinBuu_13 Start: 6648, Stop: 7934, Start Num: 49
Candidate Starts for MajinBuu_13:
(Start: 49 @6648 has 129 MA's), (Start: 56 @6666 has 81 MA's), (67, 6804), (Start: 74 @6897 has 3 MA's), (85, 7011), (94, 7059), (103, 7110), (119, 7146), (121, 7152), (164, 7338), (166, 7353), (193, 7491), (226, 7668), (239, 7713), (243, 7731), (279, 7854), (281, 7866),

Gene: Maliketh_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Maliketh_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Mana_47 Start: 40085, Stop: 41401, Start Num: 45
Candidate Starts for Mana_47:
(Start: 35 @40046 has 29 MA's), (38, 40055), (Start: 45 @40085 has 158 MA's), (Start: 49 @40094 has 129 MA's), (Start: 55 @40106 has 12 MA's), (Start: 56 @40112 has 81 MA's), (67, 40232), (69, 40274), (Start: 74 @40325 has 3 MA's), (85, 40439), (89, 40451), (110, 40553), (141, 40640), (143, 40643), (156, 40727), (160, 40745), (179, 40820), (192, 40895), (214, 41003), (228, 41081), (229, 41090), (250, 41150), (256, 41186), (271, 41234), (293, 41321),

Gene: Manad_48 Start: 40333, Stop: 41661, Start Num: 45
Candidate Starts for Manad_48:
(Start: 35 @40294 has 29 MA's), (38, 40303), (Start: 45 @40333 has 158 MA's), (Start: 49 @40342 has 129 MA's), (Start: 55 @40354 has 12 MA's), (67, 40480), (69, 40522), (Start: 74 @40573 has 3 MA's), (81, 40642), (89, 40699), (110, 40813), (141, 40900), (143, 40903), (156, 40987), (157, 40990), (160, 41005), (179, 41080), (192, 41155), (214, 41263), (228, 41341), (229, 41350), (234, 41365), (250, 41410), (256, 41446), (271, 41494), (293, 41581),

Gene: Marmie_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Marmie_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Maru_47 Start: 40028, Stop: 41344, Start Num: 45
Candidate Starts for Maru_47:
(Start: 35 @39989 has 29 MA's), (38, 39998), (Start: 45 @40028 has 158 MA's), (Start: 49 @40037 has 129 MA's), (Start: 55 @40049 has 12 MA's), (Start: 56 @40055 has 81 MA's), (67, 40175), (69, 40217), (Start: 74 @40268 has 3 MA's), (85, 40382), (89, 40394), (110, 40496), (141, 40583), (143, 40586), (156, 40670), (160, 40688), (179, 40763), (192, 40838), (214, 40946), (228, 41024), (229, 41033), (250, 41093), (256, 41129), (271, 41177), (293, 41264),

Gene: Maselop_50 Start: 35727, Stop: 37070, Start Num: 49
Candidate Starts for Maselop_50:

(Start: 49 @35727 has 129 MA's), (69, 35925), (71, 35955), (73, 35967), (79, 36006), (85, 36078), (104, 36156), (125, 36198), (126, 36207), (154, 36330), (156, 36333), (165, 36363), (180, 36432), (188, 36480), (219, 36663), (226, 36696), (233, 36726), (237, 36738), (265, 36846), (279, 36891), (300, 36996),

Gene: Maskar_48 Start: 40093, Stop: 41382, Start Num: 56
Candidate Starts for Maskar_48:
(Start: 35 @40027 has 29 MA's), (38, 40036), (Start: 45 @40066 has 158 MA's), (Start: 49 @40075 has 129 MA's), (Start: 55 @40087 has 12 MA's), (Start: 56 @40093 has 81 MA's), (67, 40213), (69, 40255), (Start: 74 @40306 has 3 MA's), (85, 40420), (89, 40432), (110, 40534), (141, 40621), (143, 40624), (156, 40708), (160, 40726), (179, 40801), (192, 40876), (214, 40984), (228, 41062), (229, 41071), (250, 41131), (256, 41167), (271, 41215), (293, 41302),

Gene: Matalotodo_48 Start: 40401, Stop: 41696, Start Num: 55
Candidate Starts for Matalotodo_48:
(Start: 35 @40341 has 29 MA's), (38, 40350), (Start: 45 @40380 has 158 MA's), (Start: 49 @40389 has 129 MA's), (Start: 55 @40401 has 12 MA's), (67, 40527), (69, 40569), (Start: 74 @40620 has 3 MA's), (85, 40734), (89, 40746), (110, 40848), (141, 40935), (143, 40938), (156, 41022), (160, 41040), (179, 41115), (192, 41190), (214, 41298), (228, 41376), (229, 41385), (250, 41445), (256, 41481), (271, 41529), (293, 41616),

Gene: Mbo4_19 Start: 17568, Stop: 18866, Start Num: 49
Candidate Starts for Mbo4_19:
(43, 17553), (Start: 49 @17568 has 129 MA's), (Start: 55 @17583 has 12 MA's), (62, 17646), (Start: 74 @17814 has 3 MA's), (77, 17826), (79, 17844), (85, 17925), (89, 17937), (112, 18045), (123, 18072), (156, 18222), (198, 18429), (202, 18450), (219, 18552), (230, 18600), (265, 18711), (283, 18774),

Gene: Mcshane_47 Start: 40077, Stop: 41393, Start Num: 45
Candidate Starts for Mcshane_47:
(Start: 35 @40038 has 29 MA's), (38, 40047), (Start: 45 @40077 has 158 MA's), (Start: 49 @40086 has 129 MA's), (Start: 55 @40098 has 12 MA's), (Start: 56 @40104 has 81 MA's), (67, 40224), (69, 40266), (Start: 74 @40317 has 3 MA's), (85, 40431), (89, 40443), (110, 40545), (141, 40632), (143, 40635), (156, 40719), (160, 40737), (179, 40812), (192, 40887), (214, 40995), (228, 41073), (229, 41082), (250, 41142), (256, 41178), (271, 41226), (293, 41313),

Gene: Mecca_47 Start: 40083, Stop: 41399, Start Num: 45
Candidate Starts for Mecca_47:
(Start: 35 @40044 has 29 MA's), (38, 40053), (Start: 45 @40083 has 158 MA's), (Start: 49 @40092 has 129 MA's), (Start: 55 @40104 has 12 MA's), (Start: 56 @40110 has 81 MA's), (67, 40230), (69, 40272), (Start: 74 @40323 has 3 MA's), (85, 40437), (89, 40449), (110, 40551), (141, 40638), (143, 40641), (156, 40725), (160, 40743), (179, 40818), (192, 40893), (214, 41001), (228, 41079), (229, 41088), (250, 41148), (256, 41184), (271, 41232), (293, 41319),

Gene: Megamind20_48 Start: 40114, Stop: 41421, Start Num: 49
Candidate Starts for Megamind20_48:
(Start: 35 @40066 has 29 MA's), (38, 40075), (Start: 45 @40105 has 158 MA's), (Start: 49 @40114 has 129 MA's), (Start: 55 @40126 has 12 MA's), (67, 40252), (69, 40294), (Start: 74 @40345 has 3 MA's), (85, 40459), (89, 40471), (110, 40573), (141, 40660), (143, 40663), (156, 40747), (160, 40765), (179, 40840), (192, 40915), (214, 41023), (228, 41101), (229, 41110), (250, 41170), (256, 41206), (271, 41254), (293, 41341),

Gene: Megatron_49 Start: 40513, Stop: 41829, Start Num: 45
Candidate Starts for Megatron_49:

(Start: 35 @40474 has 29 MA's), (38, 40483), (Start: 45 @40513 has 158 MA's), (Start: 49 @40522 has 129 MA's), (Start: 55 @40534 has 12 MA's), (Start: 56 @40540 has 81 MA's), (67, 40660), (69, 40702), (Start: 74 @40753 has 3 MA's), (85, 40867), (89, 40879), (110, 40981), (141, 41068), (143, 41071), (156, 41155), (160, 41173), (179, 41248), (192, 41323), (214, 41431), (228, 41509), (229, 41518), (250, 41578), (256, 41614), (271, 41662), (293, 41749),

Gene: Melc17_48 Start: 40384, Stop: 41691, Start Num: 49
Candidate Starts for Melc17_48:
(Start: 35 @40336 has 29 MA's), (38, 40345), (Start: 45 @40375 has 158 MA's), (Start: 49 @40384 has 129 MA's), (Start: 55 @40396 has 12 MA's), (Start: 56 @40402 has 81 MA's), (67, 40522), (69, 40564), (Start: 74 @40615 has 3 MA's), (85, 40729), (89, 40741), (110, 40843), (141, 40930), (143, 40933), (156, 41017), (157, 41020), (160, 41035), (179, 41110), (192, 41185), (214, 41293), (228, 41371), (229, 41380), (234, 41395), (250, 41440), (256, 41476), (271, 41524), (293, 41611),

Gene: MelsMeow_48 Start: 40143, Stop: 41432, Start Num: 56
Candidate Starts for MelsMeow_48:
(Start: 35 @40077 has 29 MA's), (38, 40086), (Start: 45 @40116 has 158 MA's), (Start: 49 @40125 has 129 MA's), (Start: 55 @40137 has 12 MA's), (Start: 56 @40143 has 81 MA's), (67, 40263), (69, 40305), (Start: 74 @40356 has 3 MA's), (85, 40470), (89, 40482), (110, 40584), (141, 40671), (143, 40674), (156, 40758), (160, 40776), (179, 40851), (192, 40926), (205, 40989), (214, 41034), (228, 41112), (229, 41121), (250, 41181), (256, 41217), (271, 41265), (293, 41352),

Gene: Mercurio_29 Start: 26072, Stop: 27397, Start Num: 48
Candidate Starts for Mercurio_29:
(Start: 48 @26072 has 59 MA's), (Start: 56 @26093 has 81 MA's), (61, 26147), (67, 26213), (69, 26255), (Start: 74 @26306 has 3 MA's), (79, 26348), (83, 26408), (116, 26567), (161, 26753), (195, 26921), (247, 27149), (255, 27182), (268, 27224), (297, 27341), (302, 27356), (305, 27380), (307, 27386),

Gene: Mesh1_48 Start: 40392, Stop: 41708, Start Num: 45
Candidate Starts for Mesh1_48:
(Start: 35 @40353 has 29 MA's), (38, 40362), (Start: 45 @40392 has 158 MA's), (Start: 49 @40401 has 129 MA's), (Start: 55 @40413 has 12 MA's), (67, 40539), (69, 40581), (Start: 74 @40632 has 3 MA's), (85, 40746), (89, 40758), (110, 40860), (141, 40947), (143, 40950), (156, 41034), (160, 41052), (179, 41127), (192, 41202), (214, 41310), (228, 41388), (229, 41397), (250, 41457), (256, 41493), (271, 41541), (293, 41628),

Gene: Mesmerelda_47 Start: 40087, Stop: 41403, Start Num: 45
Candidate Starts for Mesmerelda_47:
(Start: 35 @40048 has 29 MA's), (38, 40057), (Start: 45 @40087 has 158 MA's), (Start: 49 @40096 has 129 MA's), (Start: 55 @40108 has 12 MA's), (Start: 56 @40114 has 81 MA's), (67, 40234), (69, 40276), (Start: 74 @40327 has 3 MA's), (85, 40441), (89, 40453), (110, 40555), (141, 40642), (143, 40645), (156, 40729), (160, 40747), (179, 40822), (192, 40897), (214, 41005), (228, 41083), (229, 41092), (250, 41152), (256, 41188), (271, 41236), (293, 41323),

Gene: MichaelPhcott_47 Start: 39991, Stop: 41313, Start Num: 49
Candidate Starts for MichaelPhcott_47:
(Start: 35 @39943 has 29 MA's), (38, 39952), (Start: 45 @39982 has 158 MA's), (Start: 49 @39991 has 129 MA's), (Start: 55 @40003 has 12 MA's), (Start: 56 @40009 has 81 MA's), (67, 40129), (69, 40171), (Start: 74 @40222 has 3 MA's), (89, 40348), (110, 40462), (112, 40465), (141, 40552), (143, 40555), (156, 40639), (157, 40642), (160, 40657), (179, 40732), (192, 40807), (214, 40915), (228, 40993), (229, 41002), (250, 41062), (256, 41098), (271, 41146), (293, 41233),

Gene: Mikota_48 Start: 40363, Stop: 41679, Start Num: 45
Candidate Starts for Mikota_48:
(Start: 35 @40324 has 29 MA's), (38, 40333), (Start: 45 @40363 has 158 MA's), (Start: 49 @40372 has 129 MA's), (Start: 55 @40384 has 12 MA's), (Start: 56 @40390 has 81 MA's), (67, 40510), (69, 40552), (Start: 74 @40603 has 3 MA's), (85, 40717), (89, 40729), (110, 40831), (141, 40918), (143, 40921), (156, 41005), (160, 41023), (179, 41098), (192, 41173), (214, 41281), (228, 41359), (229, 41368), (250, 41428), (256, 41464), (271, 41512), (293, 41599),

Gene: MiniBoss_48 Start: 40330, Stop: 41685, Start Num: 35
Candidate Starts for MiniBoss_48:
(Start: 35 @40330 has 29 MA's), (38, 40339), (Start: 45 @40369 has 158 MA's), (Start: 49 @40378 has 129 MA's), (Start: 55 @40390 has 12 MA's), (67, 40516), (69, 40558), (Start: 74 @40609 has 3 MA's), (85, 40723), (89, 40735), (110, 40837), (141, 40924), (143, 40927), (156, 41011), (160, 41029), (179, 41104), (192, 41179), (205, 41242), (214, 41287), (228, 41365), (229, 41374), (250, 41434), (256, 41470), (271, 41518), (293, 41605),

Gene: MitKao_48 Start: 40083, Stop: 41411, Start Num: 45
Candidate Starts for MitKao_48:
(Start: 35 @40044 has 29 MA's), (38, 40053), (Start: 45 @40083 has 158 MA's), (Start: 49 @40092 has 129 MA's), (Start: 55 @40104 has 12 MA's), (67, 40230), (69, 40272), (Start: 74 @40323 has 3 MA's), (85, 40437), (89, 40449), (110, 40563), (141, 40650), (143, 40653), (156, 40737), (160, 40755), (179, 40830), (192, 40905), (214, 41013), (228, 41091), (229, 41100), (250, 41160), (256, 41196), (271, 41244), (293, 41331),

Gene: Morgushi_48 Start: 40111, Stop: 41400, Start Num: 56
Candidate Starts for Morgushi_48:
(Start: 35 @40045 has 29 MA's), (38, 40054), (Start: 45 @40084 has 158 MA's), (Start: 49 @40093 has 129 MA's), (Start: 55 @40105 has 12 MA's), (Start: 56 @40111 has 81 MA's), (67, 40231), (69, 40273), (Start: 74 @40324 has 3 MA's), (85, 40438), (89, 40450), (110, 40552), (141, 40639), (143, 40642), (156, 40726), (160, 40744), (179, 40819), (192, 40894), (205, 40957), (214, 41002), (228, 41080), (229, 41089), (250, 41149), (256, 41185), (271, 41233), (293, 41320),

Gene: Morty_49 Start: 40522, Stop: 41838, Start Num: 45
Candidate Starts for Morty_49:
(Start: 35 @40483 has 29 MA's), (38, 40492), (Start: 45 @40522 has 158 MA's), (Start: 49 @40531 has 129 MA's), (Start: 55 @40543 has 12 MA's), (Start: 56 @40549 has 81 MA's), (67, 40669), (69, 40711), (Start: 74 @40762 has 3 MA's), (85, 40876), (89, 40888), (110, 40990), (141, 41077), (143, 41080), (156, 41164), (160, 41182), (179, 41257), (192, 41332), (214, 41440), (228, 41518), (229, 41527), (250, 41587), (256, 41623), (271, 41671), (293, 41758),

Gene: Mosaic_47 Start: 40077, Stop: 41405, Start Num: 45
Candidate Starts for Mosaic_47:
(Start: 35 @40038 has 29 MA's), (38, 40047), (Start: 45 @40077 has 158 MA's), (Start: 49 @40086 has 129 MA's), (Start: 55 @40098 has 12 MA's), (67, 40224), (69, 40266), (Start: 74 @40317 has 3 MA's), (85, 40431), (89, 40443), (110, 40557), (141, 40644), (143, 40647), (156, 40731), (160, 40749), (179, 40824), (192, 40899), (214, 41007), (228, 41085), (229, 41094), (250, 41154), (256, 41190), (271, 41238), (293, 41325),

Gene: Mossy_10 Start: 4506, Stop: 5792, Start Num: 49
Candidate Starts for Mossy_10:
(Start: 44 @4494 has 3 MA's), (Start: 45 @4497 has 158 MA's), (Start: 47 @4503 has 1 MA's), (Start: 49 @4506 has 129 MA's), (Start: 56 @4524 has 81 MA's), (Start: 74 @4755 has 3 MA's), (77, 4779), (94, 4917), (103, 4968), (121, 5010), (122, 5013), (164, 5196), (177, 5253), (193, 5349), (226, 5526),

(239, 5571), (243, 5589), (289, 5763),

Gene: Mowgli_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Mowgli_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: MrPhizzler_48 Start: 40113, Stop: 41402, Start Num: 56
Candidate Starts for MrPhizzler_48:
(Start: 35 @40047 has 29 MA's), (38, 40056), (Start: 45 @40086 has 158 MA's), (Start: 49 @40095 has 129 MA's), (Start: 55 @40107 has 12 MA's), (Start: 56 @40113 has 81 MA's), (67, 40233), (69, 40275), (Start: 74 @40326 has 3 MA's), (85, 40440), (89, 40452), (110, 40554), (141, 40641), (143, 40644), (156, 40728), (160, 40746), (179, 40821), (192, 40896), (214, 41004), (228, 41082), (229, 41091), (250, 41151), (256, 41187), (271, 41235), (293, 41322),

Gene: Mulan_48 Start: 40266, Stop: 41555, Start Num: 56
Candidate Starts for Mulan_48:
(Start: 35 @40200 has 29 MA's), (38, 40209), (Start: 45 @40239 has 158 MA's), (Start: 49 @40248 has 129 MA's), (Start: 55 @40260 has 12 MA's), (Start: 56 @40266 has 81 MA's), (67, 40386), (69, 40428), (Start: 74 @40479 has 3 MA's), (85, 40593), (89, 40605), (110, 40707), (141, 40794), (143, 40797), (156, 40881), (160, 40899), (179, 40974), (192, 41049), (214, 41157), (228, 41235), (229, 41244), (250, 41304), (256, 41340), (271, 41388), (293, 41475),

Gene: Murdoc_48 Start: 40370, Stop: 41686, Start Num: 45
Candidate Starts for Murdoc_48:
(Start: 35 @40331 has 29 MA's), (38, 40340), (Start: 45 @40370 has 158 MA's), (Start: 49 @40379 has 129 MA's), (Start: 55 @40391 has 12 MA's), (Start: 56 @40397 has 81 MA's), (67, 40517), (69, 40559), (Start: 74 @40610 has 3 MA's), (85, 40724), (89, 40736), (110, 40838), (141, 40925), (143, 40928), (156, 41012), (160, 41030), (179, 41105), (192, 41180), (214, 41288), (228, 41366), (229, 41375), (234, 41390), (250, 41435), (256, 41471), (271, 41519), (293, 41606),

Gene: Mutante_47 Start: 40116, Stop: 41405, Start Num: 56
Candidate Starts for Mutante_47:
(Start: 35 @40050 has 29 MA's), (38, 40059), (Start: 45 @40089 has 158 MA's), (Start: 49 @40098 has 129 MA's), (Start: 55 @40110 has 12 MA's), (Start: 56 @40116 has 81 MA's), (67, 40236), (69, 40278), (Start: 74 @40329 has 3 MA's), (85, 40443), (89, 40455), (110, 40557), (141, 40644), (143, 40647), (156, 40731), (160, 40749), (179, 40824), (192, 40899), (214, 41007), (228, 41085), (229, 41094), (250, 41154), (256, 41190), (271, 41238), (293, 41325),

Gene: Mysticmoon_10 Start: 4209, Stop: 5498, Start Num: 49
Candidate Starts for Mysticmoon_10:
(Start: 46 @4203 has 1 MA's), (Start: 49 @4209 has 129 MA's), (Start: 74 @4458 has 3 MA's), (103, 4671), (129, 4740), (164, 4899), (169, 4923), (177, 4956), (193, 5052), (239, 5277), (249, 5310), (266, 5373), (281, 5430), (283, 5439), (288, 5460),

Gene: Nacho_0049 Start: 40516, Stop: 41832, Start Num: 45
Candidate Starts for Nacho_0049:
(Start: 35 @40477 has 29 MA's), (38, 40486), (Start: 45 @40516 has 158 MA's), (Start: 49 @40525 has 129 MA's), (Start: 55 @40537 has 12 MA's), (Start: 56 @40543 has 81 MA's), (67, 40663), (69, 40705), (Start: 74 @40756 has 3 MA's), (85, 40870), (89, 40882), (110, 40984), (141, 41071), (143, 41074), (156, 41158), (160, 41176), (179, 41251), (192, 41326), (205, 41389), (214, 41434), (228, 41512), (229, 41521), (234, 41536), (250, 41581), (256, 41617), (271, 41665), (293, 41752),

Gene: Nadmeg_13 Start: 6445, Stop: 7731, Start Num: 49
Candidate Starts for Nadmeg_13:
(Start: 44 @6433 has 3 MA's), (Start: 45 @6436 has 158 MA's), (Start: 47 @6442 has 1 MA's), (Start: 49 @6445 has 129 MA's), (Start: 56 @6463 has 81 MA's), (Start: 74 @6694 has 3 MA's), (94, 6856), (103, 6907), (105, 6910), (121, 6949), (164, 7135), (166, 7150), (193, 7288), (226, 7465), (239, 7510), (243, 7528), (279, 7651), (281, 7663), (289, 7702),

Gene: Naiad_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Naiad_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Nancinator_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Nancinator_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Nathan_48 Start: 40414, Stop: 41730, Start Num: 45
Candidate Starts for Nathan_48:
(Start: 35 @40375 has 29 MA's), (38, 40384), (Start: 45 @40414 has 158 MA's), (Start: 49 @40423 has 129 MA's), (Start: 55 @40435 has 12 MA's), (Start: 56 @40441 has 81 MA's), (67, 40561), (69, 40603), (Start: 74 @40654 has 3 MA's), (85, 40768), (89, 40780), (110, 40882), (141, 40969), (143, 40972), (156, 41056), (160, 41074), (179, 41149), (192, 41224), (214, 41332), (228, 41410), (229, 41419), (250, 41479), (256, 41515), (271, 41563), (293, 41650),

Gene: Natosaleda_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Natosaleda_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Nehme_47 Start: 40140, Stop: 41444, Start Num: 56
Candidate Starts for Nehme_47:
(Start: 35 @40074 has 29 MA's), (38, 40083), (Start: 45 @40113 has 158 MA's), (Start: 49 @40122 has 129 MA's), (Start: 55 @40134 has 12 MA's), (Start: 56 @40140 has 81 MA's), (67, 40260), (69, 40302), (Start: 74 @40353 has 3 MA's), (89, 40479), (110, 40593), (112, 40596), (141, 40683), (143, 40686), (156, 40770), (157, 40773), (160, 40788), (179, 40863), (192, 40938), (214, 41046), (228, 41124), (229, 41133), (250, 41193), (256, 41229), (271, 41277), (293, 41364),

Gene: Neoh_27 Start: 23877, Stop: 25193, Start Num: 48
Candidate Starts for Neoh_27:
(Start: 42 @23862 has 14 MA's), (Start: 48 @23877 has 59 MA's), (Start: 56 @23898 has 81 MA's), (67, 24018), (69, 24060), (Start: 74 @24111 has 3 MA's), (89, 24237), (116, 24360), (150, 24510), (210, 24777), (247, 24939), (270, 25026), (296, 25122), (308, 25185),

Gene: Newman_48 Start: 40375, Stop: 41703, Start Num: 45
Candidate Starts for Newman_48:
(Start: 35 @40336 has 29 MA's), (38, 40345), (Start: 45 @40375 has 158 MA's), (Start: 49 @40384 has 129 MA's), (Start: 55 @40396 has 12 MA's), (67, 40522), (69, 40564), (Start: 74 @40615 has 3 MA's), (81, 40684), (89, 40741), (110, 40855), (141, 40942), (143, 40945), (156, 41029), (160, 41047),

(179, 41122), (192, 41197), (205, 41260), (214, 41305), (228, 41383), (229, 41392), (250, 41452), (256, 41488), (271, 41536), (293, 41623),

Gene: NiaNia_51 Start: 40067, Stop: 41422, Start Num: 35
Candidate Starts for NiaNia_51:
(Start: 35 @40067 has 29 MA's), (38, 40076), (Start: 45 @40106 has 158 MA's), (Start: 49 @40115 has 129 MA's), (Start: 55 @40127 has 12 MA's), (Start: 56 @40133 has 81 MA's), (67, 40253), (69, 40295), (Start: 74 @40346 has 3 MA's), (85, 40460), (89, 40472), (110, 40574), (141, 40661), (143, 40664), (156, 40748), (160, 40766), (179, 40841), (192, 40916), (214, 41024), (228, 41102), (229, 41111), (250, 41171), (256, 41207), (271, 41255), (293, 41342),

Gene: Nicole21_48 Start: 40376, Stop: 41707, Start Num: 45
Candidate Starts for Nicole21_48:
(Start: 35 @40337 has 29 MA's), (38, 40346), (Start: 45 @40376 has 158 MA's), (Start: 49 @40385 has 129 MA's), (Start: 55 @40397 has 12 MA's), (Start: 56 @40403 has 81 MA's), (67, 40523), (69, 40565), (Start: 74 @40616 has 3 MA's), (89, 40742), (110, 40856), (112, 40859), (141, 40946), (143, 40949), (156, 41033), (157, 41036), (160, 41051), (179, 41126), (192, 41201), (214, 41309), (228, 41387), (229, 41396), (250, 41456), (256, 41492), (271, 41540), (293, 41627),

Gene: Nithya_13 Start: 6643, Stop: 7929, Start Num: 49
Candidate Starts for Nithya_13:
(Start: 49 @6643 has 129 MA's), (Start: 56 @6661 has 81 MA's), (59, 6715), (67, 6799), (69, 6841), (Start: 74 @6892 has 3 MA's), (85, 7006), (94, 7054), (103, 7105), (159, 7318), (164, 7333), (193, 7486), (226, 7663), (239, 7708), (243, 7726), (279, 7849), (281, 7861),

Gene: NoPickles_9 Start: 3518, Stop: 4801, Start Num: 49
Candidate Starts for NoPickles_9:
(Start: 49 @3518 has 129 MA's), (69, 3716), (Start: 74 @3767 has 3 MA's), (103, 3980), (122, 4025), (164, 4208), (187, 4307), (193, 4361), (216, 4487), (239, 4580), (266, 4676), (281, 4733),

Gene: Nova1_48 Start: 40029, Stop: 41345, Start Num: 45
Candidate Starts for Nova1_48:
(Start: 35 @39990 has 29 MA's), (38, 39999), (Start: 45 @40029 has 158 MA's), (Start: 49 @40038 has 129 MA's), (Start: 55 @40050 has 12 MA's), (Start: 56 @40056 has 81 MA's), (67, 40176), (69, 40218), (Start: 74 @40269 has 3 MA's), (85, 40383), (89, 40395), (110, 40497), (141, 40584), (143, 40587), (156, 40671), (160, 40689), (179, 40764), (192, 40839), (205, 40902), (214, 40947), (228, 41025), (229, 41034), (250, 41094), (256, 41130), (271, 41178), (293, 41265),

Gene: Numberten_48 Start: 40382, Stop: 41698, Start Num: 45
Candidate Starts for Numberten_48:
(Start: 35 @40343 has 29 MA's), (38, 40352), (Start: 45 @40382 has 158 MA's), (Start: 49 @40391 has 129 MA's), (Start: 55 @40403 has 12 MA's), (Start: 56 @40409 has 81 MA's), (67, 40529), (69, 40571), (Start: 74 @40622 has 3 MA's), (85, 40736), (89, 40748), (110, 40850), (141, 40937), (143, 40940), (156, 41024), (160, 41042), (179, 41117), (192, 41192), (214, 41300), (228, 41378), (229, 41387), (250, 41447), (256, 41483), (271, 41531), (293, 41618),

Gene: Nyala_47 Start: 40108, Stop: 41397, Start Num: 56
Candidate Starts for Nyala_47:
(Start: 35 @40042 has 29 MA's), (38, 40051), (Start: 45 @40081 has 158 MA's), (Start: 49 @40090 has 129 MA's), (Start: 55 @40102 has 12 MA's), (Start: 56 @40108 has 81 MA's), (67, 40228), (69, 40270), (Start: 74 @40321 has 3 MA's), (85, 40435), (89, 40447), (110, 40549), (141, 40636), (143, 40639), (156, 40723), (160, 40741), (179, 40816), (192, 40891), (214, 40999), (228, 41077), (229, 41086), (250, 41146), (256, 41182), (271, 41230), (293, 41317),

Gene: OBUpride_32 Start: 26975, Stop: 28333, Start Num: 39
Candidate Starts for OBUpride_32:
(Start: 39 @26975 has 13 MA's), (50, 27008), (Start: 63 @27125 has 10 MA's), (64, 27131), (76, 27266), (77, 27275), (87, 27368), (95, 27416), (115, 27485), (116, 27488), (119, 27500), (146, 27602), (147, 27605), (156, 27662), (167, 27707), (169, 27713), (170, 27716), (181, 27764), (184, 27776), (212, 27926), (214, 27941), (221, 27998), (223, 28004), (229, 28037), (232, 28049), (240, 28070), (247, 28091), (251, 28103), (255, 28130), (257, 28136), (260, 28148), (269, 28166), (274, 28184), (282, 28205), (284, 28211), (293, 28247), (302, 28292), (307, 28322), (308, 28325),

Gene: OSmaximus_49 Start: 40555, Stop: 41871, Start Num: 45
Candidate Starts for OSmaximus_49:
(Start: 35 @40516 has 29 MA's), (38, 40525), (Start: 45 @40555 has 158 MA's), (Start: 49 @40564 has 129 MA's), (Start: 55 @40576 has 12 MA's), (Start: 56 @40582 has 81 MA's), (67, 40702), (69, 40744), (Start: 74 @40795 has 3 MA's), (85, 40909), (89, 40921), (110, 41023), (141, 41110), (143, 41113), (156, 41197), (160, 41215), (179, 41290), (192, 41365), (214, 41473), (228, 41551), (229, 41560), (250, 41620), (256, 41656), (271, 41704), (293, 41791),

Gene: OctaviousRex_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for OctaviousRex_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Odesza_9 Start: 3518, Stop: 4801, Start Num: 49
Candidate Starts for Odesza_9:
(Start: 49 @3518 has 129 MA's), (69, 3716), (Start: 74 @3767 has 3 MA's), (103, 3980), (122, 4025), (164, 4208), (187, 4307), (193, 4361), (216, 4487), (239, 4580), (266, 4676), (281, 4733),

Gene: OhMyWard_13 Start: 6444, Stop: 7730, Start Num: 49
Candidate Starts for OhMyWard_13:
(Start: 47 @6441 has 1 MA's), (Start: 49 @6444 has 129 MA's), (Start: 56 @6462 has 81 MA's), (59, 6516), (69, 6642), (Start: 74 @6693 has 3 MA's), (103, 6906), (119, 6942), (121, 6948), (164, 7134), (166, 7149), (177, 7191), (193, 7287), (226, 7464), (239, 7509), (243, 7527),

Gene: Olak_47 Start: 40084, Stop: 41400, Start Num: 45
Candidate Starts for Olak_47:
(Start: 35 @40045 has 29 MA's), (38, 40054), (Start: 45 @40084 has 158 MA's), (Start: 49 @40093 has 129 MA's), (Start: 55 @40105 has 12 MA's), (Start: 56 @40111 has 81 MA's), (67, 40231), (69, 40273), (Start: 74 @40324 has 3 MA's), (85, 40438), (89, 40450), (110, 40552), (141, 40639), (143, 40642), (156, 40726), (160, 40744), (179, 40819), (192, 40894), (214, 41002), (228, 41080), (229, 41089), (250, 41149), (256, 41185), (271, 41233), (293, 41320),

Gene: Olga_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Olga_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: OlgasClover_13 Start: 6644, Stop: 7930, Start Num: 49
Candidate Starts for OlgasClover_13:
(Start: 49 @6644 has 129 MA's), (Start: 56 @6662 has 81 MA's), (59, 6716), (67, 6800), (Start: 74 @6893 has 3 MA's), (85, 7007), (94, 7055), (103, 7106), (119, 7142), (121, 7148), (164, 7334), (166,

7349), (193, 7487), (226, 7664), (239, 7709), (243, 7727), (279, 7850), (281, 7862),

Gene: Oline_47 Start: 39965, Stop: 41260, Start Num: 55
Candidate Starts for Oline_47:
(Start: 35 @39905 has 29 MA's), (38, 39914), (Start: 45 @39944 has 158 MA's), (Start: 49 @39953 has 129 MA's), (Start: 55 @39965 has 12 MA's), (Start: 56 @39971 has 81 MA's), (67, 40091), (69, 40133), (Start: 74 @40184 has 3 MA's), (85, 40298), (89, 40310), (110, 40412), (141, 40499), (143, 40502), (156, 40586), (160, 40604), (179, 40679), (192, 40754), (214, 40862), (228, 40940), (229, 40949), (250, 41009), (256, 41045), (271, 41093), (293, 41180),

Gene: Olive_48 Start: 40371, Stop: 41687, Start Num: 45
Candidate Starts for Olive_48:
(Start: 35 @40332 has 29 MA's), (38, 40341), (Start: 45 @40371 has 158 MA's), (Start: 49 @40380 has 129 MA's), (Start: 55 @40392 has 12 MA's), (Start: 56 @40398 has 81 MA's), (67, 40518), (69, 40560), (Start: 74 @40611 has 3 MA's), (85, 40725), (89, 40737), (110, 40839), (141, 40926), (143, 40929), (156, 41013), (160, 41031), (179, 41106), (192, 41181), (214, 41289), (228, 41367), (229, 41376), (250, 41436), (256, 41472), (271, 41520), (293, 41607),

Gene: OliverWalter_48 Start: 40420, Stop: 41709, Start Num: 56
Candidate Starts for OliverWalter_48:
(Start: 35 @40354 has 29 MA's), (38, 40363), (Start: 45 @40393 has 158 MA's), (Start: 49 @40402 has 129 MA's), (Start: 55 @40414 has 12 MA's), (Start: 56 @40420 has 81 MA's), (67, 40540), (69, 40582), (Start: 74 @40633 has 3 MA's), (85, 40747), (89, 40759), (110, 40861), (141, 40948), (143, 40951), (156, 41035), (157, 41038), (160, 41053), (179, 41128), (192, 41203), (214, 41311), (228, 41389), (229, 41398), (234, 41413), (250, 41458), (256, 41494), (271, 41542), (293, 41629),

Gene: Omniscient_48 Start: 40390, Stop: 41706, Start Num: 45
Candidate Starts for Omniscient_48:
(Start: 35 @40351 has 29 MA's), (38, 40360), (Start: 45 @40390 has 158 MA's), (Start: 49 @40399 has 129 MA's), (Start: 55 @40411 has 12 MA's), (Start: 56 @40417 has 81 MA's), (67, 40537), (69, 40579), (Start: 74 @40630 has 3 MA's), (85, 40744), (89, 40756), (110, 40858), (141, 40945), (143, 40948), (156, 41032), (160, 41050), (179, 41125), (192, 41200), (214, 41308), (228, 41386), (229, 41395), (250, 41455), (256, 41491), (271, 41539), (293, 41626),

Gene: OneBrain_49 Start: 40083, Stop: 41399, Start Num: 45
Candidate Starts for OneBrain_49:
(Start: 35 @40044 has 29 MA's), (38, 40053), (Start: 45 @40083 has 158 MA's), (Start: 49 @40092 has 129 MA's), (Start: 55 @40104 has 12 MA's), (Start: 56 @40110 has 81 MA's), (67, 40230), (69, 40272), (Start: 74 @40323 has 3 MA's), (85, 40437), (89, 40449), (110, 40551), (141, 40638), (143, 40641), (156, 40725), (160, 40743), (179, 40818), (192, 40893), (214, 41001), (228, 41079), (229, 41088), (250, 41148), (256, 41184), (271, 41232), (293, 41319),

Gene: Oosterbaan_48 Start: 40378, Stop: 41694, Start Num: 45
Candidate Starts for Oosterbaan_48:
(Start: 35 @40339 has 29 MA's), (38, 40348), (Start: 45 @40378 has 158 MA's), (Start: 49 @40387 has 129 MA's), (Start: 55 @40399 has 12 MA's), (Start: 56 @40405 has 81 MA's), (67, 40525), (69, 40567), (Start: 74 @40618 has 3 MA's), (85, 40732), (89, 40744), (110, 40846), (141, 40933), (143, 40936), (156, 41020), (157, 41023), (160, 41038), (179, 41113), (192, 41188), (214, 41296), (228, 41374), (229, 41383), (250, 41443), (256, 41479), (271, 41527), (293, 41614),

Gene: Orfeu_47 Start: 40077, Stop: 41393, Start Num: 45
Candidate Starts for Orfeu_47:

(Start: 35 @40038 has 29 MA's), (38, 40047), (Start: 45 @40077 has 158 MA's), (Start: 49 @40086 has 129 MA's), (Start: 55 @40098 has 12 MA's), (Start: 56 @40104 has 81 MA's), (67, 40224), (69, 40266), (Start: 74 @40317 has 3 MA's), (85, 40431), (89, 40443), (110, 40545), (141, 40632), (143, 40635), (156, 40719), (160, 40737), (179, 40812), (192, 40887), (214, 40995), (228, 41073), (229, 41082), (250, 41142), (256, 41178), (271, 41226), (293, 41313),

Gene: Orion_49 Start: 40538, Stop: 41827, Start Num: 56
Candidate Starts for Orion_49:
(Start: 35 @40472 has 29 MA's), (38, 40481), (Start: 45 @40511 has 158 MA's), (Start: 49 @40520 has 129 MA's), (Start: 55 @40532 has 12 MA's), (Start: 56 @40538 has 81 MA's), (67, 40658), (69, 40700), (Start: 74 @40751 has 3 MA's), (85, 40865), (89, 40877), (110, 40979), (141, 41066), (143, 41069), (156, 41153), (160, 41171), (179, 41246), (192, 41321), (214, 41429), (228, 41507), (229, 41516), (250, 41576), (256, 41612), (271, 41660), (293, 41747),

Gene: Orwigg_47 Start: 40077, Stop: 41393, Start Num: 45
Candidate Starts for Orwigg_47:
(Start: 35 @40038 has 29 MA's), (38, 40047), (Start: 45 @40077 has 158 MA's), (Start: 49 @40086 has 129 MA's), (Start: 55 @40098 has 12 MA's), (Start: 56 @40104 has 81 MA's), (67, 40224), (69, 40266), (Start: 74 @40317 has 3 MA's), (85, 40431), (89, 40443), (110, 40545), (141, 40632), (143, 40635), (156, 40719), (160, 40737), (179, 40812), (192, 40887), (214, 40995), (228, 41073), (229, 41082), (250, 41142), (256, 41178), (271, 41226), (293, 41313),

Gene: P3MA_28 Start: 22686, Stop: 23927, Start Num: 49
Candidate Starts for P3MA_28:
(34, 22623), (Start: 49 @22686 has 129 MA's), (60, 22752), (64, 22803), (65, 22812), (67, 22827), (76, 22938), (82, 23022), (88, 23049), (112, 23151), (130, 23208), (140, 23244), (145, 23271), (167, 23376), (176, 23409), (191, 23490), (204, 23553), (215, 23604), (224, 23667), (272, 23820), (276, 23832), (290, 23883), (298, 23916),

Gene: PG1_49 Start: 40551, Stop: 41840, Start Num: 56
Candidate Starts for PG1_49:
(Start: 35 @40485 has 29 MA's), (38, 40494), (Start: 45 @40524 has 158 MA's), (Start: 49 @40533 has 129 MA's), (Start: 55 @40545 has 12 MA's), (Start: 56 @40551 has 81 MA's), (67, 40671), (69, 40713), (Start: 74 @40764 has 3 MA's), (85, 40878), (89, 40890), (110, 40992), (141, 41079), (143, 41082), (156, 41166), (160, 41184), (179, 41259), (192, 41334), (214, 41442), (228, 41520), (229, 41529), (250, 41589), (256, 41625), (271, 41673), (293, 41760),

Gene: Pacifista_47 Start: 40080, Stop: 41396, Start Num: 45
Candidate Starts for Pacifista_47:
(Start: 35 @40041 has 29 MA's), (38, 40050), (Start: 45 @40080 has 158 MA's), (Start: 49 @40089 has 129 MA's), (Start: 55 @40101 has 12 MA's), (67, 40227), (69, 40269), (Start: 74 @40320 has 3 MA's), (85, 40434), (89, 40446), (110, 40548), (141, 40635), (143, 40638), (156, 40722), (160, 40740), (179, 40815), (192, 40890), (214, 40998), (228, 41076), (229, 41085), (250, 41145), (256, 41181), (271, 41229), (293, 41316),

Gene: Paito_27 Start: 24076, Stop: 25437, Start Num: 42
Candidate Starts for Paito_27:
(Start: 42 @24076 has 14 MA's), (Start: 49 @24091 has 129 MA's), (Start: 56 @24112 has 81 MA's), (67, 24232), (69, 24274), (Start: 74 @24325 has 3 MA's), (89, 24451), (110, 24535), (117, 24553), (124, 24571), (146, 24664), (166, 24769), (167, 24772), (184, 24841), (203, 24946), (214, 25000), (215, 25006), (221, 25057), (225, 25072), (255, 25207), (293, 25348),

Gene: PallasAthena_47 Start: 40115, Stop: 41404, Start Num: 56

Candidate Starts for PallasAthena_47:
(Start: 35 @40049 has 29 MA's), (38, 40058), (Start: 45 @40088 has 158 MA's), (Start: 49 @40097 has 129 MA's), (Start: 55 @40109 has 12 MA's), (Start: 56 @40115 has 81 MA's), (67, 40235), (69, 40277), (Start: 74 @40328 has 3 MA's), (85, 40442), (89, 40454), (110, 40556), (141, 40643), (143, 40646), (156, 40730), (160, 40748), (179, 40823), (192, 40898), (214, 41006), (228, 41084), (229, 41093), (250, 41153), (256, 41189), (271, 41237), (293, 41324),

Gene: Partridge_7 Start: 1851, Stop: 3182, Start Num: 49
Candidate Starts for Partridge_7:
(15, 1542), (18, 1602), (23, 1662), (33, 1776), (Start: 49 @1851 has 129 MA's), (Start: 74 @2085 has 3 MA's), (102, 2277), (134, 2379), (139, 2397), (149, 2451), (153, 2487), (174, 2562), (198, 2700), (211, 2754), (213, 2763), (220, 2823), (225, 2838), (230, 2868), (235, 2883), (256, 2955), (258, 2964), (274, 3009), (277, 3021), (280, 3030), (302, 3135),

Gene: Peeb_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Peeb_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Periodt_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Periodt_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (76, 24134), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Perkunas_11 Start: 4324, Stop: 5613, Start Num: 46
Candidate Starts for Perkunas_11:
(Start: 46 @4324 has 1 MA's), (Start: 49 @4330 has 129 MA's), (Start: 74 @4579 has 3 MA's), (103, 4792), (122, 4837), (164, 5020), (170, 5047), (187, 5119), (193, 5173), (194, 5176), (216, 5299), (239, 5392), (266, 5488), (281, 5545),

Gene: PestoPenguin_13 Start: 6443, Stop: 7729, Start Num: 49
Candidate Starts for PestoPenguin_13:
(Start: 47 @6440 has 1 MA's), (Start: 49 @6443 has 129 MA's), (Start: 56 @6461 has 81 MA's), (59, 6515), (Start: 74 @6692 has 3 MA's), (103, 6905), (119, 6941), (121, 6947), (129, 6974), (155, 7106), (164, 7133), (166, 7148), (169, 7157), (177, 7190), (193, 7286), (226, 7463), (239, 7508), (243, 7526), (295, 7718),

Gene: Petito_10 Start: 4026, Stop: 5309, Start Num: 49
Candidate Starts for Petito_10:
(Start: 49 @4026 has 129 MA's), (Start: 56 @4044 has 81 MA's), (59, 4098), (69, 4224), (Start: 74 @4275 has 3 MA's), (103, 4488), (164, 4716), (187, 4815), (193, 4869), (194, 4872), (216, 4995), (239, 5088), (281, 5241),

Gene: Phabuloso_22 Start: 18659, Stop: 19951, Start Num: 44
Candidate Starts for Phabuloso_22:
(Start: 44 @18659 has 3 MA's), (Start: 51 @18674 has 5 MA's), (64, 18797), (77, 18941), (85, 19040), (90, 19064), (99, 19115), (114, 19154), (150, 19304), (156, 19319), (161, 19340), (164, 19346), (165, 19349), (172, 19379), (179, 19412), (196, 19511), (197, 19514), (199, 19532), (210, 19571), (214, 19589), (241, 19715), (244, 19724), (254, 19763), (263, 19790),

Gene: PhailMary_6 Start: 1858, Stop: 3189, Start Num: 49

Candidate Starts for PhailMary_6:
(15, 1549), (18, 1609), (23, 1669), (33, 1783), (Start: 49 @1858 has 129 MA's), (Start: 74 @2092 has 3 MA's), (102, 2284), (134, 2386), (139, 2404), (149, 2458), (153, 2494), (174, 2569), (198, 2707), (213, 2770), (220, 2830), (225, 2845), (230, 2875), (235, 2890), (256, 2962), (258, 2971), (277, 3028), (299, 3133), (302, 3142),

Gene: Phamished_49 Start: 40480, Stop: 41847, Start Num: 35
Candidate Starts for Phamished_49:
(Start: 35 @40480 has 29 MA's), (38, 40489), (Start: 45 @40519 has 158 MA's), (Start: 49 @40528 has 129 MA's), (Start: 55 @40540 has 12 MA's), (Start: 56 @40546 has 81 MA's), (67, 40666), (69, 40708), (Start: 74 @40759 has 3 MA's), (81, 40828), (89, 40885), (110, 40999), (141, 41086), (143, 41089), (156, 41173), (157, 41176), (160, 41191), (179, 41266), (192, 41341), (214, 41449), (228, 41527), (229, 41536), (234, 41551), (250, 41596), (256, 41632), (271, 41680), (293, 41767),

Gene: PhaoMing_19 Start: 17792, Stop: 19057, Start Num: 44
Candidate Starts for PhaoMing_19:
(Start: 44 @17792 has 3 MA's), (52, 17810), (Start: 56 @17825 has 81 MA's), (75, 18038), (85, 18152), (114, 18260), (150, 18410), (156, 18425), (161, 18446), (164, 18452), (165, 18455), (179, 18518), (196, 18617), (197, 18620), (199, 18638), (210, 18677), (214, 18695), (241, 18821), (244, 18830), (263, 18896),

Gene: Phareon_48 Start: 40079, Stop: 41395, Start Num: 45
Candidate Starts for Phareon_48:
(Start: 35 @40040 has 29 MA's), (38, 40049), (Start: 45 @40079 has 158 MA's), (Start: 49 @40088 has 129 MA's), (Start: 55 @40100 has 12 MA's), (Start: 56 @40106 has 81 MA's), (67, 40226), (69, 40268), (Start: 74 @40319 has 3 MA's), (85, 40433), (89, 40445), (110, 40547), (141, 40634), (143, 40637), (156, 40721), (160, 40739), (179, 40814), (192, 40889), (214, 40997), (228, 41075), (229, 41084), (250, 41144), (256, 41180), (271, 41228), (293, 41315),

Gene: PhatCats2014_49 Start: 40489, Stop: 41844, Start Num: 35
Candidate Starts for PhatCats2014_49:
(Start: 35 @40489 has 29 MA's), (38, 40498), (Start: 45 @40528 has 158 MA's), (Start: 49 @40537 has 129 MA's), (Start: 55 @40549 has 12 MA's), (Start: 56 @40555 has 81 MA's), (67, 40675), (69, 40717), (Start: 74 @40768 has 3 MA's), (85, 40882), (89, 40894), (110, 40996), (141, 41083), (143, 41086), (156, 41170), (160, 41188), (179, 41263), (192, 41338), (214, 41446), (228, 41524), (229, 41533), (250, 41593), (256, 41629), (271, 41677), (293, 41764),

Gene: PhatLouie_48 Start: 40409, Stop: 41698, Start Num: 56
Candidate Starts for PhatLouie_48:
(Start: 35 @40343 has 29 MA's), (38, 40352), (Start: 45 @40382 has 158 MA's), (Start: 49 @40391 has 129 MA's), (Start: 55 @40403 has 12 MA's), (Start: 56 @40409 has 81 MA's), (67, 40529), (69, 40571), (Start: 74 @40622 has 3 MA's), (85, 40736), (89, 40748), (110, 40850), (141, 40937), (143, 40940), (156, 41024), (160, 41042), (179, 41117), (192, 41192), (214, 41300), (228, 41378), (229, 41387), (250, 41447), (256, 41483), (271, 41531), (293, 41618),

Gene: PhenghisKhan_47 Start: 40015, Stop: 41319, Start Num: 56
Candidate Starts for PhenghisKhan_47:
(Start: 35 @39949 has 29 MA's), (38, 39958), (Start: 45 @39988 has 158 MA's), (Start: 49 @39997 has 129 MA's), (Start: 55 @40009 has 12 MA's), (Start: 56 @40015 has 81 MA's), (67, 40135), (69, 40177), (Start: 74 @40228 has 3 MA's), (89, 40354), (110, 40468), (112, 40471), (141, 40558), (143, 40561), (156, 40645), (157, 40648), (160, 40663), (179, 40738), (192, 40813), (214, 40921), (228, 40999), (229, 41008), (250, 41068), (256, 41104), (271, 41152), (293, 41239),

Gene: Phepper_13 Start: 6443, Stop: 7729, Start Num: 49
Candidate Starts for Phepper_13:
(Start: 47 @6440 has 1 MA's), (Start: 49 @6443 has 129 MA's), (Start: 56 @6461 has 81 MA's), (Start: 74 @6692 has 3 MA's), (94, 6854), (103, 6905), (164, 7133), (166, 7148), (193, 7286), (226, 7463), (239, 7508), (243, 7526),

Gene: Pherdinand_49 Start: 40519, Stop: 41835, Start Num: 45
Candidate Starts for Pherdinand_49:
(Start: 35 @40480 has 29 MA's), (38, 40489), (Start: 45 @40519 has 158 MA's), (Start: 49 @40528 has 129 MA's), (Start: 55 @40540 has 12 MA's), (Start: 56 @40546 has 81 MA's), (67, 40666), (69, 40708), (Start: 74 @40759 has 3 MA's), (85, 40873), (89, 40885), (110, 40987), (141, 41074), (143, 41077), (156, 41161), (160, 41179), (179, 41254), (192, 41329), (214, 41437), (228, 41515), (229, 41524), (250, 41584), (256, 41620), (271, 41668), (293, 41755),

Gene: Phergie_48 Start: 40220, Stop: 41311, Start Num: 74
Candidate Starts for Phergie_48:
(Start: 74 @40220 has 3 MA's), (89, 40346), (110, 40460), (112, 40463), (141, 40550), (143, 40553), (156, 40637), (157, 40640), (160, 40655), (179, 40730), (192, 40805), (214, 40913), (228, 40991), (229, 41000), (250, 41060), (256, 41096), (271, 41144), (293, 41231),

Gene: Pherobrine_10 Start: 4207, Stop: 5496, Start Num: 49
Candidate Starts for Pherobrine_10:
(Start: 49 @4207 has 129 MA's), (Start: 56 @4225 has 81 MA's), (Start: 74 @4456 has 3 MA's), (103, 4669), (155, 4870), (164, 4897), (169, 4921), (193, 5050), (239, 5275), (266, 5371),

Gene: Phipps_48 Start: 40359, Stop: 41675, Start Num: 45
Candidate Starts for Phipps_48:
(Start: 35 @40320 has 29 MA's), (38, 40329), (Start: 45 @40359 has 158 MA's), (Start: 49 @40368 has 129 MA's), (Start: 55 @40380 has 12 MA's), (Start: 56 @40386 has 81 MA's), (67, 40506), (69, 40548), (Start: 74 @40599 has 3 MA's), (85, 40713), (89, 40725), (110, 40827), (141, 40914), (143, 40917), (156, 41001), (157, 41004), (160, 41019), (179, 41094), (192, 41169), (214, 41277), (228, 41355), (229, 41364), (234, 41379), (250, 41424), (256, 41460), (271, 41508), (293, 41595),

Gene: Phish_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Phish_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Phleuron_47 Start: 40012, Stop: 41316, Start Num: 56
Candidate Starts for Phleuron_47:
(Start: 35 @39946 has 29 MA's), (38, 39955), (Start: 45 @39985 has 158 MA's), (Start: 49 @39994 has 129 MA's), (Start: 55 @40006 has 12 MA's), (Start: 56 @40012 has 81 MA's), (67, 40132), (69, 40174), (Start: 74 @40225 has 3 MA's), (89, 40351), (110, 40465), (112, 40468), (141, 40555), (143, 40558), (156, 40642), (157, 40645), (160, 40660), (179, 40735), (192, 40810), (214, 40918), (228, 40996), (229, 41005), (250, 41065), (256, 41101), (271, 41149), (293, 41236),

Gene: Phloodle_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Phloodle_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: PhrankReynolds_46 Start: 40012, Stop: 41316, Start Num: 56
Candidate Starts for PhrankReynolds_46:
(Start: 35 @39946 has 29 MA's), (38, 39955), (Start: 45 @39985 has 158 MA's), (Start: 49 @39994 has 129 MA's), (Start: 55 @40006 has 12 MA's), (Start: 56 @40012 has 81 MA's), (67, 40132), (69, 40174), (Start: 74 @40225 has 3 MA's), (89, 40351), (110, 40465), (112, 40468), (141, 40555), (143, 40558), (156, 40642), (157, 40645), (160, 40660), (179, 40735), (192, 40810), (214, 40918), (228, 40996), (229, 41005), (250, 41065), (256, 41101), (271, 41149), (293, 41236),

Gene: Phrankenstein_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Phrankenstein_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Phreak_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Phreak_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: PhrodoBaggins_48 Start: 40534, Stop: 41823, Start Num: 56
Candidate Starts for PhrodoBaggins_48:
(Start: 35 @40468 has 29 MA's), (38, 40477), (Start: 45 @40507 has 158 MA's), (Start: 49 @40516 has 129 MA's), (Start: 55 @40528 has 12 MA's), (Start: 56 @40534 has 81 MA's), (67, 40654), (69, 40696), (Start: 74 @40747 has 3 MA's), (85, 40861), (89, 40873), (110, 40975), (141, 41062), (143, 41065), (156, 41149), (160, 41167), (179, 41242), (192, 41317), (214, 41425), (228, 41503), (229, 41512), (250, 41572), (256, 41608), (271, 41656), (293, 41743),

Gene: Phunky_48 Start: 40337, Stop: 41692, Start Num: 35
Candidate Starts for Phunky_48:
(Start: 35 @40337 has 29 MA's), (38, 40346), (Start: 45 @40376 has 158 MA's), (Start: 49 @40385 has 129 MA's), (Start: 55 @40397 has 12 MA's), (Start: 56 @40403 has 81 MA's), (67, 40523), (69, 40565), (Start: 74 @40616 has 3 MA's), (85, 40730), (89, 40742), (110, 40844), (141, 40931), (143, 40934), (156, 41018), (160, 41036), (179, 41111), (192, 41186), (214, 41294), (228, 41372), (229, 41381), (250, 41441), (256, 41477), (271, 41525), (293, 41612),

Gene: Piglet_0048 Start: 40510, Stop: 41817, Start Num: 55
Candidate Starts for Piglet_0048:
(Start: 35 @40450 has 29 MA's), (38, 40459), (Start: 45 @40489 has 158 MA's), (Start: 49 @40498 has 129 MA's), (Start: 55 @40510 has 12 MA's), (67, 40636), (69, 40678), (Start: 74 @40729 has 3 MA's), (81, 40798), (89, 40855), (110, 40969), (141, 41056), (143, 41059), (156, 41143), (157, 41146), (160, 41161), (179, 41236), (192, 41311), (214, 41419), (228, 41497), (229, 41506), (234, 41521), (250, 41566), (256, 41602), (271, 41650), (293, 41737),

Gene: Pine5_40 Start: 32407, Stop: 33843, Start Num: 45
Candidate Starts for Pine5_40:
(40, 32389), (Start: 45 @32407 has 158 MA's), (Start: 51 @32419 has 5 MA's), (65, 32539), (77, 32659), (95, 32824), (97, 32830), (112, 32899), (137, 32980), (152, 33070), (176, 33157), (208, 33313), (222, 33409), (238, 33472), (275, 33616), (285, 33652), (287, 33661), (305, 33757), (306, 33760),

Gene: PinheadLarry_48 Start: 40089, Stop: 41405, Start Num: 45
Candidate Starts for PinheadLarry_48:

(Start: 35 @40050 has 29 MA's), (38, 40059), (Start: 45 @40089 has 158 MA's), (Start: 49 @40098 has 129 MA's), (Start: 55 @40110 has 12 MA's), (Start: 56 @40116 has 81 MA's), (67, 40236), (69, 40278), (Start: 74 @40329 has 3 MA's), (85, 40443), (89, 40455), (110, 40557), (141, 40644), (143, 40647), (156, 40731), (160, 40749), (179, 40824), (192, 40899), (214, 41007), (228, 41085), (229, 41094), (250, 41154), (256, 41190), (271, 41238), (293, 41325),

Gene: PinkYoshi_27 Start: 23876, Stop: 25192, Start Num: 48
Candidate Starts for PinkYoshi_27:
(Start: 42 @23861 has 14 MA's), (Start: 48 @23876 has 59 MA's), (Start: 56 @23897 has 81 MA's), (67, 24017), (69, 24059), (Start: 74 @24110 has 3 MA's), (89, 24236), (116, 24359), (150, 24509), (210, 24776), (247, 24938), (270, 25025), (296, 25121), (308, 25184),

Gene: Pinkman_47 Start: 39965, Stop: 41254, Start Num: 56
Candidate Starts for Pinkman_47:
(Start: 35 @39899 has 29 MA's), (38, 39908), (Start: 45 @39938 has 158 MA's), (Start: 49 @39947 has 129 MA's), (Start: 55 @39959 has 12 MA's), (Start: 56 @39965 has 81 MA's), (67, 40085), (69, 40127), (Start: 74 @40178 has 3 MA's), (85, 40292), (89, 40304), (110, 40406), (141, 40493), (143, 40496), (156, 40580), (160, 40598), (179, 40673), (192, 40748), (214, 40856), (228, 40934), (229, 40943), (250, 41003), (256, 41039), (271, 41087), (293, 41174),

Gene: Pipsqueak_48 Start: 40383, Stop: 41699, Start Num: 45
Candidate Starts for Pipsqueak_48:
(Start: 35 @40344 has 29 MA's), (38, 40353), (Start: 45 @40383 has 158 MA's), (Start: 49 @40392 has 129 MA's), (Start: 55 @40404 has 12 MA's), (Start: 56 @40410 has 81 MA's), (67, 40530), (69, 40572), (Start: 74 @40623 has 3 MA's), (85, 40737), (89, 40749), (110, 40851), (141, 40938), (143, 40941), (156, 41025), (160, 41043), (179, 41118), (192, 41193), (214, 41301), (228, 41379), (229, 41388), (250, 41448), (256, 41484), (271, 41532), (293, 41619),

Gene: Placalicious_47 Start: 40076, Stop: 41392, Start Num: 45
Candidate Starts for Placalicious_47:
(Start: 35 @40037 has 29 MA's), (38, 40046), (Start: 45 @40076 has 158 MA's), (Start: 49 @40085 has 129 MA's), (Start: 55 @40097 has 12 MA's), (67, 40223), (69, 40265), (Start: 74 @40316 has 3 MA's), (85, 40430), (89, 40442), (110, 40544), (141, 40631), (143, 40634), (156, 40718), (160, 40736), (179, 40811), (192, 40886), (214, 40994), (228, 41072), (229, 41081), (250, 41141), (256, 41177), (271, 41225), (293, 41312),

Gene: Plagueis_27 Start: 23720, Stop: 25036, Start Num: 48
Candidate Starts for Plagueis_27:
(Start: 42 @23705 has 14 MA's), (Start: 48 @23720 has 59 MA's), (Start: 56 @23741 has 81 MA's), (67, 23861), (69, 23903), (Start: 74 @23954 has 3 MA's), (89, 24080), (116, 24203), (150, 24353), (210, 24620), (247, 24782), (270, 24869), (296, 24965), (308, 25028),

Gene: Plata_47 Start: 40094, Stop: 41410, Start Num: 45
Candidate Starts for Plata_47:
(Start: 35 @40055 has 29 MA's), (38, 40064), (Start: 45 @40094 has 158 MA's), (Start: 49 @40103 has 129 MA's), (Start: 55 @40115 has 12 MA's), (Start: 56 @40121 has 81 MA's), (67, 40241), (69, 40283), (Start: 74 @40334 has 3 MA's), (85, 40448), (89, 40460), (110, 40562), (141, 40649), (143, 40652), (156, 40736), (160, 40754), (179, 40829), (192, 40904), (205, 40967), (214, 41012), (228, 41090), (229, 41099), (250, 41159), (256, 41195), (271, 41243), (293, 41330),

Gene: Plmatters_48 Start: 40379, Stop: 41695, Start Num: 45
Candidate Starts for Plmatters_48:

(Start: 35 @40340 has 29 MA's), (38, 40349), (Start: 45 @40379 has 158 MA's), (Start: 49 @40388 has 129 MA's), (Start: 55 @40400 has 12 MA's), (Start: 56 @40406 has 81 MA's), (67, 40526), (69, 40568), (Start: 74 @40619 has 3 MA's), (85, 40733), (89, 40745), (110, 40847), (141, 40934), (143, 40937), (156, 41021), (160, 41039), (179, 41114), (192, 41189), (214, 41297), (228, 41375), (229, 41384), (250, 41444), (256, 41480), (271, 41528), (293, 41615),

Gene: Podrick_48 Start: 40370, Stop: 41686, Start Num: 45
Candidate Starts for Podrick_48:
(Start: 35 @40331 has 29 MA's), (38, 40340), (Start: 45 @40370 has 158 MA's), (Start: 49 @40379 has 129 MA's), (Start: 55 @40391 has 12 MA's), (Start: 56 @40397 has 81 MA's), (67, 40517), (69, 40559), (Start: 74 @40610 has 3 MA's), (85, 40724), (89, 40736), (110, 40838), (141, 40925), (143, 40928), (156, 41012), (160, 41030), (179, 41105), (192, 41180), (214, 41288), (228, 41366), (229, 41375), (250, 41435), (256, 41471), (271, 41519), (293, 41606),

Gene: Polyyuki_50 Start: 35716, Stop: 37059, Start Num: 49
Candidate Starts for Polyyuki_50:
(Start: 49 @35716 has 129 MA's), (69, 35914), (71, 35944), (73, 35956), (79, 35995), (85, 36067), (104, 36145), (125, 36187), (126, 36196), (154, 36319), (156, 36322), (165, 36352), (180, 36421), (188, 36469), (219, 36652), (226, 36685), (233, 36715), (237, 36727), (265, 36835), (279, 36880), (300, 36985),

Gene: Pops_48 Start: 40421, Stop: 41710, Start Num: 56
Candidate Starts for Pops_48:
(Start: 35 @40355 has 29 MA's), (38, 40364), (Start: 45 @40394 has 158 MA's), (Start: 49 @40403 has 129 MA's), (Start: 55 @40415 has 12 MA's), (Start: 56 @40421 has 81 MA's), (67, 40541), (69, 40583), (Start: 74 @40634 has 3 MA's), (85, 40748), (89, 40760), (110, 40862), (141, 40949), (143, 40952), (156, 41036), (160, 41054), (179, 41129), (192, 41204), (205, 41267), (214, 41312), (228, 41390), (229, 41399), (250, 41459), (256, 41495), (271, 41543), (293, 41630),

Gene: Potter_47 Start: 40115, Stop: 41422, Start Num: 55
Candidate Starts for Potter_47:
(Start: 35 @40055 has 29 MA's), (38, 40064), (Start: 45 @40094 has 158 MA's), (Start: 49 @40103 has 129 MA's), (Start: 55 @40115 has 12 MA's), (67, 40241), (69, 40283), (Start: 74 @40334 has 3 MA's), (85, 40448), (89, 40460), (110, 40574), (141, 40661), (143, 40664), (156, 40748), (160, 40766), (179, 40841), (192, 40916), (214, 41024), (228, 41102), (229, 41111), (250, 41171), (256, 41207), (271, 41255), (293, 41342),

Gene: Poushou_24 Start: 22562, Stop: 23947, Start Num: 49
Candidate Starts for Poushou_24:
(30, 22439), (Start: 49 @22562 has 129 MA's), (53, 22571), (58, 22589), (79, 22841), (83, 22910), (84, 22916), (88, 22925), (95, 22964), (97, 22970), (108, 23021), (127, 23075), (139, 23114), (151, 23195), (158, 23213), (183, 23318), (193, 23390), (206, 23456), (259, 23690), (275, 23744), (304, 23867), (309, 23888), (310, 23924), (311, 23930),

Gene: Prickles_48 Start: 40370, Stop: 41686, Start Num: 45
Candidate Starts for Prickles_48:
(Start: 35 @40331 has 29 MA's), (38, 40340), (Start: 45 @40370 has 158 MA's), (Start: 49 @40379 has 129 MA's), (Start: 55 @40391 has 12 MA's), (Start: 56 @40397 has 81 MA's), (67, 40517), (69, 40559), (Start: 74 @40610 has 3 MA's), (85, 40724), (89, 40736), (110, 40838), (141, 40925), (143, 40928), (156, 41012), (157, 41015), (160, 41030), (179, 41105), (192, 41180), (214, 41288), (228, 41366), (229, 41375), (250, 41435), (256, 41471), (271, 41519), (293, 41606),

Gene: Primanti_27 Start: 23870, Stop: 25201, Start Num: 42

Candidate Starts for Primanti_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: ProfessorX_48 Start: 40371, Stop: 41687, Start Num: 45
Candidate Starts for ProfessorX_48:
(Start: 35 @40332 has 29 MA's), (38, 40341), (Start: 45 @40371 has 158 MA's), (Start: 49 @40380 has 129 MA's), (Start: 55 @40392 has 12 MA's), (Start: 56 @40398 has 81 MA's), (67, 40518), (69, 40560), (Start: 74 @40611 has 3 MA's), (85, 40725), (89, 40737), (110, 40839), (141, 40926), (143, 40929), (156, 41013), (160, 41031), (179, 41106), (192, 41181), (205, 41244), (214, 41289), (228, 41367), (229, 41376), (250, 41436), (256, 41472), (271, 41520), (293, 41607),

Gene: Puhltonio_48 Start: 40380, Stop: 41696, Start Num: 45
Candidate Starts for Puhltonio_48:
(Start: 35 @40341 has 29 MA's), (38, 40350), (Start: 45 @40380 has 158 MA's), (Start: 49 @40389 has 129 MA's), (Start: 55 @40401 has 12 MA's), (Start: 56 @40407 has 81 MA's), (67, 40527), (69, 40569), (Start: 74 @40620 has 3 MA's), (85, 40734), (89, 40746), (110, 40848), (141, 40935), (143, 40938), (156, 41022), (160, 41040), (179, 41115), (192, 41190), (214, 41298), (228, 41376), (229, 41385), (250, 41445), (256, 41481), (271, 41529), (293, 41616),

Gene: QueenBeane_48 Start: 40370, Stop: 41686, Start Num: 45
Candidate Starts for QueenBeane_48:
(Start: 35 @40331 has 29 MA's), (38, 40340), (Start: 45 @40370 has 158 MA's), (Start: 49 @40379 has 129 MA's), (Start: 55 @40391 has 12 MA's), (Start: 56 @40397 has 81 MA's), (67, 40517), (69, 40559), (Start: 74 @40610 has 3 MA's), (85, 40724), (89, 40736), (110, 40838), (141, 40925), (143, 40928), (156, 41012), (160, 41030), (179, 41105), (192, 41180), (214, 41288), (228, 41366), (229, 41375), (250, 41435), (256, 41471), (271, 41519), (293, 41606),

Gene: Quisquiliae_48 Start: 40407, Stop: 41723, Start Num: 45
Candidate Starts for Quisquiliae_48:
(Start: 35 @40368 has 29 MA's), (38, 40377), (Start: 45 @40407 has 158 MA's), (Start: 49 @40416 has 129 MA's), (Start: 55 @40428 has 12 MA's), (Start: 56 @40434 has 81 MA's), (67, 40554), (69, 40596), (Start: 74 @40647 has 3 MA's), (85, 40761), (89, 40773), (110, 40875), (141, 40962), (143, 40965), (156, 41049), (160, 41067), (179, 41142), (192, 41217), (214, 41325), (228, 41403), (229, 41412), (250, 41472), (256, 41508), (271, 41556), (293, 41643),

Gene: RER2_67 Start: 45250, Stop: 46581, Start Num: 49
Candidate Starts for RER2_67:
(15, 45007), (33, 45175), (Start: 49 @45250 has 129 MA's), (Start: 74 @45484 has 3 MA's), (102, 45676), (134, 45778), (139, 45796), (149, 45850), (153, 45886), (174, 45961), (198, 46099), (213, 46162), (220, 46222), (225, 46237), (230, 46267), (235, 46282), (256, 46354), (258, 46363), (277, 46420), (299, 46525), (302, 46534),

Gene: RGL3_66 Start: 46754, Stop: 48067, Start Num: 56
Candidate Starts for RGL3_66:
(33, 46658), (Start: 35 @46685 has 29 MA's), (Start: 49 @46733 has 129 MA's), (Start: 56 @46754 has 81 MA's), (Start: 74 @46967 has 3 MA's), (107, 47192), (118, 47210), (139, 47282), (149, 47336), (153, 47372), (198, 47585), (213, 47648), (220, 47708), (256, 47840), (277, 47906), (299, 48011), (302, 48020),

Gene: Rabbs_27 Start: 23968, Stop: 25284, Start Num: 48
Candidate Starts for Rabbs_27:

(Start: 42 @23953 has 14 MA's), (Start: 48 @23968 has 59 MA's), (Start: 56 @23989 has 81 MA's), (67, 24109), (69, 24151), (Start: 74 @24202 has 3 MA's), (89, 24328), (116, 24451), (150, 24601), (210, 24868), (230, 24982), (247, 25030), (270, 25117), (296, 25213), (308, 25276),

Gene: Rasputin_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Rasputin_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Rattrick_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Rattrick_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (76, 24134), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (230, 24899), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: RedMaple_48 Start: 40521, Stop: 41837, Start Num: 45
Candidate Starts for RedMaple_48:
(Start: 35 @40482 has 29 MA's), (38, 40491), (Start: 45 @40521 has 158 MA's), (Start: 49 @40530 has 129 MA's), (Start: 55 @40542 has 12 MA's), (Start: 56 @40548 has 81 MA's), (67, 40668), (69, 40710), (Start: 74 @40761 has 3 MA's), (85, 40875), (89, 40887), (110, 40989), (141, 41076), (143, 41079), (156, 41163), (160, 41181), (179, 41256), (192, 41331), (214, 41439), (228, 41517), (229, 41526), (250, 41586), (256, 41622), (271, 41670), (293, 41757),

Gene: RedRaider89_49 Start: 40604, Stop: 41920, Start Num: 45
Candidate Starts for RedRaider89_49:
(Start: 35 @40565 has 29 MA's), (38, 40574), (Start: 45 @40604 has 158 MA's), (Start: 49 @40613 has 129 MA's), (Start: 55 @40625 has 12 MA's), (Start: 56 @40631 has 81 MA's), (67, 40751), (69, 40793), (Start: 74 @40844 has 3 MA's), (85, 40958), (89, 40970), (110, 41072), (141, 41159), (143, 41162), (156, 41246), (160, 41264), (179, 41339), (192, 41414), (205, 41477), (214, 41522), (228, 41600), (229, 41609), (250, 41669), (256, 41705), (271, 41753), (293, 41840),

Gene: Rem711_35 Start: 27403, Stop: 28758, Start Num: 42
Candidate Starts for Rem711_35:
(Start: 42 @27403 has 14 MA's), (Start: 63 @27532 has 10 MA's), (65, 27547), (67, 27562), (70, 27619), (86, 27784), (91, 27823), (113, 27901), (139, 27979), (161, 28090), (164, 28096), (242, 28486), (250, 28507), (256, 28543), (271, 28591), (289, 28672), (303, 28732),

Gene: Remy19_27 Start: 23870, Stop: 25201, Start Num: 42
Candidate Starts for Remy19_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Renaissance_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Renaissance_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: RexFury_7 Start: 1823, Stop: 3154, Start Num: 49
Candidate Starts for RexFury_7:

(15, 1580), (33, 1748), (Start: 49 @1823 has 129 MA's), (Start: 74 @2057 has 3 MA's), (102, 2249), (134, 2351), (139, 2369), (149, 2423), (153, 2459), (174, 2534), (198, 2672), (213, 2735), (220, 2795), (225, 2810), (230, 2840), (235, 2855), (256, 2927), (258, 2936), (277, 2993), (299, 3098), (302, 3107),

Gene: Rhodalysa_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Rhodalysa_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Richarlison_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Richarlison_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Rickmore_12 Start: 5213, Stop: 6499, Start Num: 49
Candidate Starts for Rickmore_12:
(Start: 49 @5213 has 129 MA's), (Start: 56 @5231 has 81 MA's), (59, 5285), (67, 5369), (69, 5411), (Start: 74 @5462 has 3 MA's), (94, 5624), (103, 5675), (122, 5720), (164, 5903), (177, 5960), (193, 6056), (226, 6233), (239, 6278), (243, 6296), (257, 6353), (279, 6419), (281, 6431), (289, 6470),

Gene: Ricotta_47 Start: 40093, Stop: 41409, Start Num: 45
Candidate Starts for Ricotta_47:
(Start: 35 @40054 has 29 MA's), (38, 40063), (Start: 45 @40093 has 158 MA's), (Start: 49 @40102 has 129 MA's), (Start: 55 @40114 has 12 MA's), (Start: 56 @40120 has 81 MA's), (67, 40240), (69, 40282), (Start: 74 @40333 has 3 MA's), (85, 40447), (89, 40459), (110, 40561), (141, 40648), (143, 40651), (156, 40735), (160, 40753), (179, 40828), (192, 40903), (214, 41011), (228, 41089), (229, 41098), (250, 41158), (256, 41194), (271, 41242), (293, 41329),

Gene: Riggan_48 Start: 40366, Stop: 41682, Start Num: 45
Candidate Starts for Riggan_48:
(Start: 35 @40327 has 29 MA's), (38, 40336), (Start: 45 @40366 has 158 MA's), (Start: 49 @40375 has 129 MA's), (Start: 55 @40387 has 12 MA's), (Start: 56 @40393 has 81 MA's), (67, 40513), (69, 40555), (Start: 74 @40606 has 3 MA's), (85, 40720), (89, 40732), (110, 40834), (141, 40921), (143, 40924), (156, 41008), (160, 41026), (179, 41101), (192, 41176), (205, 41239), (214, 41284), (228, 41362), (229, 41371), (250, 41431), (256, 41467), (271, 41515), (293, 41602),

Gene: Rimu_48 Start: 40133, Stop: 41422, Start Num: 56
Candidate Starts for Rimu_48:
(Start: 35 @40067 has 29 MA's), (38, 40076), (Start: 45 @40106 has 158 MA's), (Start: 49 @40115 has 129 MA's), (Start: 55 @40127 has 12 MA's), (Start: 56 @40133 has 81 MA's), (67, 40253), (69, 40295), (Start: 74 @40346 has 3 MA's), (85, 40460), (89, 40472), (110, 40574), (141, 40661), (143, 40664), (156, 40748), (160, 40766), (179, 40841), (192, 40916), (214, 41024), (228, 41102), (229, 41111), (250, 41171), (256, 41207), (271, 41255), (293, 41342),

Gene: Riverton_48 Start: 40393, Stop: 41712, Start Num: 49
Candidate Starts for Riverton_48:
(Start: 35 @40345 has 29 MA's), (38, 40354), (Start: 45 @40384 has 158 MA's), (Start: 49 @40393 has 129 MA's), (Start: 55 @40405 has 12 MA's), (67, 40531), (69, 40573), (Start: 74 @40624 has 3 MA's), (81, 40693), (89, 40750), (110, 40864), (141, 40951), (143, 40954), (156, 41038), (157, 41041), (160, 41056), (179, 41131), (192, 41206), (214, 41314), (228, 41392), (229, 41401), (234, 41416), (250, 41461), (256, 41497), (271, 41545), (293, 41632),

Gene: Robyn_47 Start: 39950, Stop: 41278, Start Num: 45
Candidate Starts for Robyn_47:
(Start: 35 @39911 has 29 MA's), (38, 39920), (Start: 45 @39950 has 158 MA's), (Start: 49 @39959 has 129 MA's), (Start: 55 @39971 has 12 MA's), (67, 40097), (69, 40139), (Start: 74 @40190 has 3 MA's), (81, 40259), (89, 40316), (110, 40430), (141, 40517), (143, 40520), (156, 40604), (157, 40607), (160, 40622), (179, 40697), (192, 40772), (214, 40880), (228, 40958), (229, 40967), (234, 40982), (250, 41027), (256, 41063), (271, 41111), (293, 41198),

Gene: Roliet_48 Start: 40379, Stop: 41695, Start Num: 45
Candidate Starts for Roliet_48:
(Start: 35 @40340 has 29 MA's), (38, 40349), (Start: 45 @40379 has 158 MA's), (Start: 49 @40388 has 129 MA's), (Start: 55 @40400 has 12 MA's), (Start: 56 @40406 has 81 MA's), (67, 40526), (69, 40568), (Start: 74 @40619 has 3 MA's), (85, 40733), (89, 40745), (110, 40847), (141, 40934), (143, 40937), (156, 41021), (160, 41039), (179, 41114), (192, 41189), (205, 41252), (214, 41297), (228, 41375), (229, 41384), (250, 41444), (256, 41480), (271, 41528), (293, 41615),

Gene: Roney_9 Start: 3518, Stop: 4801, Start Num: 49
Candidate Starts for Roney_9:
(Start: 49 @3518 has 129 MA's), (69, 3716), (Start: 74 @3767 has 3 MA's), (103, 3980), (122, 4025), (164, 4208), (187, 4307), (193, 4361), (216, 4487), (239, 4580), (266, 4676), (281, 4733),

Gene: Roscoe_49 Start: 40616, Stop: 41932, Start Num: 45
Candidate Starts for Roscoe_49:
(Start: 35 @40577 has 29 MA's), (38, 40586), (Start: 45 @40616 has 158 MA's), (Start: 49 @40625 has 129 MA's), (Start: 55 @40637 has 12 MA's), (Start: 56 @40643 has 81 MA's), (67, 40763), (69, 40805), (Start: 74 @40856 has 3 MA's), (85, 40970), (89, 40982), (110, 41084), (141, 41171), (143, 41174), (156, 41258), (160, 41276), (179, 41351), (192, 41426), (214, 41534), (228, 41612), (229, 41621), (250, 41681), (256, 41717), (271, 41765), (293, 41852),

Gene: Roy17_48 Start: 40097, Stop: 41386, Start Num: 56
Candidate Starts for Roy17_48:
(Start: 35 @40031 has 29 MA's), (38, 40040), (Start: 45 @40070 has 158 MA's), (Start: 49 @40079 has 129 MA's), (Start: 55 @40091 has 12 MA's), (Start: 56 @40097 has 81 MA's), (67, 40217), (69, 40259), (Start: 74 @40310 has 3 MA's), (85, 40424), (89, 40436), (110, 40538), (141, 40625), (143, 40628), (156, 40712), (160, 40730), (179, 40805), (192, 40880), (214, 40988), (228, 41066), (229, 41075), (250, 41135), (256, 41171), (271, 41219), (293, 41306),

Gene: Runhaar_13 Start: 6445, Stop: 7731, Start Num: 49
Candidate Starts for Runhaar_13:
(Start: 44 @6433 has 3 MA's), (Start: 45 @6436 has 158 MA's), (Start: 47 @6442 has 1 MA's), (Start: 49 @6445 has 129 MA's), (Start: 56 @6463 has 81 MA's), (Start: 74 @6694 has 3 MA's), (94, 6856), (103, 6907), (105, 6910), (121, 6949), (164, 7135), (166, 7150), (193, 7288), (226, 7465), (239, 7510), (243, 7528), (279, 7651), (281, 7663), (289, 7702),

Gene: Ruriko_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Ruriko_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: SDcharge11_48 Start: 40384, Stop: 41673, Start Num: 56
Candidate Starts for SDcharge11_48:

(Start: 35 @40318 has 29 MA's), (38, 40327), (Start: 45 @40357 has 158 MA's), (Start: 49 @40366 has 129 MA's), (Start: 55 @40378 has 12 MA's), (Start: 56 @40384 has 81 MA's), (67, 40504), (69, 40546), (Start: 74 @40597 has 3 MA's), (85, 40711), (89, 40723), (110, 40825), (141, 40912), (143, 40915), (156, 40999), (160, 41017), (179, 41092), (192, 41167), (205, 41230), (214, 41275), (228, 41353), (229, 41362), (250, 41422), (256, 41458), (271, 41506), (293, 41593),

Gene: Salazzle_48 Start: 39949, Stop: 41280, Start Num: 45
Candidate Starts for Salazzle_48:
(Start: 35 @39910 has 29 MA's), (38, 39919), (Start: 45 @39949 has 158 MA's), (Start: 49 @39958 has 129 MA's), (Start: 55 @39970 has 12 MA's), (67, 40096), (69, 40138), (Start: 74 @40189 has 3 MA's), (81, 40258), (89, 40315), (110, 40429), (112, 40432), (141, 40519), (143, 40522), (156, 40606), (157, 40609), (160, 40624), (179, 40699), (192, 40774), (205, 40837), (214, 40882), (228, 40960), (229, 40969), (250, 41029), (256, 41065), (271, 41113), (293, 41200),

Gene: SallyH_49 Start: 40533, Stop: 41840, Start Num: 49
Candidate Starts for SallyH_49:
(Start: 35 @40485 has 29 MA's), (38, 40494), (Start: 45 @40524 has 158 MA's), (Start: 49 @40533 has 129 MA's), (Start: 55 @40545 has 12 MA's), (Start: 56 @40551 has 81 MA's), (67, 40671), (69, 40713), (Start: 74 @40764 has 3 MA's), (85, 40878), (89, 40890), (110, 40992), (141, 41079), (143, 41082), (156, 41166), (160, 41184), (179, 41259), (192, 41334), (214, 41442), (228, 41520), (229, 41529), (250, 41589), (256, 41625), (271, 41673), (293, 41760),

Gene: SamW_21 Start: 19818, Stop: 21044, Start Num: 49
Candidate Starts for SamW_21:
(Start: 49 @19818 has 129 MA's), (54, 19827), (Start: 56 @19833 has 81 MA's), (77, 20064), (79, 20082), (96, 20211), (103, 20259), (163, 20457), (178, 20523), (185, 20547), (188, 20580), (218, 20757), (231, 20820),

Gene: Samaymay_48 Start: 40370, Stop: 41686, Start Num: 45
Candidate Starts for Samaymay_48:
(Start: 35 @40331 has 29 MA's), (38, 40340), (Start: 45 @40370 has 158 MA's), (Start: 49 @40379 has 129 MA's), (Start: 55 @40391 has 12 MA's), (Start: 56 @40397 has 81 MA's), (67, 40517), (69, 40559), (Start: 74 @40610 has 3 MA's), (85, 40724), (89, 40736), (110, 40838), (141, 40925), (143, 40928), (156, 41012), (160, 41030), (179, 41105), (192, 41180), (214, 41288), (228, 41366), (229, 41375), (250, 41435), (256, 41471), (271, 41519), (293, 41606),

Gene: SassyCat97_47 Start: 40082, Stop: 41413, Start Num: 45
Candidate Starts for SassyCat97_47:
(Start: 35 @40043 has 29 MA's), (38, 40052), (Start: 45 @40082 has 158 MA's), (Start: 49 @40091 has 129 MA's), (Start: 55 @40103 has 12 MA's), (67, 40229), (69, 40271), (Start: 74 @40322 has 3 MA's), (81, 40391), (89, 40448), (110, 40562), (112, 40565), (141, 40652), (143, 40655), (156, 40739), (157, 40742), (160, 40757), (179, 40832), (192, 40907), (214, 41015), (228, 41093), (229, 41102), (250, 41162), (256, 41198), (271, 41246), (293, 41333),

Gene: Schadenfreude_47 Start: 39924, Stop: 41252, Start Num: 45
Candidate Starts for Schadenfreude_47:
(Start: 35 @39885 has 29 MA's), (38, 39894), (Start: 45 @39924 has 158 MA's), (Start: 49 @39933 has 129 MA's), (Start: 55 @39945 has 12 MA's), (67, 40071), (69, 40113), (Start: 74 @40164 has 3 MA's), (81, 40233), (89, 40290), (110, 40404), (141, 40491), (143, 40494), (156, 40578), (157, 40581), (160, 40596), (179, 40671), (192, 40746), (214, 40854), (228, 40932), (229, 40941), (234, 40956), (250, 41001), (256, 41037), (271, 41085), (293, 41172),

Gene: Schiebel_27 Start: 23885, Stop: 25201, Start Num: 48

Candidate Starts for Schiebel_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Schueller_47 Start: 40095, Stop: 41411, Start Num: 45
Candidate Starts for Schueller_47:
(Start: 35 @40056 has 29 MA's), (38, 40065), (Start: 45 @40095 has 158 MA's), (Start: 49 @40104 has 129 MA's), (Start: 55 @40116 has 12 MA's), (Start: 56 @40122 has 81 MA's), (67, 40242), (69, 40284), (Start: 74 @40335 has 3 MA's), (85, 40449), (89, 40461), (110, 40563), (141, 40650), (143, 40653), (156, 40737), (160, 40755), (179, 40830), (192, 40905), (214, 41013), (228, 41091), (229, 41100), (250, 41160), (256, 41196), (271, 41244), (293, 41331),

Gene: Scoot17C_49 Start: 40540, Stop: 41829, Start Num: 56
Candidate Starts for Scoot17C_49:
(Start: 35 @40474 has 29 MA's), (38, 40483), (Start: 45 @40513 has 158 MA's), (Start: 49 @40522 has 129 MA's), (Start: 55 @40534 has 12 MA's), (Start: 56 @40540 has 81 MA's), (67, 40660), (69, 40702), (Start: 74 @40753 has 3 MA's), (85, 40867), (89, 40879), (110, 40981), (141, 41068), (143, 41071), (156, 41155), (160, 41173), (179, 41248), (192, 41323), (214, 41431), (228, 41509), (229, 41518), (250, 41578), (256, 41614), (271, 41662), (293, 41749),

Gene: Scrick_48 Start: 40106, Stop: 41422, Start Num: 45
Candidate Starts for Scrick_48:
(Start: 35 @40067 has 29 MA's), (38, 40076), (Start: 45 @40106 has 158 MA's), (Start: 49 @40115 has 129 MA's), (Start: 55 @40127 has 12 MA's), (Start: 56 @40133 has 81 MA's), (67, 40253), (69, 40295), (Start: 74 @40346 has 3 MA's), (85, 40460), (89, 40472), (110, 40574), (141, 40661), (143, 40664), (156, 40748), (160, 40766), (179, 40841), (192, 40916), (214, 41024), (228, 41102), (229, 41111), (250, 41171), (256, 41207), (271, 41255), (293, 41342),

Gene: Selr12_48 Start: 40109, Stop: 41425, Start Num: 45
Candidate Starts for Selr12_48:
(Start: 35 @40070 has 29 MA's), (38, 40079), (Start: 45 @40109 has 158 MA's), (Start: 49 @40118 has 129 MA's), (Start: 55 @40130 has 12 MA's), (Start: 56 @40136 has 81 MA's), (67, 40256), (69, 40298), (Start: 74 @40349 has 3 MA's), (85, 40463), (89, 40475), (110, 40577), (141, 40664), (143, 40667), (156, 40751), (160, 40769), (179, 40844), (192, 40919), (214, 41027), (228, 41105), (229, 41114), (250, 41174), (256, 41210), (271, 41258), (293, 41345),

Gene: Septica_47 Start: 40386, Stop: 41714, Start Num: 45
Candidate Starts for Septica_47:
(Start: 35 @40347 has 29 MA's), (38, 40356), (Start: 45 @40386 has 158 MA's), (Start: 49 @40395 has 129 MA's), (Start: 55 @40407 has 12 MA's), (67, 40533), (69, 40575), (Start: 74 @40626 has 3 MA's), (81, 40695), (89, 40752), (94, 40791), (110, 40866), (141, 40953), (143, 40956), (156, 41040), (157, 41043), (160, 41058), (179, 41133), (192, 41208), (214, 41316), (228, 41394), (229, 41403), (250, 41463), (252, 41475), (256, 41499), (271, 41547), (293, 41634),

Gene: Serendipity_48 Start: 40394, Stop: 41710, Start Num: 45
Candidate Starts for Serendipity_48:
(Start: 35 @40355 has 29 MA's), (38, 40364), (Start: 45 @40394 has 158 MA's), (Start: 49 @40403 has 129 MA's), (Start: 55 @40415 has 12 MA's), (Start: 56 @40421 has 81 MA's), (67, 40541), (69, 40583), (Start: 74 @40634 has 3 MA's), (85, 40748), (89, 40760), (110, 40862), (141, 40949), (143, 40952), (156, 41036), (160, 41054), (179, 41129), (192, 41204), (214, 41312), (228, 41390), (229, 41399), (250, 41459), (256, 41495), (271, 41543), (293, 41630),

Gene: Serpentine_0048 Start: 40381, Stop: 41709, Start Num: 45
Candidate Starts for Serpentine_0048:
(Start: 35 @40342 has 29 MA's), (38, 40351), (Start: 45 @40381 has 158 MA's), (Start: 49 @40390 has 129 MA's), (Start: 55 @40402 has 12 MA's), (67, 40528), (69, 40570), (Start: 74 @40621 has 3 MA's), (81, 40690), (89, 40747), (110, 40861), (141, 40948), (143, 40951), (156, 41035), (157, 41038), (160, 41053), (179, 41128), (192, 41203), (214, 41311), (228, 41389), (229, 41398), (234, 41413), (250, 41458), (256, 41494), (271, 41542), (293, 41629),

Gene: ShaboiShabazz_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for ShaboiShabazz_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: ShadowBud_48 Start: 40431, Stop: 41720, Start Num: 56
Candidate Starts for ShadowBud_48:
(Start: 35 @40365 has 29 MA's), (38, 40374), (Start: 45 @40404 has 158 MA's), (Start: 49 @40413 has 129 MA's), (Start: 55 @40425 has 12 MA's), (Start: 56 @40431 has 81 MA's), (67, 40551), (69, 40593), (Start: 74 @40644 has 3 MA's), (85, 40758), (89, 40770), (110, 40872), (141, 40959), (143, 40962), (156, 41046), (160, 41064), (179, 41139), (192, 41214), (214, 41322), (228, 41400), (229, 41409), (250, 41469), (256, 41505), (271, 41553), (293, 41640),

Gene: ShaggyRogers_13 Start: 6442, Stop: 7728, Start Num: 49
Candidate Starts for ShaggyRogers_13:
(Start: 47 @6439 has 1 MA's), (Start: 49 @6442 has 129 MA's), (Start: 56 @6460 has 81 MA's), (59, 6514), (Start: 74 @6691 has 3 MA's), (103, 6904), (119, 6940), (121, 6946), (129, 6973), (155, 7105), (164, 7132), (166, 7147), (169, 7156), (177, 7189), (193, 7285), (226, 7462), (239, 7507), (243, 7525), (295, 7717),

Gene: Sheila_48 Start: 40419, Stop: 41735, Start Num: 45
Candidate Starts for Sheila_48:
(Start: 35 @40380 has 29 MA's), (38, 40389), (Start: 45 @40419 has 158 MA's), (Start: 49 @40428 has 129 MA's), (Start: 55 @40440 has 12 MA's), (Start: 56 @40446 has 81 MA's), (67, 40566), (69, 40608), (Start: 74 @40659 has 3 MA's), (85, 40773), (89, 40785), (110, 40887), (141, 40974), (143, 40977), (156, 41061), (160, 41079), (179, 41154), (192, 41229), (214, 41337), (228, 41415), (229, 41424), (250, 41484), (256, 41520), (271, 41568), (293, 41655),

Gene: ShiVal_48 Start: 40341, Stop: 41696, Start Num: 35
Candidate Starts for ShiVal_48:
(Start: 35 @40341 has 29 MA's), (38, 40350), (Start: 45 @40380 has 158 MA's), (Start: 49 @40389 has 129 MA's), (Start: 55 @40401 has 12 MA's), (Start: 56 @40407 has 81 MA's), (67, 40527), (69, 40569), (Start: 74 @40620 has 3 MA's), (85, 40734), (89, 40746), (110, 40848), (141, 40935), (143, 40938), (156, 41022), (160, 41040), (179, 41115), (192, 41190), (214, 41298), (228, 41376), (229, 41385), (250, 41445), (256, 41481), (271, 41529), (293, 41616),

Gene: Shuman_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Shuman_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Sigman_49 Start: 40531, Stop: 41820, Start Num: 56
Candidate Starts for Sigman_49:

(Start: 35 @40465 has 29 MA's), (38, 40474), (Start: 45 @40504 has 158 MA's), (Start: 49 @40513 has 129 MA's), (Start: 55 @40525 has 12 MA's), (Start: 56 @40531 has 81 MA's), (67, 40651), (69, 40693), (Start: 74 @40744 has 3 MA's), (85, 40858), (89, 40870), (110, 40972), (141, 41059), (143, 41062), (156, 41146), (160, 41164), (179, 41239), (192, 41314), (214, 41422), (228, 41500), (229, 41509), (250, 41569), (256, 41605), (271, 41653), (293, 41740),

Gene: SilverBell_48 Start: 40408, Stop: 41715, Start Num: 49
Candidate Starts for SilverBell_48:
(Start: 35 @40360 has 29 MA's), (38, 40369), (Start: 45 @40399 has 158 MA's), (Start: 49 @40408 has 129 MA's), (Start: 55 @40420 has 12 MA's), (Start: 56 @40426 has 81 MA's), (67, 40546), (69, 40588), (Start: 74 @40639 has 3 MA's), (85, 40753), (89, 40765), (110, 40867), (141, 40954), (143, 40957), (156, 41041), (160, 41059), (179, 41134), (192, 41209), (214, 41317), (228, 41395), (229, 41404), (250, 41464), (256, 41500), (271, 41548), (293, 41635),

Gene: Simielle_47 Start: 40063, Stop: 41379, Start Num: 45
Candidate Starts for Simielle_47:
(Start: 35 @40024 has 29 MA's), (38, 40033), (Start: 45 @40063 has 158 MA's), (Start: 49 @40072 has 129 MA's), (Start: 55 @40084 has 12 MA's), (Start: 56 @40090 has 81 MA's), (67, 40210), (69, 40252), (Start: 74 @40303 has 3 MA's), (85, 40417), (89, 40429), (110, 40531), (141, 40618), (143, 40621), (156, 40705), (160, 40723), (179, 40798), (192, 40873), (214, 40981), (228, 41059), (229, 41068), (250, 41128), (256, 41164), (271, 41212), (293, 41299),

Gene: SirBeauregard_48 Start: 40103, Stop: 41392, Start Num: 56
Candidate Starts for SirBeauregard_48:
(Start: 35 @40037 has 29 MA's), (38, 40046), (Start: 45 @40076 has 158 MA's), (Start: 49 @40085 has 129 MA's), (Start: 55 @40097 has 12 MA's), (Start: 56 @40103 has 81 MA's), (67, 40223), (69, 40265), (Start: 74 @40316 has 3 MA's), (85, 40430), (89, 40442), (110, 40544), (141, 40631), (143, 40634), (156, 40718), (160, 40736), (179, 40811), (192, 40886), (214, 40994), (228, 41072), (229, 41081), (250, 41141), (256, 41177), (271, 41225), (293, 41312),

Gene: Sizemore_27 Start: 23886, Stop: 25202, Start Num: 48
Candidate Starts for Sizemore_27:
(Start: 42 @23871 has 14 MA's), (Start: 48 @23886 has 59 MA's), (Start: 56 @23907 has 81 MA's), (67, 24027), (69, 24069), (Start: 74 @24120 has 3 MA's), (89, 24246), (116, 24369), (150, 24519), (210, 24786), (247, 24948), (270, 25035), (296, 25131), (308, 25194),

Gene: Skippy_48 Start: 40364, Stop: 41680, Start Num: 45
Candidate Starts for Skippy_48:
(Start: 35 @40325 has 29 MA's), (38, 40334), (Start: 45 @40364 has 158 MA's), (Start: 49 @40373 has 129 MA's), (Start: 55 @40385 has 12 MA's), (Start: 56 @40391 has 81 MA's), (67, 40511), (69, 40553), (Start: 74 @40604 has 3 MA's), (85, 40718), (89, 40730), (110, 40832), (141, 40919), (143, 40922), (156, 41006), (160, 41024), (179, 41099), (192, 41174), (214, 41282), (228, 41360), (229, 41369), (250, 41429), (256, 41465), (271, 41513), (293, 41600),

Gene: Slatt_48 Start: 40390, Stop: 41706, Start Num: 45
Candidate Starts for Slatt_48:
(Start: 35 @40351 has 29 MA's), (38, 40360), (Start: 45 @40390 has 158 MA's), (Start: 49 @40399 has 129 MA's), (Start: 55 @40411 has 12 MA's), (Start: 56 @40417 has 81 MA's), (67, 40537), (69, 40579), (Start: 74 @40630 has 3 MA's), (85, 40744), (89, 40756), (110, 40858), (141, 40945), (143, 40948), (156, 41032), (160, 41050), (179, 41125), (192, 41200), (214, 41308), (228, 41386), (229, 41395), (250, 41455), (256, 41491), (271, 41539), (293, 41626),

Gene: Sneeze_27 Start: 23967, Stop: 25283, Start Num: 48

Candidate Starts for Sneeze_27:
(Start: 42 @23952 has 14 MA's), (Start: 48 @23967 has 59 MA's), (Start: 56 @23988 has 81 MA's), (67, 24108), (69, 24150), (Start: 74 @24201 has 3 MA's), (89, 24327), (116, 24450), (150, 24600), (210, 24867), (230, 24981), (247, 25029), (270, 25116), (296, 25212), (308, 25275),

Gene: Soile_48 Start: 40093, Stop: 41409, Start Num: 45
Candidate Starts for Soile_48:
(Start: 35 @40054 has 29 MA's), (38, 40063), (Start: 45 @40093 has 158 MA's), (Start: 49 @40102 has 129 MA's), (Start: 55 @40114 has 12 MA's), (Start: 56 @40120 has 81 MA's), (67, 40240), (69, 40282), (Start: 74 @40333 has 3 MA's), (85, 40447), (89, 40459), (110, 40561), (141, 40648), (143, 40651), (156, 40735), (160, 40753), (179, 40828), (192, 40903), (205, 40966), (214, 41011), (228, 41089), (229, 41098), (250, 41158), (256, 41194), (271, 41242), (293, 41329),

Gene: Solosis_47 Start: 40091, Stop: 41407, Start Num: 45
Candidate Starts for Solosis_47:
(Start: 35 @40052 has 29 MA's), (38, 40061), (Start: 45 @40091 has 158 MA's), (Start: 49 @40100 has 129 MA's), (Start: 55 @40112 has 12 MA's), (Start: 56 @40118 has 81 MA's), (67, 40238), (69, 40280), (Start: 74 @40331 has 3 MA's), (85, 40445), (89, 40457), (110, 40559), (141, 40646), (143, 40649), (156, 40733), (160, 40751), (179, 40826), (192, 40901), (214, 41009), (228, 41087), (229, 41096), (250, 41156), (256, 41192), (271, 41240), (293, 41327),

Gene: Sophia_47 Start: 40085, Stop: 41401, Start Num: 45
Candidate Starts for Sophia_47:
(Start: 35 @40046 has 29 MA's), (38, 40055), (Start: 45 @40085 has 158 MA's), (Start: 49 @40094 has 129 MA's), (Start: 55 @40106 has 12 MA's), (Start: 56 @40112 has 81 MA's), (67, 40232), (69, 40274), (Start: 74 @40325 has 3 MA's), (85, 40439), (89, 40451), (110, 40553), (141, 40640), (143, 40643), (156, 40727), (160, 40745), (179, 40820), (192, 40895), (205, 40958), (214, 41003), (228, 41081), (229, 41090), (250, 41150), (256, 41186), (271, 41234), (293, 41321),

Gene: Soto_48 Start: 40352, Stop: 41707, Start Num: 35
Candidate Starts for Soto_48:
(Start: 35 @40352 has 29 MA's), (38, 40361), (Start: 45 @40391 has 158 MA's), (Start: 49 @40400 has 129 MA's), (Start: 55 @40412 has 12 MA's), (Start: 56 @40418 has 81 MA's), (67, 40538), (69, 40580), (Start: 74 @40631 has 3 MA's), (85, 40745), (89, 40757), (110, 40859), (141, 40946), (143, 40949), (156, 41033), (160, 41051), (179, 41126), (192, 41201), (205, 41264), (214, 41309), (228, 41387), (229, 41396), (250, 41456), (256, 41492), (271, 41540), (293, 41627),

Gene: Spartan300_48 Start: 40376, Stop: 41692, Start Num: 45
Candidate Starts for Spartan300_48:
(Start: 35 @40337 has 29 MA's), (38, 40346), (Start: 45 @40376 has 158 MA's), (Start: 49 @40385 has 129 MA's), (Start: 55 @40397 has 12 MA's), (Start: 56 @40403 has 81 MA's), (67, 40523), (69, 40565), (Start: 74 @40616 has 3 MA's), (85, 40730), (89, 40742), (110, 40844), (141, 40931), (143, 40934), (156, 41018), (160, 41036), (179, 41111), (192, 41186), (205, 41249), (214, 41294), (228, 41372), (229, 41381), (250, 41441), (256, 41477), (271, 41525), (293, 41612),

Gene: Squid_48 Start: 40103, Stop: 41413, Start Num: 55
Candidate Starts for Squid_48:
(Start: 35 @40043 has 29 MA's), (38, 40052), (Start: 45 @40082 has 158 MA's), (Start: 49 @40091 has 129 MA's), (Start: 55 @40103 has 12 MA's), (67, 40229), (69, 40271), (Start: 74 @40322 has 3 MA's), (81, 40391), (89, 40448), (110, 40562), (112, 40565), (141, 40652), (143, 40655), (156, 40739), (157, 40742), (160, 40757), (179, 40832), (192, 40907), (214, 41015), (228, 41093), (229, 41102), (250, 41162), (256, 41198), (271, 41246), (293, 41333),

Gene: Squiggle_48 Start: 40127, Stop: 41416, Start Num: 56
Candidate Starts for Squiggle_48:
(Start: 35 @40061 has 29 MA's), (38, 40070), (Start: 45 @40100 has 158 MA's), (Start: 49 @40109 has 129 MA's), (Start: 55 @40121 has 12 MA's), (Start: 56 @40127 has 81 MA's), (67, 40247), (69, 40289), (Start: 74 @40340 has 3 MA's), (85, 40454), (89, 40466), (110, 40568), (141, 40655), (143, 40658), (156, 40742), (160, 40760), (179, 40835), (192, 40910), (214, 41018), (228, 41096), (229, 41105), (250, 41165), (256, 41201), (271, 41249), (293, 41336),

Gene: StAB_21 Start: 19864, Stop: 21096, Start Num: 49
Candidate Starts for StAB_21:
(11, 19534), (12, 19549), (14, 19555), (Start: 49 @19864 has 129 MA's), (54, 19873), (77, 20110), (79, 20128), (96, 20257), (103, 20305), (163, 20503), (178, 20569), (185, 20593), (188, 20626), (213, 20752), (218, 20803), (231, 20866),

Gene: StCroix_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for StCroix_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Stiles_21 Start: 19641, Stop: 20984, Start Num: 49
Candidate Starts for Stiles_21:
(41, 19611), (43, 19626), (Start: 49 @19641 has 129 MA's), (Start: 56 @19659 has 81 MA's), (Start: 74 @19872 has 3 MA's), (85, 19986), (92, 20028), (106, 20082), (132, 20151), (168, 20322), (174, 20346), (187, 20406), (198, 20487), (201, 20508), (253, 20757), (264, 20793), (267, 20802), (269, 20808), (278, 20841), (292, 20898), (304, 20967),

Gene: Struggle_47 Start: 39959, Stop: 41248, Start Num: 56
Candidate Starts for Struggle_47:
(Start: 35 @39893 has 29 MA's), (38, 39902), (Start: 45 @39932 has 158 MA's), (Start: 49 @39941 has 129 MA's), (Start: 55 @39953 has 12 MA's), (Start: 56 @39959 has 81 MA's), (67, 40079), (69, 40121), (Start: 74 @40172 has 3 MA's), (85, 40286), (89, 40298), (110, 40400), (141, 40487), (143, 40490), (156, 40574), (160, 40592), (179, 40667), (192, 40742), (214, 40850), (228, 40928), (229, 40937), (250, 40997), (256, 41033), (271, 41081), (293, 41168),

Gene: Suffolk_48 Start: 40342, Stop: 41697, Start Num: 35
Candidate Starts for Suffolk_48:
(Start: 35 @40342 has 29 MA's), (38, 40351), (Start: 45 @40381 has 158 MA's), (Start: 49 @40390 has 129 MA's), (Start: 55 @40402 has 12 MA's), (Start: 56 @40408 has 81 MA's), (67, 40528), (69, 40570), (Start: 74 @40621 has 3 MA's), (85, 40735), (89, 40747), (110, 40849), (141, 40936), (143, 40939), (156, 41023), (160, 41041), (179, 41116), (192, 41191), (214, 41299), (228, 41377), (229, 41386), (234, 41401), (250, 41446), (256, 41482), (271, 41530), (293, 41617),

Gene: Surely_48 Start: 40387, Stop: 41703, Start Num: 45
Candidate Starts for Surely_48:
(Start: 35 @40348 has 29 MA's), (38, 40357), (Start: 45 @40387 has 158 MA's), (Start: 49 @40396 has 129 MA's), (Start: 55 @40408 has 12 MA's), (67, 40534), (69, 40576), (Start: 74 @40627 has 3 MA's), (85, 40741), (89, 40753), (110, 40855), (141, 40942), (143, 40945), (156, 41029), (160, 41047), (179, 41122), (192, 41197), (214, 41305), (228, 41383), (229, 41392), (250, 41452), (256, 41488), (271, 41536), (293, 41623),

Gene: Swann_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Swann_7:

(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Sweets_27 Start: 23880, Stop: 25196, Start Num: 48
Candidate Starts for Sweets_27:
(Start: 42 @23865 has 14 MA's), (Start: 48 @23880 has 59 MA's), (Start: 56 @23901 has 81 MA's), (67, 24021), (69, 24063), (Start: 74 @24114 has 3 MA's), (89, 24240), (116, 24363), (150, 24513), (210, 24780), (247, 24942), (270, 25029), (296, 25125), (308, 25188),

Gene: Swiphy_48 Start: 40409, Stop: 41698, Start Num: 56
Candidate Starts for Swiphy_48:
(Start: 35 @40343 has 29 MA's), (38, 40352), (Start: 45 @40382 has 158 MA's), (Start: 49 @40391 has 129 MA's), (Start: 55 @40403 has 12 MA's), (Start: 56 @40409 has 81 MA's), (67, 40529), (69, 40571), (Start: 74 @40622 has 3 MA's), (85, 40736), (89, 40748), (110, 40850), (141, 40937), (143, 40940), (156, 41024), (160, 41042), (179, 41117), (192, 41192), (214, 41300), (228, 41378), (229, 41387), (250, 41447), (256, 41483), (271, 41531), (293, 41618),

Gene: Swish_49 Start: 40505, Stop: 41821, Start Num: 45
Candidate Starts for Swish_49:
(Start: 35 @40466 has 29 MA's), (38, 40475), (Start: 45 @40505 has 158 MA's), (Start: 49 @40514 has 129 MA's), (Start: 55 @40526 has 12 MA's), (Start: 56 @40532 has 81 MA's), (67, 40652), (69, 40694), (Start: 74 @40745 has 3 MA's), (85, 40859), (89, 40871), (110, 40973), (141, 41060), (143, 41063), (156, 41147), (160, 41165), (179, 41240), (192, 41315), (214, 41423), (228, 41501), (229, 41510), (250, 41570), (256, 41606), (271, 41654), (293, 41741),

Gene: TWAMP_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for TWAMP_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: Taheera_27 Start: 23964, Stop: 25310, Start Num: 42
Candidate Starts for Taheera_27:
(Start: 42 @23964 has 14 MA's), (Start: 49 @23979 has 129 MA's), (Start: 56 @24000 has 81 MA's), (67, 24120), (69, 24162), (Start: 74 @24213 has 3 MA's), (89, 24339), (116, 24444), (146, 24558), (184, 24732), (205, 24852), (211, 24876), (221, 24954), (223, 24960), (229, 24993), (255, 25104), (260, 25122), (266, 25137), (293, 25221), (308, 25302),

Gene: Tairn4Wing_10 Start: 3802, Stop: 5085, Start Num: 49
Candidate Starts for Tairn4Wing_10:
(Start: 49 @3802 has 129 MA's), (Start: 56 @3820 has 81 MA's), (Start: 74 @4051 has 3 MA's), (103, 4264), (122, 4309), (144, 4387), (145, 4399), (164, 4492), (166, 4507), (187, 4591), (193, 4645), (200, 4690), (216, 4771), (239, 4864), (266, 4960), (281, 5017),

Gene: Takoda_7 Start: 1784, Stop: 3115, Start Num: 49
Candidate Starts for Takoda_7:
(24, 1607), (26, 1616), (31, 1658), (33, 1709), (Start: 49 @1784 has 129 MA's), (Start: 74 @2018 has 3 MA's), (94, 2180), (102, 2210), (134, 2312), (139, 2330), (149, 2384), (153, 2420), (174, 2495), (198, 2633), (211, 2687), (213, 2696), (220, 2756), (225, 2771), (230, 2801), (235, 2816), (256, 2888), (258, 2897), (277, 2954), (302, 3068),

Gene: TallGrassMM_48 Start: 40000, Stop: 41316, Start Num: 45

Candidate Starts for TallGrassMM_48:
(Start: 35 @39961 has 29 MA's), (38, 39970), (Start: 45 @40000 has 158 MA's), (Start: 49 @40009 has 129 MA's), (Start: 55 @40021 has 12 MA's), (Start: 56 @40027 has 81 MA's), (67, 40147), (69, 40189), (Start: 74 @40240 has 3 MA's), (85, 40354), (89, 40366), (110, 40468), (141, 40555), (143, 40558), (156, 40642), (160, 40660), (179, 40735), (192, 40810), (214, 40918), (228, 40996), (229, 41005), (250, 41065), (256, 41101), (271, 41149), (293, 41236),

Gene: Talon44_10 Start: 4006, Stop: 5289, Start Num: 49
Candidate Starts for Talon44_10:
(Start: 46 @4000 has 1 MA's), (Start: 49 @4006 has 129 MA's), (Start: 74 @4255 has 3 MA's), (103, 4468), (122, 4513), (164, 4696), (170, 4723), (187, 4795), (193, 4849), (194, 4852), (216, 4975), (239, 5068), (266, 5164), (281, 5221),

Gene: Tanis_9 Start: 3368, Stop: 4651, Start Num: 49
Candidate Starts for Tanis_9:
(Start: 49 @3368 has 129 MA's), (69, 3566), (Start: 74 @3617 has 3 MA's), (103, 3830), (122, 3875), (164, 4058), (187, 4157), (193, 4211), (216, 4337), (239, 4430), (266, 4526), (281, 4583),

Gene: Taraxa_48 Start: 39594, Stop: 40901, Start Num: 49
Candidate Starts for Taraxa_48:
(Start: 35 @39546 has 29 MA's), (38, 39555), (Start: 45 @39585 has 158 MA's), (Start: 49 @39594 has 129 MA's), (Start: 55 @39606 has 12 MA's), (Start: 56 @39612 has 81 MA's), (67, 39732), (69, 39774), (Start: 74 @39825 has 3 MA's), (85, 39939), (89, 39951), (110, 40053), (141, 40140), (143, 40143), (156, 40227), (160, 40245), (179, 40320), (192, 40395), (205, 40458), (214, 40503), (228, 40581), (229, 40590), (250, 40650), (256, 40686), (271, 40734), (293, 40821),

Gene: Telesworld_47 Start: 40079, Stop: 41395, Start Num: 45
Candidate Starts for Telesworld_47:
(Start: 35 @40040 has 29 MA's), (38, 40049), (Start: 45 @40079 has 158 MA's), (Start: 49 @40088 has 129 MA's), (Start: 55 @40100 has 12 MA's), (Start: 56 @40106 has 81 MA's), (67, 40226), (69, 40268), (Start: 74 @40319 has 3 MA's), (85, 40433), (89, 40445), (110, 40547), (141, 40634), (143, 40637), (156, 40721), (160, 40739), (179, 40814), (192, 40889), (214, 40997), (228, 41075), (229, 41084), (250, 41144), (256, 41180), (271, 41228), (293, 41315),

Gene: TenaciousP_13 Start: 6647, Stop: 7933, Start Num: 49
Candidate Starts for TenaciousP_13:
(Start: 49 @6647 has 129 MA's), (Start: 56 @6665 has 81 MA's), (59, 6719), (67, 6803), (Start: 74 @6896 has 3 MA's), (85, 7010), (94, 7058), (103, 7109), (119, 7145), (121, 7151), (164, 7337), (166, 7352), (193, 7490), (226, 7667), (239, 7712), (243, 7730), (279, 7853), (281, 7865),

Gene: Terralys_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Terralys_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Terror_27 Start: 23964, Stop: 25310, Start Num: 42
Candidate Starts for Terror_27:
(Start: 42 @23964 has 14 MA's), (Start: 49 @23979 has 129 MA's), (Start: 56 @24000 has 81 MA's), (67, 24120), (69, 24162), (Start: 74 @24213 has 3 MA's), (89, 24339), (116, 24444), (146, 24558), (184, 24732), (205, 24852), (211, 24876), (221, 24954), (223, 24960), (229, 24993), (255, 25104), (260, 25122), (266, 25137), (293, 25221), (308, 25302),

Gene: Thora_48 Start: 40386, Stop: 41702, Start Num: 45
Candidate Starts for Thora_48:
(Start: 35 @40347 has 29 MA's), (38, 40356), (Start: 45 @40386 has 158 MA's), (Start: 49 @40395 has 129 MA's), (Start: 55 @40407 has 12 MA's), (Start: 56 @40413 has 81 MA's), (67, 40533), (69, 40575), (Start: 74 @40626 has 3 MA's), (85, 40740), (89, 40752), (110, 40854), (141, 40941), (143, 40944), (156, 41028), (157, 41031), (160, 41046), (179, 41121), (192, 41196), (214, 41304), (228, 41382), (229, 41391), (250, 41451), (256, 41487), (271, 41535), (293, 41622),

Gene: ThreeOh3D2_49 Start: 40546, Stop: 41835, Start Num: 56
Candidate Starts for ThreeOh3D2_49:
(Start: 35 @40480 has 29 MA's), (38, 40489), (Start: 45 @40519 has 158 MA's), (Start: 49 @40528 has 129 MA's), (Start: 55 @40540 has 12 MA's), (Start: 56 @40546 has 81 MA's), (67, 40666), (69, 40708), (Start: 74 @40759 has 3 MA's), (85, 40873), (89, 40885), (110, 40987), (141, 41074), (143, 41077), (156, 41161), (160, 41179), (179, 41254), (192, 41329), (214, 41437), (228, 41515), (229, 41524), (250, 41584), (256, 41620), (271, 41668), (293, 41755),

Gene: Thunderbird_47 Start: 40096, Stop: 41403, Start Num: 49
Candidate Starts for Thunderbird_47:
(Start: 35 @40048 has 29 MA's), (38, 40057), (Start: 45 @40087 has 158 MA's), (Start: 49 @40096 has 129 MA's), (Start: 55 @40108 has 12 MA's), (Start: 56 @40114 has 81 MA's), (67, 40234), (69, 40276), (Start: 74 @40327 has 3 MA's), (85, 40441), (89, 40453), (110, 40555), (141, 40642), (143, 40645), (156, 40729), (160, 40747), (179, 40822), (192, 40897), (214, 41005), (228, 41083), (229, 41092), (250, 41152), (256, 41188), (271, 41236), (293, 41323),

Gene: Timmi_47 Start: 40095, Stop: 41402, Start Num: 49
Candidate Starts for Timmi_47:
(Start: 35 @40047 has 29 MA's), (38, 40056), (Start: 45 @40086 has 158 MA's), (Start: 49 @40095 has 129 MA's), (Start: 55 @40107 has 12 MA's), (Start: 56 @40113 has 81 MA's), (67, 40233), (69, 40275), (Start: 74 @40326 has 3 MA's), (85, 40440), (89, 40452), (110, 40554), (141, 40641), (143, 40644), (156, 40728), (160, 40746), (179, 40821), (192, 40896), (214, 41004), (228, 41082), (229, 41091), (250, 41151), (256, 41187), (271, 41235), (293, 41322),

Gene: TinaBug_27 Start: 23880, Stop: 25196, Start Num: 48
Candidate Starts for TinaBug_27:
(Start: 42 @23865 has 14 MA's), (Start: 48 @23880 has 59 MA's), (Start: 56 @23901 has 81 MA's), (67, 24021), (69, 24063), (Start: 74 @24114 has 3 MA's), (89, 24240), (116, 24363), (150, 24513), (210, 24780), (247, 24942), (270, 25029), (296, 25125), (308, 25188),

Gene: TomBombadil_48 Start: 40371, Stop: 41687, Start Num: 45
Candidate Starts for TomBombadil_48:
(Start: 35 @40332 has 29 MA's), (38, 40341), (Start: 45 @40371 has 158 MA's), (Start: 49 @40380 has 129 MA's), (Start: 55 @40392 has 12 MA's), (Start: 56 @40398 has 81 MA's), (67, 40518), (69, 40560), (Start: 74 @40611 has 3 MA's), (85, 40725), (89, 40737), (110, 40839), (141, 40926), (143, 40929), (156, 41013), (160, 41031), (179, 41106), (192, 41181), (214, 41289), (228, 41367), (229, 41376), (250, 41436), (256, 41472), (271, 41520), (293, 41607),

Gene: TomBrady_27 Start: 23886, Stop: 25202, Start Num: 48
Candidate Starts for TomBrady_27:
(Start: 42 @23871 has 14 MA's), (Start: 48 @23886 has 59 MA's), (Start: 56 @23907 has 81 MA's), (67, 24027), (69, 24069), (Start: 74 @24120 has 3 MA's), (89, 24246), (116, 24369), (150, 24519), (210, 24786), (247, 24948), (270, 25035), (296, 25131), (308, 25194),

Gene: Tomlarah_48 Start: 40374, Stop: 41690, Start Num: 45

Candidate Starts for Tomlarah_48:
(Start: 35 @40335 has 29 MA's), (38, 40344), (Start: 45 @40374 has 158 MA's), (Start: 49 @40383 has 129 MA's), (Start: 55 @40395 has 12 MA's), (Start: 56 @40401 has 81 MA's), (67, 40521), (69, 40563), (Start: 74 @40614 has 3 MA's), (85, 40728), (89, 40740), (110, 40842), (141, 40929), (143, 40932), (156, 41016), (160, 41034), (179, 41109), (192, 41184), (214, 41292), (228, 41370), (229, 41379), (250, 41439), (256, 41475), (271, 41523), (293, 41610),

Gene: Tonaltzin_13 Start: 6647, Stop: 7933, Start Num: 49
Candidate Starts for Tonaltzin_13:
(Start: 49 @6647 has 129 MA's), (Start: 56 @6665 has 81 MA's), (67, 6803), (Start: 74 @6896 has 3 MA's), (85, 7010), (94, 7058), (103, 7109), (119, 7145), (121, 7151), (164, 7337), (166, 7352), (193, 7490), (226, 7667), (239, 7712), (243, 7730), (279, 7853), (281, 7865),

Gene: Toni_47 Start: 40078, Stop: 41394, Start Num: 45
Candidate Starts for Toni_47:
(Start: 35 @40039 has 29 MA's), (38, 40048), (Start: 45 @40078 has 158 MA's), (Start: 49 @40087 has 129 MA's), (Start: 55 @40099 has 12 MA's), (Start: 56 @40105 has 81 MA's), (67, 40225), (69, 40267), (Start: 74 @40318 has 3 MA's), (85, 40432), (89, 40444), (110, 40546), (141, 40633), (143, 40636), (156, 40720), (160, 40738), (179, 40813), (192, 40888), (214, 40996), (228, 41074), (229, 41083), (250, 41143), (256, 41179), (271, 41227), (293, 41314),

Gene: TooFast2Furius_49 Start: 40616, Stop: 41932, Start Num: 45
Candidate Starts for TooFast2Furius_49:
(Start: 35 @40577 has 29 MA's), (38, 40586), (Start: 45 @40616 has 158 MA's), (Start: 49 @40625 has 129 MA's), (Start: 55 @40637 has 12 MA's), (Start: 56 @40643 has 81 MA's), (67, 40763), (69, 40805), (Start: 74 @40856 has 3 MA's), (85, 40970), (89, 40982), (110, 41084), (141, 41171), (143, 41174), (156, 41258), (160, 41276), (179, 41351), (192, 41426), (214, 41534), (228, 41612), (229, 41621), (250, 41681), (256, 41717), (271, 41765), (293, 41852),

Gene: Tooj_48 Start: 40441, Stop: 41769, Start Num: 45
Candidate Starts for Tooj_48:
(Start: 35 @40402 has 29 MA's), (38, 40411), (Start: 45 @40441 has 158 MA's), (Start: 49 @40450 has 129 MA's), (Start: 55 @40462 has 12 MA's), (67, 40588), (69, 40630), (Start: 74 @40681 has 3 MA's), (81, 40750), (89, 40807), (110, 40921), (141, 41008), (143, 41011), (156, 41095), (157, 41098), (160, 41113), (179, 41188), (192, 41263), (214, 41371), (228, 41449), (229, 41458), (234, 41473), (250, 41518), (256, 41554), (271, 41602), (293, 41689),

Gene: TouchMeNot_24 Start: 22733, Stop: 24118, Start Num: 49
Candidate Starts for TouchMeNot_24:
(30, 22610), (Start: 49 @22733 has 129 MA's), (53, 22742), (58, 22760), (79, 23012), (83, 23081), (84, 23087), (88, 23096), (95, 23135), (97, 23141), (108, 23192), (127, 23246), (139, 23285), (151, 23366), (158, 23384), (183, 23489), (193, 23561), (206, 23627), (259, 23861), (275, 23915), (304, 24038), (309, 24059), (310, 24095), (311, 24101),

Gene: Triad_48 Start: 39254, Stop: 40573, Start Num: 49
Candidate Starts for Triad_48:
(Start: 35 @39206 has 29 MA's), (38, 39215), (Start: 45 @39245 has 158 MA's), (Start: 49 @39254 has 129 MA's), (Start: 55 @39266 has 12 MA's), (67, 39392), (69, 39434), (Start: 74 @39485 has 3 MA's), (81, 39554), (89, 39611), (94, 39650), (110, 39725), (141, 39812), (143, 39815), (156, 39899), (157, 39902), (160, 39917), (179, 39992), (192, 40067), (214, 40175), (228, 40253), (229, 40262), (250, 40322), (256, 40358), (271, 40406), (293, 40493),

Gene: Troy_21 Start: 19818, Stop: 21044, Start Num: 49

Candidate Starts for Troy_21:
(Start: 49 @19818 has 129 MA's), (54, 19827), (Start: 56 @19833 has 81 MA's), (77, 20064), (79, 20082), (96, 20211), (103, 20259), (163, 20457), (178, 20523), (185, 20547), (188, 20580), (218, 20757), (231, 20820),

Gene: True_47 Start: 40084, Stop: 41400, Start Num: 45
Candidate Starts for True_47:
(Start: 35 @40045 has 29 MA's), (38, 40054), (Start: 45 @40084 has 158 MA's), (Start: 49 @40093 has 129 MA's), (Start: 55 @40105 has 12 MA's), (67, 40231), (69, 40273), (Start: 74 @40324 has 3 MA's), (85, 40438), (89, 40450), (110, 40552), (141, 40639), (143, 40642), (156, 40726), (160, 40744), (179, 40819), (192, 40894), (214, 41002), (228, 41080), (229, 41089), (250, 41149), (256, 41185), (271, 41233), (293, 41320),

Gene: Trufflozitus_9 Start: 3802, Stop: 5085, Start Num: 49
Candidate Starts for Trufflozitus_9:
(Start: 49 @3802 has 129 MA's), (Start: 56 @3820 has 81 MA's), (Start: 74 @4051 has 3 MA's), (103, 4264), (122, 4309), (144, 4387), (145, 4399), (164, 4492), (166, 4507), (187, 4591), (193, 4645), (200, 4690), (216, 4771), (239, 4864), (266, 4960), (281, 5017),

Gene: Trypo_49 Start: 40542, Stop: 41831, Start Num: 56
Candidate Starts for Trypo_49:
(Start: 35 @40476 has 29 MA's), (38, 40485), (Start: 45 @40515 has 158 MA's), (Start: 49 @40524 has 129 MA's), (Start: 55 @40536 has 12 MA's), (Start: 56 @40542 has 81 MA's), (67, 40662), (69, 40704), (Start: 74 @40755 has 3 MA's), (85, 40869), (89, 40881), (110, 40983), (141, 41070), (143, 41073), (156, 41157), (160, 41175), (179, 41250), (192, 41325), (214, 41433), (228, 41511), (229, 41520), (250, 41580), (256, 41616), (271, 41664), (293, 41751),

Gene: Typha_31 Start: 27779, Stop: 29089, Start Num: 51
Candidate Starts for Typha_31:
(19, 27539), (Start: 51 @27779 has 5 MA's), (67, 27917), (69, 27959), (Start: 74 @28010 has 3 MA's), (89, 28136), (114, 28238), (119, 28256), (121, 28262), (124, 28271), (146, 28361), (167, 28469), (173, 28490), (184, 28538), (186, 28553), (190, 28580), (203, 28649), (205, 28658), (223, 28766), (227, 28787), (229, 28799), (232, 28808), (247, 28847), (248, 28850), (260, 28901), (266, 28916), (283, 28961), (284, 28964), (293, 29000), (304, 29069), (308, 29081),

Gene: TyrionL_47 Start: 39901, Stop: 41256, Start Num: 35
Candidate Starts for TyrionL_47:
(Start: 35 @39901 has 29 MA's), (38, 39910), (Start: 45 @39940 has 158 MA's), (Start: 49 @39949 has 129 MA's), (Start: 55 @39961 has 12 MA's), (Start: 56 @39967 has 81 MA's), (67, 40087), (69, 40129), (Start: 74 @40180 has 3 MA's), (85, 40294), (89, 40306), (110, 40408), (141, 40495), (143, 40498), (156, 40582), (160, 40600), (179, 40675), (192, 40750), (214, 40858), (228, 40936), (229, 40945), (250, 41005), (256, 41041), (271, 41089), (293, 41176),

Gene: UAch1_48 Start: 40354, Stop: 41724, Start Num: 35
Candidate Starts for UAch1_48:
(Start: 35 @40354 has 29 MA's), (38, 40363), (Start: 45 @40393 has 158 MA's), (Start: 49 @40402 has 129 MA's), (Start: 55 @40414 has 12 MA's), (67, 40540), (69, 40582), (Start: 74 @40633 has 3 MA's), (81, 40702), (89, 40759), (110, 40873), (112, 40876), (141, 40963), (143, 40966), (156, 41050), (157, 41053), (160, 41068), (179, 41143), (192, 41218), (214, 41326), (228, 41404), (229, 41413), (234, 41428), (250, 41473), (256, 41509), (271, 41557), (293, 41644),

Gene: Ubuntu_32 Start: 27131, Stop: 28339, Start Num: 63
Candidate Starts for Ubuntu_32:

(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: UhSalsa_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for UhSalsa_7:
(15, 1549), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (299, 3067), (302, 3076),

Gene: UncleHowie_48 Start: 40083, Stop: 41399, Start Num: 45
Candidate Starts for UncleHowie_48:
(Start: 35 @40044 has 29 MA's), (38, 40053), (Start: 45 @40083 has 158 MA's), (Start: 49 @40092 has 129 MA's), (Start: 55 @40104 has 12 MA's), (67, 40230), (69, 40272), (Start: 74 @40323 has 3 MA's), (85, 40437), (89, 40449), (110, 40551), (141, 40638), (143, 40641), (156, 40725), (160, 40743), (179, 40818), (192, 40893), (214, 41001), (228, 41079), (229, 41088), (250, 41148), (256, 41184), (271, 41232), (293, 41319),

Gene: Untouchable_12 Start: 5370, Stop: 6656, Start Num: 49
Candidate Starts for Untouchable_12:
(Start: 47 @5367 has 1 MA's), (Start: 49 @5370 has 129 MA's), (Start: 56 @5388 has 81 MA's), (Start: 74 @5619 has 3 MA's), (103, 5832), (105, 5835), (121, 5874), (164, 6060), (166, 6075), (177, 6117), (193, 6213), (226, 6390), (239, 6435), (243, 6453), (279, 6576), (281, 6588),

Gene: Usavi_48 Start: 40409, Stop: 41698, Start Num: 56
Candidate Starts for Usavi_48:
(1, 39623), (2, 39626), (3, 39638), (4, 39647), (5, 39650), (6, 39653), (7, 39680), (8, 39683), (9, 39821), (10, 40004), (16, 40133), (Start: 35 @40343 has 29 MA's), (38, 40352), (Start: 45 @40382 has 158 MA's), (Start: 49 @40391 has 129 MA's), (Start: 55 @40403 has 12 MA's), (Start: 56 @40409 has 81 MA's), (67, 40529), (69, 40571), (Start: 74 @40622 has 3 MA's), (85, 40736), (89, 40748), (110, 40850), (141, 40937), (143, 40940), (156, 41024), (160, 41042), (179, 41117), (192, 41192), (214, 41300), (228, 41378), (229, 41387), (234, 41402), (250, 41447), (256, 41483), (271, 41531), (293, 41618),

Gene: Vaishali24_47 Start: 40042, Stop: 41370, Start Num: 45
Candidate Starts for Vaishali24_47:
(Start: 35 @40003 has 29 MA's), (38, 40012), (Start: 45 @40042 has 158 MA's), (Start: 49 @40051 has 129 MA's), (Start: 55 @40063 has 12 MA's), (67, 40189), (69, 40231), (Start: 74 @40282 has 3 MA's), (81, 40351), (89, 40408), (110, 40522), (141, 40609), (143, 40612), (156, 40696), (157, 40699), (160, 40714), (179, 40789), (192, 40864), (214, 40972), (228, 41050), (229, 41059), (234, 41074), (250, 41119), (256, 41155), (271, 41203), (293, 41290),

Gene: Valjean_48 Start: 40379, Stop: 41695, Start Num: 45
Candidate Starts for Valjean_48:
(Start: 35 @40340 has 29 MA's), (38, 40349), (Start: 45 @40379 has 158 MA's), (Start: 49 @40388 has 129 MA's), (Start: 55 @40400 has 12 MA's), (Start: 56 @40406 has 81 MA's), (67, 40526), (69, 40568), (Start: 74 @40619 has 3 MA's), (85, 40733), (89, 40745), (110, 40847), (141, 40934), (143, 40937), (156, 41021), (160, 41039), (179, 41114), (192, 41189), (214, 41297), (228, 41375), (229, 41384), (250, 41444), (256, 41480), (271, 41528), (293, 41615),

Gene: Vardy_13 Start: 6443, Stop: 7729, Start Num: 49
Candidate Starts for Vardy_13:
(Start: 44 @6431 has 3 MA's), (Start: 45 @6434 has 158 MA's), (Start: 47 @6440 has 1 MA's), (Start: 49 @6443 has 129 MA's), (Start: 56 @6461 has 81 MA's), (Start: 74 @6692 has 3 MA's), (94, 6854), (103, 6905), (105, 6908), (121, 6947), (164, 7133), (166, 7148), (193, 7286), (226, 7463), (239, 7508), (243, 7526), (279, 7649), (281, 7661), (289, 7700),

Gene: Vaticameos_44 Start: 38065, Stop: 39381, Start Num: 45
Candidate Starts for Vaticameos_44:
(Start: 35 @38026 has 29 MA's), (38, 38035), (Start: 45 @38065 has 158 MA's), (Start: 49 @38074 has 129 MA's), (Start: 55 @38086 has 12 MA's), (Start: 56 @38092 has 81 MA's), (67, 38212), (69, 38254), (Start: 74 @38305 has 3 MA's), (85, 38419), (89, 38431), (110, 38533), (141, 38620), (143, 38623), (156, 38707), (160, 38725), (179, 38800), (192, 38875), (214, 38983), (228, 39061), (229, 39070), (250, 39130), (256, 39166), (271, 39214), (293, 39301),

Gene: Vectra_47 Start: 39934, Stop: 41265, Start Num: 45
Candidate Starts for Vectra_47:
(Start: 35 @39895 has 29 MA's), (38, 39904), (Start: 45 @39934 has 158 MA's), (Start: 49 @39943 has 129 MA's), (Start: 55 @39955 has 12 MA's), (Start: 56 @39961 has 81 MA's), (67, 40081), (69, 40123), (Start: 74 @40174 has 3 MA's), (81, 40243), (89, 40300), (110, 40414), (112, 40417), (141, 40504), (143, 40507), (156, 40591), (157, 40594), (160, 40609), (179, 40684), (192, 40759), (214, 40867), (228, 40945), (229, 40954), (250, 41014), (256, 41050), (271, 41098), (293, 41185),

Gene: Veritas_47 Start: 39973, Stop: 41277, Start Num: 56
Candidate Starts for Veritas_47:
(Start: 35 @39907 has 29 MA's), (38, 39916), (Start: 45 @39946 has 158 MA's), (Start: 49 @39955 has 129 MA's), (Start: 55 @39967 has 12 MA's), (Start: 56 @39973 has 81 MA's), (67, 40093), (69, 40135), (Start: 74 @40186 has 3 MA's), (89, 40312), (110, 40426), (112, 40429), (141, 40516), (143, 40519), (156, 40603), (157, 40606), (160, 40621), (179, 40696), (192, 40771), (214, 40879), (228, 40957), (229, 40966), (250, 41026), (256, 41062), (271, 41110), (293, 41197),

Gene: Virapocalypse_48 Start: 40401, Stop: 41690, Start Num: 56
Candidate Starts for Virapocalypse_48:
(Start: 35 @40335 has 29 MA's), (38, 40344), (Start: 45 @40374 has 158 MA's), (Start: 49 @40383 has 129 MA's), (Start: 55 @40395 has 12 MA's), (Start: 56 @40401 has 81 MA's), (67, 40521), (69, 40563), (Start: 74 @40614 has 3 MA's), (85, 40728), (89, 40740), (110, 40842), (141, 40929), (143, 40932), (156, 41016), (157, 41019), (160, 41034), (179, 41109), (192, 41184), (214, 41292), (228, 41370), (229, 41379), (234, 41394), (250, 41439), (256, 41475), (271, 41523), (293, 41610),

Gene: Virgeve_47 Start: 40112, Stop: 41467, Start Num: 35
Candidate Starts for Virgeve_47:
(Start: 35 @40112 has 29 MA's), (38, 40121), (Start: 45 @40151 has 158 MA's), (Start: 49 @40160 has 129 MA's), (Start: 55 @40172 has 12 MA's), (Start: 56 @40178 has 81 MA's), (67, 40298), (69, 40340), (Start: 74 @40391 has 3 MA's), (85, 40505), (89, 40517), (110, 40619), (141, 40706), (143, 40709), (156, 40793), (160, 40811), (179, 40886), (192, 40961), (214, 41069), (228, 41147), (229, 41156), (250, 41216), (256, 41252), (271, 41300), (293, 41387),

Gene: Vista_48 Start: 40405, Stop: 41700, Start Num: 55
Candidate Starts for Vista_48:
(Start: 35 @40345 has 29 MA's), (38, 40354), (Start: 45 @40384 has 158 MA's), (Start: 49 @40393 has 129 MA's), (Start: 55 @40405 has 12 MA's), (67, 40531), (69, 40573), (Start: 74 @40624 has 3 MA's), (85, 40738), (89, 40750), (110, 40852), (141, 40939), (143, 40942), (156, 41026), (160, 41044), (179, 41119), (192, 41194), (214, 41302), (228, 41380), (229, 41389), (250, 41449), (256, 41485),

(271, 41533), (293, 41620),

Gene: Vivaldi_49 Start: 40768, Stop: 42135, Start Num: 35
Candidate Starts for Vivaldi_49:
(Start: 35 @40768 has 29 MA's), (38, 40777), (Start: 45 @40807 has 158 MA's), (Start: 49 @40816 has 129 MA's), (Start: 55 @40828 has 12 MA's), (67, 40954), (69, 40996), (Start: 74 @41047 has 3 MA's), (81, 41116), (89, 41173), (110, 41287), (141, 41374), (143, 41377), (156, 41461), (157, 41464), (160, 41479), (179, 41554), (192, 41629), (214, 41737), (228, 41815), (229, 41824), (234, 41839), (250, 41884), (256, 41920), (271, 41968), (293, 42055),

Gene: Vortex_48 Start: 40042, Stop: 41397, Start Num: 35
Candidate Starts for Vortex_48:
(Start: 35 @40042 has 29 MA's), (38, 40051), (Start: 45 @40081 has 158 MA's), (Start: 49 @40090 has 129 MA's), (Start: 55 @40102 has 12 MA's), (Start: 56 @40108 has 81 MA's), (67, 40228), (69, 40270), (Start: 74 @40321 has 3 MA's), (85, 40435), (89, 40447), (110, 40549), (141, 40636), (143, 40639), (156, 40723), (160, 40741), (179, 40816), (192, 40891), (214, 40999), (228, 41077), (229, 41086), (250, 41146), (256, 41182), (271, 41230), (293, 41317),

Gene: Wallhey_47 Start: 39944, Stop: 41260, Start Num: 45
Candidate Starts for Wallhey_47:
(Start: 35 @39905 has 29 MA's), (38, 39914), (Start: 45 @39944 has 158 MA's), (Start: 49 @39953 has 129 MA's), (Start: 55 @39965 has 12 MA's), (Start: 56 @39971 has 81 MA's), (67, 40091), (69, 40133), (Start: 74 @40184 has 3 MA's), (85, 40298), (89, 40310), (110, 40412), (141, 40499), (143, 40502), (156, 40586), (160, 40604), (179, 40679), (192, 40754), (214, 40862), (228, 40940), (229, 40949), (250, 41009), (256, 41045), (271, 41093), (293, 41180),

Gene: Waterdiva_48 Start: 40376, Stop: 41692, Start Num: 45
Candidate Starts for Waterdiva_48:
(Start: 35 @40337 has 29 MA's), (38, 40346), (Start: 45 @40376 has 158 MA's), (Start: 49 @40385 has 129 MA's), (Start: 55 @40397 has 12 MA's), (Start: 56 @40403 has 81 MA's), (67, 40523), (69, 40565), (Start: 74 @40616 has 3 MA's), (85, 40730), (89, 40742), (110, 40844), (141, 40931), (143, 40934), (156, 41018), (160, 41036), (179, 41111), (192, 41186), (214, 41294), (228, 41372), (229, 41381), (250, 41441), (256, 41477), (271, 41525), (293, 41612),

Gene: Webster2_32 Start: 26981, Stop: 28339, Start Num: 39
Candidate Starts for Webster2_32:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Weher20_48 Start: 40375, Stop: 41691, Start Num: 45
Candidate Starts for Weher20_48:
(Start: 35 @40336 has 29 MA's), (38, 40345), (Start: 45 @40375 has 158 MA's), (Start: 49 @40384 has 129 MA's), (Start: 55 @40396 has 12 MA's), (Start: 56 @40402 has 81 MA's), (67, 40522), (69, 40564), (Start: 74 @40615 has 3 MA's), (85, 40729), (89, 40741), (110, 40843), (141, 40930), (143, 40933), (156, 41017), (157, 41020), (160, 41035), (179, 41110), (192, 41185), (214, 41293), (228, 41371), (229, 41380), (234, 41395), (250, 41440), (256, 41476), (271, 41524), (293, 41611),

Gene: Wendigo_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Wendigo_27:

(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Windsor_47 Start: 40107, Stop: 41396, Start Num: 56
Candidate Starts for Windsor_47:
(Start: 35 @40041 has 29 MA's), (38, 40050), (Start: 45 @40080 has 158 MA's), (Start: 49 @40089 has 129 MA's), (Start: 55 @40101 has 12 MA's), (Start: 56 @40107 has 81 MA's), (67, 40227), (69, 40269), (Start: 74 @40320 has 3 MA's), (85, 40434), (89, 40446), (110, 40548), (141, 40635), (143, 40638), (156, 40722), (160, 40740), (179, 40815), (192, 40890), (214, 40998), (228, 41076), (229, 41085), (250, 41145), (256, 41181), (271, 41229), (293, 41316),

Gene: Wishmaker_31 Start: 27131, Stop: 28339, Start Num: 63
Candidate Starts for Wishmaker_31:
(Start: 39 @26981 has 13 MA's), (50, 27014), (Start: 63 @27131 has 10 MA's), (64, 27137), (76, 27272), (77, 27281), (87, 27374), (95, 27422), (115, 27491), (116, 27494), (119, 27506), (146, 27608), (147, 27611), (156, 27668), (167, 27713), (169, 27719), (170, 27722), (181, 27770), (184, 27782), (212, 27932), (214, 27947), (221, 28004), (223, 28010), (229, 28043), (232, 28055), (240, 28076), (247, 28097), (251, 28109), (255, 28136), (257, 28142), (260, 28154), (269, 28172), (274, 28190), (282, 28211), (284, 28217), (293, 28253), (302, 28298), (307, 28328), (308, 28331),

Gene: Xavier_47 Start: 40088, Stop: 41404, Start Num: 45
Candidate Starts for Xavier_47:
(Start: 35 @40049 has 29 MA's), (38, 40058), (Start: 45 @40088 has 158 MA's), (Start: 49 @40097 has 129 MA's), (Start: 55 @40109 has 12 MA's), (Start: 56 @40115 has 81 MA's), (67, 40235), (69, 40277), (Start: 74 @40328 has 3 MA's), (85, 40442), (89, 40454), (110, 40556), (141, 40643), (143, 40646), (156, 40730), (160, 40748), (179, 40823), (192, 40898), (214, 41006), (228, 41084), (229, 41093), (250, 41153), (256, 41189), (271, 41237), (293, 41324),

Gene: Yogi_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Yogi_7:
(15, 1549), (22, 1603), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (94, 2188), (102, 2218), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (302, 3076),

Gene: Yoncess_7 Start: 1792, Stop: 3123, Start Num: 49
Candidate Starts for Yoncess_7:
(15, 1549), (22, 1603), (33, 1717), (Start: 49 @1792 has 129 MA's), (Start: 74 @2026 has 3 MA's), (94, 2188), (102, 2218), (134, 2320), (139, 2338), (149, 2392), (153, 2428), (174, 2503), (198, 2641), (213, 2704), (220, 2764), (225, 2779), (230, 2809), (235, 2824), (256, 2896), (258, 2905), (277, 2962), (302, 3076),

Gene: Yoshand_49 Start: 40518, Stop: 41834, Start Num: 45
Candidate Starts for Yoshand_49:
(Start: 35 @40479 has 29 MA's), (38, 40488), (Start: 45 @40518 has 158 MA's), (Start: 49 @40527 has 129 MA's), (Start: 55 @40539 has 12 MA's), (Start: 56 @40545 has 81 MA's), (67, 40665), (69, 40707), (Start: 74 @40758 has 3 MA's), (85, 40872), (89, 40884), (110, 40986), (141, 41073), (143, 41076), (156, 41160), (160, 41178), (179, 41253), (192, 41328), (214, 41436), (228, 41514), (229, 41523), (250, 41583), (256, 41619), (271, 41667), (293, 41754),

Gene: YouGoGlencoco_48 Start: 40378, Stop: 41694, Start Num: 45
Candidate Starts for YouGoGlencoco_48:

(Start: 35 @40339 has 29 MA's), (38, 40348), (Start: 45 @40378 has 158 MA's), (Start: 49 @40387 has 129 MA's), (Start: 55 @40399 has 12 MA's), (67, 40525), (69, 40567), (Start: 74 @40618 has 3 MA's), (85, 40732), (89, 40744), (110, 40846), (141, 40933), (143, 40936), (156, 41020), (160, 41038), (179, 41113), (192, 41188), (214, 41296), (228, 41374), (229, 41383), (250, 41443), (256, 41479), (271, 41527), (293, 41614),

Gene: Zaider_49 Start: 40608, Stop: 41924, Start Num: 45
Candidate Starts for Zaider_49:
(Start: 35 @40569 has 29 MA's), (38, 40578), (Start: 45 @40608 has 158 MA's), (Start: 49 @40617 has 129 MA's), (Start: 55 @40629 has 12 MA's), (67, 40755), (69, 40797), (Start: 74 @40848 has 3 MA's), (85, 40962), (89, 40974), (110, 41076), (141, 41163), (143, 41166), (156, 41250), (160, 41268), (179, 41343), (192, 41418), (214, 41526), (228, 41604), (229, 41613), (250, 41673), (256, 41709), (271, 41757), (293, 41844),

Gene: Zelda_48 Start: 40425, Stop: 41741, Start Num: 45
Candidate Starts for Zelda_48:
(Start: 35 @40386 has 29 MA's), (38, 40395), (Start: 45 @40425 has 158 MA's), (Start: 49 @40434 has 129 MA's), (Start: 55 @40446 has 12 MA's), (67, 40572), (69, 40614), (Start: 74 @40665 has 3 MA's), (85, 40779), (89, 40791), (110, 40893), (141, 40980), (143, 40983), (156, 41067), (160, 41085), (179, 41160), (192, 41235), (214, 41343), (228, 41421), (229, 41430), (250, 41490), (256, 41526), (271, 41574), (293, 41661),

Gene: Zeph_12 Start: 5620, Stop: 6915, Start Num: 45
Candidate Starts for Zeph_12:
(Start: 44 @5617 has 3 MA's), (Start: 45 @5620 has 158 MA's), (Start: 47 @5626 has 1 MA's), (Start: 49 @5629 has 129 MA's), (Start: 56 @5647 has 81 MA's), (Start: 74 @5878 has 3 MA's), (94, 6040), (103, 6091), (119, 6127), (121, 6133), (122, 6136), (164, 6319), (193, 6472), (226, 6649), (239, 6694), (243, 6712), (279, 6835), (281, 6847), (289, 6886),

Gene: ZoMa_27 Start: 23870, Stop: 25201, Start Num: 42
Candidate Starts for ZoMa_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Zombie_27 Start: 23885, Stop: 25201, Start Num: 48
Candidate Starts for Zombie_27:
(Start: 42 @23870 has 14 MA's), (Start: 48 @23885 has 59 MA's), (Start: 56 @23906 has 81 MA's), (67, 24026), (69, 24068), (Start: 74 @24119 has 3 MA's), (89, 24245), (116, 24368), (150, 24518), (210, 24785), (247, 24947), (270, 25034), (296, 25130), (308, 25193),

Gene: Zonia_48 Start: 40356, Stop: 41711, Start Num: 35
Candidate Starts for Zonia_48:
(Start: 35 @40356 has 29 MA's), (38, 40365), (Start: 45 @40395 has 158 MA's), (Start: 49 @40404 has 129 MA's), (Start: 55 @40416 has 12 MA's), (Start: 56 @40422 has 81 MA's), (67, 40542), (69, 40584), (Start: 74 @40635 has 3 MA's), (85, 40749), (89, 40761), (110, 40863), (141, 40950), (143, 40953), (156, 41037), (160, 41055), (179, 41130), (192, 41205), (214, 41313), (228, 41391), (229, 41400), (250, 41460), (256, 41496), (271, 41544), (293, 41631),