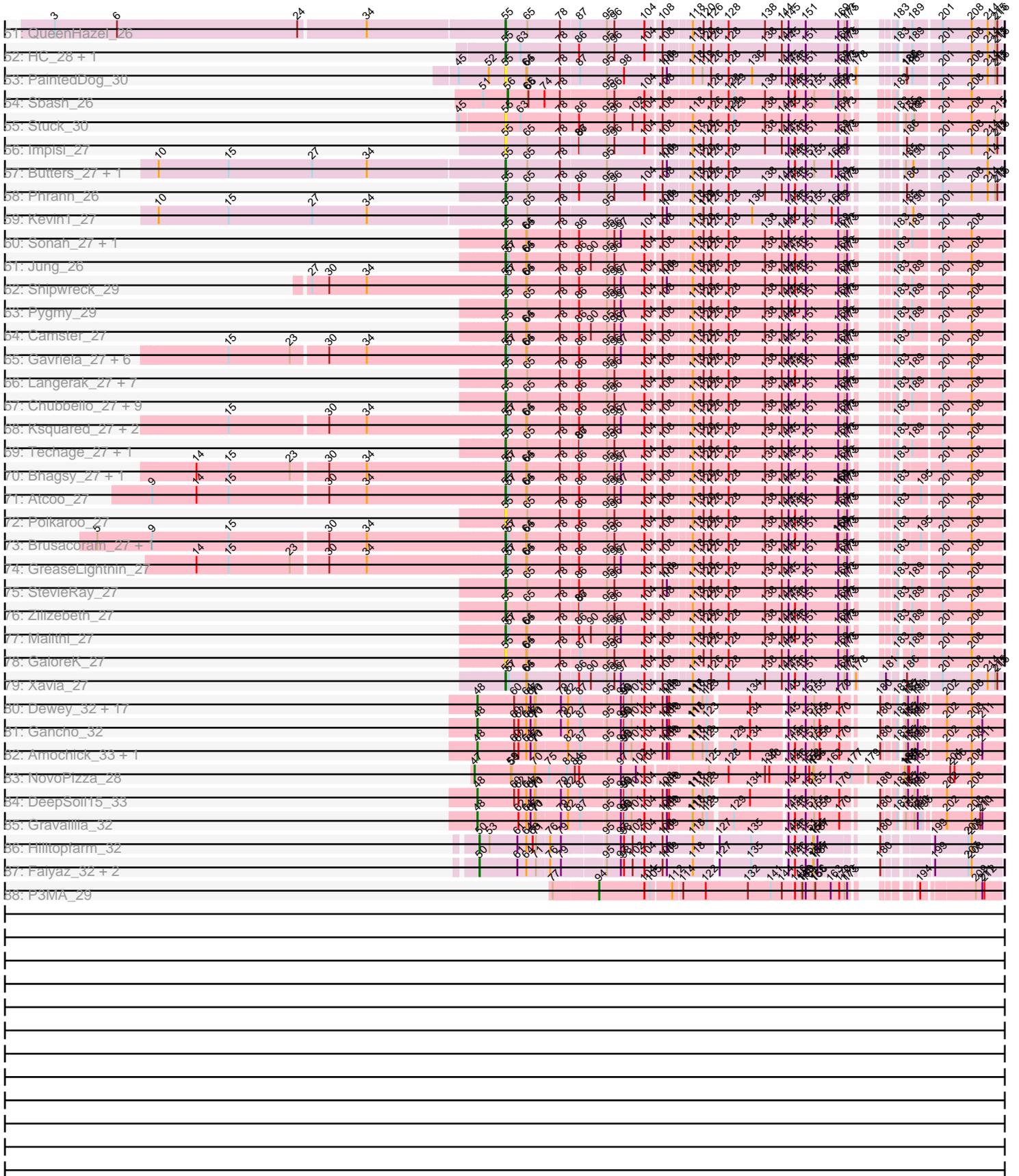# Pham 290691

Pham 290691

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 290691 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290691 has 545 members, 63 are drafts.

Phages represented in each track:
• Track 1 : Journey13_9
• Track 2 : MissWhite_11
• Track 3 : TipsytheTRex_10
• Track 4 : Milcery_8, Tarynearal_7, Cuco_8, Micasa_8, Twigg_8, HuhtaEnerson15_8, George_7, Bonamassa_8, Prinashe11_9, Swirley_8, LittleCherry_8
• Track 5 : Jovo_8, Aragog_8, Discoknowium_8, Bluefalcon_7
• Track 6 : Tiger_8, Lev2_8, PickleBack_8, Phlorence_8, Conspiracy_8, ForGetIt_8, Archetta_8
• Track 7 : AgentM_8
• Track 8 : Coog_8, Midas2_8, MarysWell_7, Theia_7, Dublin_7
• Track 9 : Florence1_8
• Track 10 : Airmid_8, Benedict_8, ElTiger69_8
• Track 11 : SydNat_8, Zolita_7, Ghoulboy_8
• Track 12 : PetterN_9, Chadwick_9, Scorpia_9
• Track 13 : Jabiru_8
• Track 14 : Florence4_9
• Track 15 : UnionJack_8
• Track 16 : Naca_8
• Track 17 : Stephig9_8, Dixon_8
• Track 18 : Expelliarmus_7, Phillis_8, Caitlin_7, Danforth_7, Groundhog_7, Smeadley_8, Astro_8
• Track 19 : Roary_8
• Track 20 : Saintus_8
• Track 21 : NearlyHeadless_8
• Track 22 : Mao1_38
• Track 23 : JustASigh_26
• Track 24 : Weirdo19_29
• Track 25 : IdentityCrisis_26
• Track 26 : Bluephacebaby_48, Morgushi_49, Spartan300_49, Kwadwo_48, Beaglebox_48, PhenghisKhan_48, FluffyNinja_50, DoesntMatter_48, JangoPhett_49, Horchata_49, Scrick_49, Haleema_48, SallyH_50, Chute_48, Eremos_49, Solosis_48, Jesabah_49, Timmi_48, Aonishiki_50, Dice_48, Lulumae_48, Keitherie_49, Charles1_49, Telesworld_48, Cobra_49, Riggan_49, UAch1_49, Kloppinator_50, Trypo_50, Phunky_49, Gwennie1_49, Quisquiliae_49, Squiggle_49, IsaacEli_50, Wallhey_48, Phipps_49, Xavier_48, Fringe_50, Jillium_48, Held_49, Flake_51, HenryJackson_48, Slatt_49, Pherdinand_50, Vaishali24_48,

FugateOSU_48, Mag7_48, Orfeu_48, DaddyDaniels_49, Nyala_48, Khan1_49, Lasso_49, Megamind20_49, Andre_50, Kikipoo_50, Ricotta_48, Morty_50, Roscoe_50, DonSanchon_48, Vivaldi_50, ABU_50, Gophee_49, TooFast2Furius_52, Mikota_49, Vaticameos_45, Iridessa_49, Hartsy_49, HighStump_49, Piglet_0049, Apizium_49, CamL_49, FremontTroll_49, ShadowBud_49, KingTut_40, Puhltonio_49, Labeouficaum_48, Mesh1_49, PhatLouie_49, ShiVal_49, Inchworm_50, YouGoGlencoco_49, True_48, TomBombadil_49, Lumine_48, Lehmann_49, Anderson_49, Swish_50, Fang_50, BlackStallion_50, CharlieGBrown_48, Maskar_49, Matalotodo_49, Jiraiya_48, Placalicious_48, BatteryCK_48, Cosmolli16_48, Caspiboi_48, Struggle_48, Hekos_46, FriarPreacher_48, Derpp_48, Zelda_49, Podrick_49, Carthage_47, SirBeauregard_49, TallGrassMM_49, Cannibal_49, Dione_48, Jiminy_48, Buckeye_49, Samaymay_49, Mesmerelda_48, Riverton_48, Orwigg_48, DuchessDung_48, Phleuron_48, LuckyMarjie_48, Larson_51, Usavi_49, Swiphy_49, Pipsqueak_49, Pacifista_48, Chaelin_49, Burr_48, Cher_48, Vortex_49, Valjean_49, Veritas_48, MrPhizzler_49, Murdoc_49, Serpentine_0049, Mulan_49, MichaelPhcott_48, PallasAthena_50, Iridoclysis_49, DelRivs_48, Magic8_49, KLucky39_49, FleetyMac_50, Numberten_49, Zonia_49, Boehler_49, OneBrain_50, CampRoach_50, Chunky_49, Pinkman_48, Childish_48, Bishoperium_48, Mcshane_48, Triad_49, Craff_50, Durga_50, Sigman_50, SilverBell_49, Banjo_48, Gareth_48, Plmatters_49, Kwksand96_48, Oline_48, Tomlarah_49, Karn_48, Waterdiva_49, Cornbread_48, Nicole21_49, PhrodoBaggins_49, Frankicide_49, Freya_48, Adriana_50, Grand2040_48, LasagnaCat_50, Selr12_49, Altwerkus_48, Suffolk_49, Basato_50, Roy17_49, Katniss_50, Windsor_48, Schadenfreude_48, Coletti_49, ImtiyazSitla_49, Lopsy_48, Skippy_49, Orion_50, Scoot17C_50, Eugenia_49, Emiris_50, Duggie_48, Megatron_50, Mutante_48, Serendipity_49, Fozzie_48, ProfessorX_49, BoogieWoogie_48, UncleHowie_49, Kailash_49, Maru_48, DolOn_52, Phergie_49, QueenBeane_49, PhatCats2014_50, BlacksBerry_48, Gyarad_0049, LeeLot_49, GeneCoco_49, Olak_48, Vista_49, AngelCake_49, PhrankReynolds_47, Sheila_49, PinheadLarry_49, Rimu_49, Doddsville_49, Lulwa_49, Longacauda_48, Virgeve_48, Lego3393_48, Thunderbird_48, Phamished_50, JacAttac_50, TyrionL_48, Toni_48, Virapocalypse_49, Chah_51, Yoshand_50, PG1_50, Hocus_48, Simielle_48, Legolas_49, Ashraf_49, LemonSlice_49, Phareon_49, Daffy_49, Hetaeria_49
• Track 27 : Hamish_49, Haimas_49
• Track 28 : MiniBoss_49, Soile_49, LostAndPhound_48, LeiMonet_50, Brilliant_49, SassyCat97_48, Zaider_50, Roliet_49, AltPhacts_49, KingVeVeVe_49, Potter_48, Dingo_49, BlueHusk_49, MRabcd_48, Kimbrough_49, Soto_49, EmpTee_49, GreenChile_50, Mosaic_48, Chuni_48, Plata_49, MitKao_49, Chorkpop_49, RedRaider89_51, Giraffe_49, SDcharge11_49, Badfish_50, JakeO_48, Omniscient_49, Sophia_48, Crownjwl_49, Nacho_0050, Schueller_48, Mana_48, MelsMeow_49, Mecca_48, Squid_49
• Track 29 : ThreeOh3D2_50, Colbert_49, Tooj_49, Oosterbaan_49, DirtJuice_49, Thora_49, Nathan_49, RedMaple_49, ElvisPhasley_50, OliverWalter_49, Manad_49, Cornobble_48, Pops_49, Etaye_49, Surely_49, OSmaximus_50, CheetO_49, Inverness_49, Hertubise_49
• Track 30 : AbsoluteMadLad_48, Chipette_50, Aleia_49, Daka_50, Prickles_49, HSavage_49, Gwilliam_49, KlimbOn_49, Newman_49
• Track 31 : HogWash_49, Happabalu_49, JDog_48, Melc17_49, Weher20_49, Dati_49
• Track 32 : Kahve_48
• Track 33 : Harvey_49, Robyn_48, Aelin_48, Antonia_48
• Track 34 : Olive_49

- Track 35 : BQuat_28, MZKinsey_28, AzulaCat_28, Jane_28, Maliketh_28, BPs_28, LouisV14_28, Mowgli_28, PinkYoshi_28, Phish_28, CassieYates_28, Remy19_28, Camri_28, Neoh_28, BruceB_28, Sweets_28, DingDing_28, Kareem_28, Darionha_28, Hope_28, Frosty24_28, TomBrady_28, OctaviousRex_28, Renaissance_28, Gideon_28, JorRay_28, Phreak_28, CLED96_28, Coleslaw_28, Olga_28, DNAIII_0028, Jeilious_28, Cedasite_28, Plagueis_28, Annihilator_28, ShaboiShabazz_28, DMoney_28, Cherrybomb426_28, Ruriko_28, Gomashi_28, Wendigo_28, Crespo_28, Zombie_28, Marmie_28, Avrafan_28, ZoMa_28
- Track 36 : Sneeze_28, Aroostook_28, Jonghyun_28, Rattrick_28, Hotshotbaby7_28, ECartman_28, Chance64_28, AizenPogi_28, Jolene_28, Rabbs_28, Phloodle_28, Periodt_28
- Track 37 : TinaBug_28, Sizemore_28, Kasen3_28, Peeb_28, Halo_28, Angel_28, GoldenAsh_28, Richarlison_28, Schiebel_28
- Track 38 : Barkley26_28
- Track 39 : Grizzly_28, Liefie_28
- Track 40 : Terror_28, Taheera_28
- Track 41 : Paito_28
- Track 42 : Lemuria_29
- Track 43 : Mercurio_30
- Track 44 : Jolie2_28
- Track 45 : YangYin_28
- Track 46 : Antsirabe_28
- Track 47 : Stargaze_28
- Track 48 : Bluvara_28
- Track 49 : Island3_30, Bogie_29, Brujita_30
- Track 50 : Xula_25
- Track 51 : QueenHazel_26
- Track 52 : HC_28, Babsiella_27
- Track 53 : PaintedDog_30
- Track 54 : Sbash_26
- Track 55 : Stuck_30
- Track 56 : Impisi_27
- Track 57 : Butters_27, Rubeelu_27
- Track 58 : Phrann_26
- Track 59 : Kevin1_27
- Track 60 : Sonah_27, Necropolis_27
- Track 61 : Jung_26
- Track 62 : Shipwreck_29
- Track 63 : Pygmy_29
- Track 64 : Camster_27
- Track 65 : Gavriela_27, CactusJack_27, StressBall_27, Glaske_27, Megiddo_27, KilKor_27, Phalm_27
- Track 66 : Langerak_27, Fishburne_27, Kari_27, Bartholomew_26, Venti_27, FirstPlacePfu_27, HUHilltop_27, Vidya_27
- Track 67 : Chubbello_27, Phegasus_27, Jebeks_27, Etoile_27, Dynamo_27, Majeke_27, Mangethe_27, Phineas_27, Donovan_27, Arib1_27
- Track 68 : Ksquared_27, Juniormint_27, Bunnies_27
- Track 69 : Techage_27, BronnyJr_27
- Track 70 : Bhagsy_27, PeanutPie_27
- Track 71 : Atcoo_27
- Track 72 : Polkaroo_27
- Track 73 : Brusacoram_27, Thespis_27
- Track 74 : GreaseLightnin_27

- Track 75 : StevieRay_27
- Track 76 : Zilizebeth_27
- Track 77 : Malithi_27
- Track 78 : GaloreK_27
- Track 79 : Xavia_27
- Track 80 : Dewey_32, Forge_32, Hail_32, OBUpride_33, Luna22_32, Hadrien_33, HH92_32, Wishmaker_32, Amymech_33, Webster2_33, Luke_33, Giles_32, LilHazelnut_33, Kinbote_33, BloominB_33, Ubuntu_33, Evanesce_32, Ein37_33
- Track 81 : Gancho_32
- Track 82 : Amochick_33, Daegal_34
- Track 83 : NovoPizza_28
- Track 84 : DeepSoil15_33
- Track 85 : Gravaillia_32
- Track 86 : Hilltopfarm_32
- Track 87 : Faiyaz_32, AuntGwenStacy_32, Typha_32
- Track 88 : P3MA_29

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

The start number called the most often in the published annotations is 46, it was called in 280 of the 482 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- ABU_50, AbsoluteMadLad_48, Adriana_50, Aelin_48, Aleia_49, AltPhacts_49, Altwerkus_48, Anderson_49, Andre_50, AngelCake_49, Antonia_48, Aonishiki_50, Apizium_49, Ashraf_49, Badfish_50, Banjo_48, Basato_50, BatteryCK_48, Beaglebox_48, Bishoperium_48, BlackStallion_50, BlacksBerry_48, BlueHusk_49, Bluephacebaby_48, Boehler_49, BoogieWoogie_48, Brilliant_49, Buckeye_49, Burr_48, CamL_49, CampRoach_50, Cannibal_49, Carthage_47, Caspiboi_48, Chaelin_49, Chah_51, Charles1_49, CharlieGBrown_48, CheetO_49, Cher_48, Childish_48, Chipette_50, Chorkpop_49, Chuni_48, Chunky_49, Chute_48, Cobra_49, Colbert_49, Coletti_49, Cornbread_48, Cornobble_48, Cosmolli16_48, Craff_50, Crownjwl_49, DaddyDaniels_49, Daffy_49, Daka_50, Dati_49, DelRivs_48, Derpp_48, Dice_48, Dingo_49, Dione_48, DirtJuice_49, Doddsville_49, DoesntMatter_48, DolOn_52, DonSanchon_48, DuchessDung_48, Duggie_48, Durga_50, ElvisPhasley_50, Emiris_50, EmpTee_49, Eremos_49, Etaye_49, Eugenia_49, Fang_50, Flake_51, FleetyMac_50, FluffyNinja_50, Fozzie_48, Frankicide_49, FremontTroll_49, Freya_48, FriarPreacher_48, Fringe_50, FugateOSU_48, Gareth_48, GeneCoco_49, Giraffe_49, Gophee_49, Grand2040_48, GreenChile_50, Gwennie1_49, Gwilliam_49, Gyarad_0049, HSavage_49, Haimas_49, Haleema_48, Hamish_49, Happabalu_49, Hartsy_49, Harvey_49, Hekos_46, Held_49, HenryJackson_48, Hertubise_49, Hetaeria_49, HighStump_49, Hocus_48, HogWash_49, Horchata_49, ImtiyazSitla_49, Inchworm_50, Inverness_49, Iridessa_49, Iridoclysis_49, IsaacEli_50, JDog_48, JacAttac_50, JakeO_48, JangoPhett_49, Jesabah_49, Jillium_48, Jiminy_48, Jiraiya_48, KLucky39_49, Kahve_48, Kailash_49, Karn_48, Katniss_50, Keitherie_49, Khan1_49, Kikipoo_50, Kimbrough_49, KingTut_40, KingVeVeVe_49, KlimbOn_49, Kloppinator_50, Kwadwo_48, Kwksand96_48, Labeouficaum_48, Larson_51, LasagnaCat_50, Lasso_49, LeeLot_49, Lego3393_48, Legolas_49, Lehmann_49, LeiMonet_50, LemonSlice_49, Longacauda_48, Lopsy_48, LostAndPhound_48,

LuckyMarjie_48, Lulumae_48, Lulwa_49, Lumine_48, MRabcd_48, Mag7_48, Magic8_49, Mana_48, Manad_49, Maru_48, Maskar_49, Matalotodo_49, Mcshane_48, Mecca_48, Megamind20_49, Megatron_50, Melc17_49, MelsMeow_49, Mesh1_49, Mesmerelda_48, MichaelPhcott_48, Mikota_49, MiniBoss_49, MitKao_49, Morgushi_49, Morty_50, Mosaic_48, MrPhizzler_49, Mulan_49, Murdoc_49, Mutante_48, Nacho_0050, Nathan_49, Newman_49, Nicole21_49, Numberten_49, Nyala_48, OSmaximus_50, Olak_48, Oline_48, Olive_49, OliverWalter_49, Omniscient_49, OneBrain_50, Oosterbaan_49, Orfeu_48, Orion_50, Orwigg_48, PG1_50, Pacifista_48, PallasAthena_50, Phamished_50, Phareon_49, PhatCats2014_50, PhatLouie_49, PhenghisKhan_48, Pherdinand_50, Phergie_49, Phipps_49, Phleuron_48, PhrankReynolds_47, PhrodoBaggins_49, Phunky_49, Piglet_0049, PinheadLarry_49, Pinkman_48, Pipsqueak_49, Placalicious_48, Plata_49, Plmatters_49, Podrick_49, Pops_49, Potter_48, Prickles_49, ProfessorX_49, Puhltonio_49, QueenBeane_49, Quisquiliae_49, RedMaple_49, RedRaider89_51, Ricotta_48, Riggan_49, Rimu_49, Riverton_48, Robyn_48, Roliet_49, Roscoe_50, Roy17_49, SDcharge11_49, SallyH_50, Samaymay_49, SassyCat97_48, Schadenfreude_48, Schueller_48, Scoot17C_50, Scrick_49, Selr12_49, Serendipity_49, Serpentine_0049, ShadowBud_49, Sheila_49, ShiVal_49, Sigman_50, SilverBell_49, Simielle_48, SirBeauregard_49, Skippy_49, Slatt_49, Soile_49, Solosis_48, Sophia_48, Soto_49, Spartan300_49, Squid_49, Squiggle_49, Struggle_48, Suffolk_49, Surely_49, Swiphy_49, Swish_50, TallGrassMM_49, Telesworld_48, Thora_49, ThreeOh3D2_50, Thunderbird_48, Timmi_48, TomBombadil_49, Tomlarah_49, Toni_48, TooFast2Furius_52, Tooj_49, Triad_49, True_48, Trypo_50, TyrionL_48, UAch1_49, UncleHowie_49, Usavi_49, Vaishali24_48, Valjean_49, Vaticameos_45, Veritas_48, Virapocalypse_49, Virgeve_48, Vista_49, Vivaldi_50, Vortex_49, Wallhey_48, Waterdiva_49, Weher20_49, Windsor_48, Xavier_48, Yoshand_50, YouGoGlencoco_49, Zaider_50, Zelda_49, Zonia_49,

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

Genes that do not have the "Most Annotated" start:
• AgentM_8, Airmid_8, AizenPogi_28, Amochick_33, Amymech_33, Angel_28, Annihilator_28, Antsirabe_28, Aragog_8, Archetta_8, Arib1_27, Aroostook_28, Astro_8, Atcoo_27, AuntGwenStacy_32, Avrafan_28, AzulaCat_28, BPs_28, BQuat_28, Babsiella_27, Barkley26_28, Bartholomew_26, Benedict_8, Bhagsy_27, BloominB_33, Bluefalcon_7, Bluvara_28, Bogie_29, Bonamassa_8, BronnyJr_27, BruceB_28, Brujita_30, Brusacoram_27, Bunnies_27, Butters_27, CLED96_28, CactusJack_27, Caitlin_7, Camri_28, Camster_27, CassieYates_28, Cedasite_28, Chadwick_9, Chance64_28, Cherrybomb426_28, Chubbello_27, Coleslaw_28, Conspiracy_8, Coog_8, Crespo_28, Cuco_8, DMoney_28, DNAIII_0028, Daegal_34, Danforth_7, Darionha_28, DeepSoil15_33, Dewey_32, DingDing_28, Discoknowium_8, Dixon_8, Donovan_27, Dublin_7, Dynamo_27, ECartman_28, Ein37_33, ElTiger69_8, Etoile_27, Evanesce_32, Expelliarmus_7, Faiyaz_32, FirstPlacePfu_27, Fishburne_27, Florence1_8, Florence4_9, ForGetIt_8, Forge_32, Frosty24_28, GaloreK_27, Gancho_32, Gavriela_27, George_7, Ghoulboy_8, Gideon_28, Giles_32, Glaske_27, GoldenAsh_28, Gomashi_28, Gravaillia_32, GreaseLightnin_27, Grizzly_28, Groundhog_7, HC_28, HH92_32, HUHilltop_27, Hadrien_33, Hail_32, Halo_28, Hilltopfarm_32, Hope_28, Hotshotbaby7_28, HuhtaEnerson15_8, IdentityCrisis_26, Impisi_27, Island3_30, Jabiru_8, Jane_28, Jebeks_27, Jeilious_28, Jolene_28, Jolie2_28, Jonghyun_28, JorRay_28, Journey13_9, Jovo_8, Jung_26, Juniormint_27, JustASigh_26, Kareem_28, Kari_27,

Kasen3_28, Kevin1_27, KilKor_27, Kinbote_33, Ksquared_27, Langerak_27, Lemuria_29, Lev2_8, Liefie_28, LilHazelnut_33, LittleCherry_8, LouisV14_28, Luke_33, Luna22_32, MZKinsey_28, Majeke_27, Maliketh_28, Malithi_27, Mangethe_27, Mao1_38, Marmie_28, MarysWell_7, Megiddo_27, Mercurio_30, Micasa_8, Midas2_8, Milcery_8, MissWhite_11, Mowgli_28, Naca_8, NearlyHeadless_8, Necropolis_27, Neoh_28, NovoPizza_28, OBUpride_33, OctaviousRex_28, Olga_28, P3MA_29, PaintedDog_30, Paito_28, PeanutPie_27, Peeb_28, Periodt_28, PetterN_9, Phalm_27, Phegasus_27, Phillis_8, Phineas_27, Phish_28, Phloodle_28, Phlorence_8, Phrann_26, Phreak_28, PickleBack_8, PinkYoshi_28, Plagueis_28, Polkaroo_27, Prinashe11_9, Pygmy_29, QueenHazel_26, Rabbs_28, Rattrick_28, Remy19_28, Renaissance_28, Richarlison_28, Roary_8, Rubeelu_27, Ruriko_28, Saintus_8, Sbash_26, Schiebel_28, Scorpia_9, ShaboiShabazz_28, Shipwreck_29, Sizemore_28, Smeadley_8, Sneeze_28, Sonah_27, Stargaze_28, Stephig9_8, StevieRay_27, StressBall_27, Stuck_30, Sweets_28, Swirley_8, SydNat_8, Taheera_28, Tarynearal_7, Techage_27, Terror_28, Theia_7, Thespis_27, Tiger_8, TinaBug_28, TipsytheTRex_10, TomBrady_28, Twigg_8, Typha_32, Ubuntu_33, UnionJack_8, Venti_27, Vidya_27, Webster2_33, Weirdo19_29, Wendigo_28, Wishmaker_32, Xavia_27, Xula_25, YangYin_28, Zilizebeth_27, ZoMa_28, Zolita_7, Zombie_28,

Summary by start number:

Start 46:
• Found in 312 of 545 (57.2%) of genes in pham
• Manual Annotations of this start: 280 of 482
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ABU_50 (B1), AbsoluteMadLad_48 (B1), Adriana_50 (B1), Aelin_48 (B1), Aleia_49 (B1), AltPhacts_49 (B1), Altwerkus_48 (B1), Anderson_49 (B1), Andre_50 (B1), AngelCake_49 (B1), Antonia_48 (B1), Aonishiki_50 (B1), Apizium_49 (B1), Ashraf_49 (B1), Badfish_50 (B1), Banjo_48 (B1), Basato_50 (B1), BatteryCK_48 (B1), Beaglebox_48 (B1), Bishoperium_48 (B1), BlackStallion_50 (B1), BlacksBerry_48 (B1), BlueHusk_49 (B1), Bluephacebaby_48 (B1), Boehler_49 (B1), BoogieWoogie_48 (B1), Brilliant_49 (B1), Buckeye_49 (B1), Burr_48 (B1), CamL_49 (B1), CampRoach_50 (B1), Cannibal_49 (B1), Carthage_47 (B1), Caspiboi_48 (B1), Chaelin_49 (B1), Chah_51 (B1), Charles1_49 (B1), CharlieGBrown_48 (B1), CheetO_49 (B1), Cher_48 (B1), Childish_48 (B1), Chipette_50 (B1), Chorkpop_49 (B1), Chuni_48 (B1), Chunky_49 (B1), Chute_48 (B1), Cobra_49 (B1), Colbert_49 (B1), Coletti_49 (B1), Cornbread_48 (B1), Cornobble_48 (B1), Cosmolli16_48 (B1), Craff_50 (B1), Crownjwl_49 (B1), DaddyDaniels_49 (B1), Daffy_49 (B1), Daka_50 (B1), Dati_49 (B1), DelRivs_48 (B1), Derpp_48 (B1), Dice_48 (B1), Dingo_49 (B1), Dione_48 (B1), DirtJuice_49 (B1), Doddsville_49 (B1), DoesntMatter_48 (B1), DolOn_52 (B1), DonSanchon_48 (B1), DuchessDung_48 (B1), Duggie_48 (B1), Durga_50 (B1), ElvisPhasley_50 (B1), Emiris_50 (B1), EmpTee_49 (B1), Eremos_49 (B1), Etaye_49 (B1), Eugenia_49 (B1), Fang_50 (B1), Flake_51 (B1), FleetyMac_50 (B1), FluffyNinja_50 (B1), Fozzie_48 (B1), Frankicide_49 (B1), FremontTroll_49 (B1), Freya_48 (B1), FriarPreacher_48 (B1), Fringe_50 (B1), FugateOSU_48 (B1), Gareth_48 (B1), GeneCoco_49 (B1), Giraffe_49 (B1), Gophee_49 (B1), Grand2040_48 (B1), GreenChile_50 (B1), Gwennie1_49 (B1), Gwilliam_49 (B1), Gyarad_0049 (B1), HSavage_49 (B1), Haimas_49 (B1), Haleema_48 (B1), Hamish_49 (B1), Happabalu_49 (B1), Hartsy_49 (B1), Harvey_49 (B1), Hekos_46 (B1), Held_49 (B1), HenryJackson_48 (B1), Hertubise_49 (B1), Hetaeria_49 (B1), HighStump_49 (B1), Hocus_48 (B1), HogWash_49 (B1), Horchata_49 (B1), ImtiyazSitla_49 (B1), Inchworm_50 (B1),

Inverness_49 (B1), Iridessa_49 (B1), Iridoclysis_49 (B1), IsaacEli_50 (B1), JDog_48 (B1), JacAttac_50 (B1), JakeO_48 (B1), JangoPhett_49 (B1), Jesabah_49 (B1), Jillium_48 (B1), Jiminy_48 (B1), Jiraiya_48 (B1), KLucky39_49 (B1), Kahve_48 (B1), Kailash_49 (B1), Karn_48 (B1), Katniss_50 (B1), Keitherie_49 (B1), Khan1_49 (B1), Kikipoo_50 (B1), Kimbrough_49 (B1), KingTut_40 (B1), KingVeVeVe_49 (B1), KlimbOn_49 (B1), Kloppinator_50 (B1), Kwadwo_48 (B1), Kwksand96_48 (B1), Labeouficaum_48 (B1), Larson_51 (B1), LasagnaCat_50 (B1), Lasso_49 (B1), LeeLot_49 (B1), Lego3393_48 (B1), Legolas_49 (B1), Lehmann_49 (B1), LeiMonet_50 (B1), LemonSlice_49 (B1), Longacauda_48 (B1), Lopsy_48 (B1), LostAndPhound_48 (B1), LuckyMarjie_48 (B1), Lulumae_48 (B1), Lulwa_49 (B1), Lumine_48 (B1), MRabcd_48 (B1), Mag7_48 (B1), Magic8_49 (B1), Mana_48 (B1), Manad_49 (B1), Maru_48 (B1), Maskar_49 (B1), Matalotodo_49 (B1), Mcshane_48 (B1), Mecca_48 (B1), Megamind20_49 (B1), Megatron_50 (B1), Melc17_49 (B1), MelsMeow_49 (B1), Mesh1_49 (B1), Mesmerelda_48 (B1), MichaelPhcott_48 (B1), Mikota_49 (B1), MiniBoss_49 (B1), MitKao_49 (B1), Morgushi_49 (B1), Morty_50 (B1), Mosaic_48 (B1), MrPhizzler_49 (B1), Mulan_49 (B1), Murdoc_49 (B1), Mutante_48 (B1), Nacho_0050 (B1), Nathan_49 (B1), Newman_49 (B1), Nicole21_49 (B1), Numberten_49 (B1), Nyala_48 (B1), OSmaximus_50 (B1), Olak_48 (B1), Oline_48 (B1), Olive_49 (B1), OliverWalter_49 (B1), Omniscient_49 (B1), OneBrain_50 (B1), Oosterbaan_49 (B1), Orfeu_48 (B1), Orion_50 (B1), Orwigg_48 (B1), PG1_50 (B1), Pacifista_48 (B1), PallasAthena_50 (B1), Phamished_50 (B1), Phareon_49 (B1), PhatCats2014_50 (B1), PhatLouie_49 (B1), PhenghisKhan_48 (B1), Pherdinand_50 (B1), Phergie_49 (B1), Phipps_49 (B1), Phleuron_48 (B1), PhrankReynolds_47 (B1), PhrodoBaggins_49 (B1), Phunky_49 (B1), Piglet_0049 (B1), PinheadLarry_49 (B1), Pinkman_48 (B1), Pipsqueak_49 (B1), Placalicious_48 (B1), Plata_49 (B1), Plmatters_49 (B1), Podrick_49 (B1), Pops_49 (B1), Potter_48 (B1), Prickles_49 (B1), ProfessorX_49 (B1), Puhltonio_49 (B1), QueenBeane_49 (B1), Quisquiliae_49 (B1), RedMaple_49 (B1), RedRaider89_51 (B1), Ricotta_48 (B1), Riggan_49 (B1), Rimu_49 (B1), Riverton_48 (B1), Robyn_48 (B1), Roliet_49 (B1), Roscoe_50 (B1), Roy17_49 (B1), SDcharge11_49 (B1), SallyH_50 (B1), Samaymay_49 (B1), SassyCat97_48 (B1), Schadenfreude_48 (B1), Schueller_48 (B1), Scoot17C_50 (B1), Scrick_49 (B1), Selr12_49 (B1), Serendipity_49 (B1), Serpentine_0049 (B1), ShadowBud_49 (B1), Sheila_49 (B1), ShiVal_49 (B1), Sigman_50 (B1), SilverBell_49 (B1), Simielle_48 (B1), SirBeauregard_49 (B1), Skippy_49 (B1), Slatt_49 (B1), Soile_49 (B1), Solosis_48 (B1), Sophia_48 (B1), Soto_49 (B1), Spartan300_49 (B1), Squid_49 (B1), Squiggle_49 (B1), Struggle_48 (B1), Suffolk_49 (B1), Surely_49 (B1), Swiphy_49 (B1), Swish_50 (B1), TallGrassMM_49 (B1), Telesworld_48 (B1), Thora_49 (B1), ThreeOh3D2_50 (B1), Thunderbird_48 (B1), Timmi_48 (B1), TomBombadil_49 (B1), Tomlarah_49 (B1), Toni_48 (B1), TooFast2Furius_52 (B1), Tooj_49 (B1), Triad_49 (B1), True_48 (B1), Trypo_50 (B1), TyrionL_48 (B1), UAch1_49 (B1), UncleHowie_49 (B1), Usavi_49 (B1), Vaishali24_48 (B1), Valjean_49 (B1), Vaticameos_45 (B1), Veritas_48 (B1), Virapocalypse_49 (B1), Virgeve_48 (B1), Vista_49 (B1), Vivaldi_50 (B1), Vortex_49 (B1), Wallhey_48 (B1), Waterdiva_49 (B1), Weher20_49 (B1), Windsor_48 (B1), Xavier_48 (B1), Yoshand_50 (B1), YouGoGlencoco_49 (B1), Zaider_50 (B1), Zelda_49 (B1), Zonia_49 (B1),

Start 47:
• Found in 1 of 545 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 482
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NovoPizza_28 (Q),

Start 48:
- Found in 23 of 545 (4.2%) of genes in pham
- Manual Annotations of this start: 22 of 482
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amochick_33 (Q), Amymech_33 (Q), BloominB_33 (Q), Daegal_34 (Q), DeepSoil15_33 (Q), Dewey_32 (Q), Ein37_33 (Q), Evanesce_32 (Q), Forge_32 (Q), Gancho_32 (Q), Giles_32 (Q), Gravaillia_32 (Q), HH92_32 (Q), Hadrien_33 (Q), Hail_32 (Q), Kinbote_33 (Q), LilHazelnut_33 (Q), Luke_33 (Q), Luna22_32 (Q), OBUpride_33 (Q), Ubuntu_33 (Q), Webster2_33 (Q), Wishmaker_32 (Q),

Start 49:
- Found in 1 of 545 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 482
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lemuria_29 (G4),

Start 50:
- Found in 84 of 545 (15.4%) of genes in pham
- Manual Annotations of this start: 69 of 482
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AizenPogi_28 (G1), Angel_28 (G1), Annihilator_28 (G1), Antsirabe_28 (G5), Aroostook_28 (G1), AuntGwenStacy_32 (Y), Avrafan_28 (G1), AzulaCat_28 (G1), BPs_28 (G1), BQuat_28 (G1), Barkley26_28 (G1), BruceB_28 (G1), CLED96_28 (G1), Camri_28 (G1), CassieYates_28 (G1), Cedasite_28 (G1), Chance64_28 (G1), Cherrybomb426_28 (G1), Coleslaw_28 (G1), Crespo_28 (G1), DMoney_28 (G1), DNAIII_0028 (G1), Darionha_28 (G1), DingDing_28 (G1), ECartman_28 (G1), Faiyaz_32 (Y), Frosty24_28 (G1), Gideon_28 (G1), GoldenAsh_28 (G1), Gomashi_28 (G1), Grizzly_28 (G1), Halo_28 (G1), Hilltopfarm_32 (Y), Hope_28 (G1), Hotshotbaby7_28 (G1), Jane_28 (G1), Jeilious_28 (G), Jolene_28 (G1), Jolie2_28 (G4), Jonghyun_28 (G1), JorRay_28 (G1), JustASigh_26 (AH), Kareem_28 (G1), Kasen3_28 (G1), Liefie_28 (G1), LouisV14_28 (G1), MZKinsey_28 (G1), Maliketh_28 (G1), Marmie_28 (G1), Mercurio_30 (G4), Mowgli_28 (G1), Neoh_28 (G), OctaviousRex_28 (G1), Olga_28 (G1), Paito_28 (G1), Peeb_28 (G1), Periodt_28 (G1), Phish_28 (G1), Phloodle_28 (G1), Phreak_28 (G1), PinkYoshi_28 (G1), Plagueis_28 (G1), Rabbs_28 (G1), Rattrick_28 (G1), Remy19_28 (G1), Renaissance_28 (G1), Richarlison_28 (G1), Ruriko_28 (G1), Schiebel_28 (G1), ShaboiShabazz_28 (G1), Sizemore_28 (G1), Sneeze_28 (G1), Stargaze_28 (G5), Sweets_28 (G1), Taheera_28 (G1), Terror_28 (G1), TinaBug_28 (G1), TomBrady_28 (G1), Typha_32 (Y), Weirdo19_29 (AH), Wendigo_28 (G1), YangYin_28 (G5), ZoMa_28 (G1), Zombie_28 (G1),

Start 55:
- Found in 63 of 545 (11.6%) of genes in pham
- Manual Annotations of this start: 53 of 482
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arib1_27 (P1), Atcoo_27 (P1), Babsiella_27 (I1), Bartholomew_26 (P1), Bhagsy_27 (P1), Bluvara_28 (I), Bogie_29 (P1), BronnyJr_27 (P1), Brujita_30 (I1), Brusacoram_27 (P1), Bunnies_27 (P1), Butters_27 (N), CactusJack_27 (P1), Camster_27 (P1), Chubbello_27 (P1), Donovan_27 (P1), Dynamo_27 (P1), Etoile_27 (P1), FirstPlacePfu_27 (P1), Fishburne_27 (P1), GaloreK_27 (P1), Gavriela_27 (P1), Glaske_27 (P1), GreaseLightnin_27 (P1), HC_28 (I1), HUHilltop_27 (P1), Impisi_27 (N), Island3_30

(I1), Jebeks_27 (P1), Jung_26 (P1), Juniormint_27 (P1), Kari_27 (P1), Kevin1_27 (N), KilKor_27 (P1), Ksquared_27 (P1), Langerak_27 (P1), Majeke_27 (P1), Malithi_27 (P1), Mangethe_27 (P1), Megiddo_27 (P1), Necropolis_27 (P1), PaintedDog_30 (I1), PeanutPie_27 (P1), Phalm_27 (P1), Phegasus_27 (P1), Phineas_27 (P1), Phrann_26 (N), Polkaroo_27 (P1), Pygmy_29 (P1), QueenHazel_26 (I1), Rubeelu_27 (N), Shipwreck_29 (P1), Sonah_27 (P1), StevieRay_27 (P1), StressBall_27 (P1), Stuck_30 (I2), Techage_27 (P1), Thespis_27 (P1), Venti_27 (P1), Vidya_27 (P1), Xavia_27 (P3), Xula_25 (I1), Zilizebeth_27 (P1),

Start 56:
• Found in 3 of 545 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 482
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_26 (AJ), Mao1_38 (AD), Sbash_26 (I2),

Start 92:
• Found in 54 of 545 (9.9%) of genes in pham
• Manual Annotations of this start: 49 of 482
• Called 98.1% of time when present
• Phage (with cluster) where this start called: AgentM_8 (A5), Airmid_8 (A5), Aragog_8 (A5), Archetta_8 (A5), Astro_8 (A8), Benedict_8 (A5), Bluefalcon_7 (A5), Bonamassa_8 (A5), Caitlin_7 (A8), Chadwick_9 (A5), Conspiracy_8 (A5), Coog_8 (A5), Cuco_8 (A5), Danforth_7 (A8), Discoknowium_8 (A5), Dixon_8 (A8), Dublin_7 (A5), ElTiger69_8 (A5), Expelliarmus_7 (A8), Florence4_9 (A5), ForGetIt_8 (A5), George_7 (A5), Ghoulboy_8 (A5), Groundhog_7 (A8), HuhtaEnerson15_8 (A5), Jabiru_8 (A5), Jovo_8 (A5), Lev2_8 (A5), LittleCherry_8 (A5), MarysWell_7 (A5), Micasa_8 (A5), Midas2_8 (A5), Milcery_8 (A5), Naca_8 (A5), NearlyHeadless_8 (A8), PetterN_9 (A5), Phillis_8 (A8), Phlorence_8 (A5), PickleBack_8 (A5), Prinashe11_9 (A5), Roary_8 (A8), Saintus_8 (A8), Scorpia_9 (A5), Smeadley_8 (A8), Stephig9_8 (A8), Swirley_8 (A5), SydNat_8 (A5), Tarynearal_7 (A5), Theia_7 (A5), Tiger_8 (A5), Twigg_8 (A5), UnionJack_8 (A5), Zolita_7 (A5),

Start 93:
• Found in 4 of 545 (0.7%) of genes in pham
• Manual Annotations of this start: 3 of 482
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Journey13_9 (A2), MissWhite_11 (A2), TipsytheTRex_10 (A2),

Start 94:
• Found in 1 of 545 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 482
• Called 100.0% of time when present
• Phage (with cluster) where this start called: P3MA_29 (singleton),

Start 98:
• Found in 136 of 545 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 0.7% of time when present
• Phage (with cluster) where this start called: Florence1_8 (A5),

Summary by clusters:

There are 20 clusters represented in this pham: G4, G5, P1, G, G1, P3, I1, AH, I2, singleton, AJ, N, Q, I, A2, A5, B1, Y, A8, AD,

Info for manual annotations of cluster A2:
•Start number 93 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A5:
•Start number 92 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A8:
•Start number 92 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster AD:
•Start number 56 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster AH:
•Start number 50 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AJ:
•Start number 56 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster B1:
•Start number 46 was manually annotated 280 times for cluster B1.

Info for manual annotations of cluster G1:
•Start number 50 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G4:
•Start number 49 was manually annotated 1 time for cluster G4.
•Start number 50 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:
•Start number 50 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster I1:
•Start number 55 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 56 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:
•Start number 55 was manually annotated 4 times for cluster N.

Info for manual annotations of cluster P1:
•Start number 55 was manually annotated 42 times for cluster P1.

Info for manual annotations of cluster P3:
•Start number 55 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster Q:

•Start number 47 was manually annotated 1 time for cluster Q.
•Start number 48 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster Y:
•Start number 50 was manually annotated 3 times for cluster Y.

Gene Information:

Gene: ABU_50 Start: 41835, Stop: 43190, Start Num: 46
Candidate Starts for ABU_50:
(Start: 46 @41835 has 280 MA's), (54, 41886), (58, 41919), (78, 42048), (79, 42051), (81, 42066), (95, 42162), (97, 42201), (101, 42231), (104, 42267), (118, 42378), (120, 42408), (121, 42411), (128, 42477), (145, 42636), (151, 42684), (154, 42702), (163, 42750), (182, 42894), (189, 42954), (204, 43059), (212, 43146),

Gene: AbsoluteMadLad_48 Start: 41712, Stop: 43067, Start Num: 46
Candidate Starts for AbsoluteMadLad_48:
(Start: 46 @41712 has 280 MA's), (54, 41763), (58, 41796), (61, 41814), (78, 41925), (79, 41928), (81, 41943), (95, 42039), (97, 42078), (101, 42108), (104, 42144), (118, 42255), (120, 42285), (121, 42288), (128, 42354), (145, 42513), (151, 42561), (154, 42579), (163, 42627), (182, 42771), (189, 42831), (204, 42936), (208, 42990), (212, 43023),

Gene: Adriana_50 Start: 41833, Stop: 43188, Start Num: 46
Candidate Starts for Adriana_50:
(Start: 46 @41833 has 280 MA's), (54, 41884), (58, 41917), (78, 42046), (79, 42049), (81, 42064), (95, 42160), (97, 42199), (101, 42229), (104, 42265), (118, 42376), (120, 42406), (121, 42409), (128, 42475), (145, 42634), (151, 42682), (154, 42700), (163, 42748), (182, 42892), (189, 42952), (204, 43057), (212, 43144),

Gene: Aelin_48 Start: 41276, Stop: 42631, Start Num: 46
Candidate Starts for Aelin_48:
(Start: 46 @41276 has 280 MA's), (54, 41327), (58, 41360), (78, 41489), (79, 41492), (81, 41507), (95, 41603), (97, 41642), (101, 41672), (104, 41708), (113, 41783), (118, 41819), (120, 41849), (121, 41852), (128, 41918), (145, 42077), (151, 42125), (154, 42143), (163, 42191), (182, 42335), (189, 42395), (204, 42500), (212, 42587),

Gene: AgentM_8 Start: 5433, Stop: 6242, Start Num: 92
Candidate Starts for AgentM_8:
(Start: 92 @5433 has 49 MA's), (97, 5496), (98, 5505), (101, 5526), (104, 5562), (108, 5610), (114, 5667), (117, 5691), (145, 5922), (154, 5979), (215, 6228),

Gene: Airmid_8 Start: 5180, Stop: 5989, Start Num: 92
Candidate Starts for Airmid_8:
(Start: 92 @5180 has 49 MA's), (96, 5225), (104, 5309), (105, 5324), (108, 5357), (139, 5627), (145, 5669), (151, 5708), (154, 5726), (159, 5756), (214, 5954),

Gene: AizenPogi_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for AizenPogi_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (151, 26011), (155, 26032), (162, 26071), (163, 26077),

Gene: Aleia_49 Start: 41269, Stop: 42624, Start Num: 46
Candidate Starts for Aleia_49:
(Start: 46 @41269 has 280 MA's), (54, 41320), (58, 41353), (61, 41371), (78, 41482), (79, 41485), (81, 41500), (95, 41596), (97, 41635), (101, 41665), (104, 41701), (118, 41812), (120, 41842), (121, 41845), (128, 41911), (145, 42070), (151, 42118), (154, 42136), (163, 42184), (182, 42328), (189, 42388), (204, 42493), (208, 42547), (212, 42580),

Gene: AltPhacts_49 Start: 41685, Stop: 43040, Start Num: 46
Candidate Starts for AltPhacts_49:
(Start: 46 @41685 has 280 MA's), (54, 41736), (58, 41769), (61, 41787), (78, 41898), (79, 41901), (81, 41916), (95, 42012), (97, 42051), (101, 42081), (104, 42117), (118, 42228), (120, 42258), (121, 42261), (128, 42327), (145, 42486), (151, 42534), (154, 42552), (163, 42600), (182, 42744), (189, 42804), (204, 42909), (212, 42996),

Gene: Altwerkus_48 Start: 41391, Stop: 42746, Start Num: 46
Candidate Starts for Altwerkus_48:
(Start: 46 @41391 has 280 MA's), (54, 41442), (58, 41475), (78, 41604), (79, 41607), (81, 41622), (95, 41718), (97, 41757), (101, 41787), (104, 41823), (118, 41934), (120, 41964), (121, 41967), (128, 42033), (145, 42192), (151, 42240), (154, 42258), (163, 42306), (182, 42450), (189, 42510), (204, 42615), (212, 42702),

Gene: Amochick_33 Start: 28345, Stop: 29580, Start Num: 48
Candidate Starts for Amochick_33:
(Start: 48 @28345 has 22 MA's), (60, 28438), (62, 28450), (64, 28471), (67, 28483), (70, 28495), (71, 28498), (82, 28579), (87, 28612), (95, 28672), (97, 28711), (98, 28720), (99, 28723), (101, 28741), (104, 28777), (108, 28825), (109, 28837), (110, 28843), (117, 28906), (118, 28909), (119, 28936), (123, 28948), (129, 29005), (134, 29050), (145, 29137), (146, 29149), (151, 29176), (155, 29197), (158, 29212), (170, 29266), (180, 29296), (183, 29329), (185, 29338), (187, 29344), (191, 29356), (193, 29365), (202, 29428), (208, 29497), (211, 29524),

Gene: Amymech_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Amymech_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Anderson_49 Start: 41690, Stop: 43045, Start Num: 46
Candidate Starts for Anderson_49:
(Start: 46 @41690 has 280 MA's), (54, 41741), (58, 41774), (78, 41903), (79, 41906), (81, 41921), (95, 42017), (97, 42056), (101, 42086), (104, 42122), (118, 42233), (120, 42263), (121, 42266), (128, 42332), (145, 42491), (151, 42539), (154, 42557), (163, 42605), (182, 42749), (189, 42809), (204, 42914), (212, 43001),

Gene: Andre_50 Start: 41827, Stop: 43182, Start Num: 46
Candidate Starts for Andre_50:
(Start: 46 @41827 has 280 MA's), (54, 41878), (58, 41911), (78, 42040), (79, 42043), (81, 42058), (95, 42154), (97, 42193), (101, 42223), (104, 42259), (118, 42370), (120, 42400), (121, 42403), (128, 42469), (145, 42628), (151, 42676), (154, 42694), (163, 42742), (182, 42886), (189, 42946), (204, 43051), (212, 43138),

Gene: Angel_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Angel_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (100, 25567), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: AngelCake_49 Start: 41712, Stop: 43067, Start Num: 46
Candidate Starts for AngelCake_49:
(Start: 46 @41712 has 280 MA's), (54, 41763), (58, 41796), (78, 41925), (79, 41928), (81, 41943), (95, 42039), (97, 42078), (101, 42108), (104, 42144), (118, 42255), (120, 42285), (121, 42288), (128, 42354), (145, 42513), (151, 42561), (154, 42579), (163, 42627), (182, 42771), (189, 42831), (204, 42936), (212, 43023),

Gene: Annihilator_28 Start: 25192, Stop: 26400, Start Num: 50
Candidate Starts for Annihilator_28:
(41, 25099), (Start: 50 @25192 has 69 MA's), (76, 25366), (85, 25438), (97, 25537), (98, 25546), (102, 25570), (103, 25579), (104, 25603), (106, 25624), (108, 25651), (109, 25663), (118, 25735), (123, 25774), (145, 25963), (148, 25987), (151, 26002), (155, 26023), (163, 26068), (164, 26071), (180, 26122),

Gene: Antonia_48 Start: 41276, Stop: 42631, Start Num: 46
Candidate Starts for Antonia_48:
(Start: 46 @41276 has 280 MA's), (54, 41327), (58, 41360), (78, 41489), (79, 41492), (81, 41507), (95, 41603), (97, 41642), (101, 41672), (104, 41708), (113, 41783), (118, 41819), (120, 41849), (121, 41852), (128, 41918), (145, 42077), (151, 42125), (154, 42143), (163, 42191), (182, 42335), (189, 42395), (204, 42500), (212, 42587),

Gene: Antsirabe_28 Start: 26892, Stop: 28115, Start Num: 50
Candidate Starts for Antsirabe_28:
(Start: 50 @26892 has 69 MA's), (76, 27066), (79, 27096), (85, 27138), (95, 27210), (97, 27249), (103, 27291), (104, 27315), (108, 27363), (111, 27387), (115, 27426), (118, 27447), (123, 27486), (127, 27504), (130, 27564), (145, 27675), (151, 27714), (155, 27735), (164, 27783), (197, 27927), (213, 28077),

Gene: Aonishiki_50 Start: 41733, Stop: 43088, Start Num: 46
Candidate Starts for Aonishiki_50:
(Start: 46 @41733 has 280 MA's), (54, 41784), (58, 41817), (78, 41946), (79, 41949), (81, 41964), (95, 42060), (97, 42099), (101, 42129), (104, 42165), (118, 42276), (120, 42306), (121, 42309), (128, 42375), (145, 42534), (151, 42582), (154, 42600), (163, 42648), (182, 42792), (189, 42852), (204, 42957), (212, 43044),

Gene: Apizium_49 Start: 41591, Stop: 42946, Start Num: 46
Candidate Starts for Apizium_49:
(Start: 46 @41591 has 280 MA's), (54, 41642), (58, 41675), (78, 41804), (79, 41807), (81, 41822), (95, 41918), (97, 41957), (101, 41987), (104, 42023), (118, 42134), (120, 42164), (121, 42167), (128, 42233), (145, 42392), (151, 42440), (154, 42458), (163, 42506), (182, 42650), (189, 42710), (204, 42815), (212, 42902),

Gene: Aragog_8 Start: 5463, Stop: 6272, Start Num: 92
Candidate Starts for Aragog_8:
(Start: 92 @5463 has 49 MA's), (97, 5526), (98, 5535), (101, 5556), (104, 5592), (108, 5640), (114, 5697), (117, 5721), (139, 5910), (145, 5952), (154, 6009), (215, 6258),

Gene: Archetta_8 Start: 5172, Stop: 5981, Start Num: 92
Candidate Starts for Archetta_8:
(Start: 92 @5172 has 49 MA's), (97, 5235), (98, 5244), (101, 5265), (104, 5301), (108, 5349), (114, 5406), (117, 5430), (145, 5661), (154, 5718), (215, 5967),

Gene: Arib1_27 Start: 24058, Stop: 25224, Start Num: 55
Candidate Starts for Arib1_27:
(Start: 55 @24058 has 53 MA's), (65, 24115), (78, 24202), (86, 24247), (95, 24322), (96, 24343), (104, 24427), (108, 24466), (118, 24532), (120, 24562), (126, 24583), (128, 24628), (138, 24724), (144, 24763), (145, 24778), (151, 24817), (169, 24904), (173, 24922), (175, 24928), (183, 24976), (189, 24997), (201, 25069), (208, 25144),

Gene: Aroostook_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Aroostook_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (151, 26011), (155, 26032), (162, 26071), (163, 26077),

Gene: Ashraf_49 Start: 41392, Stop: 42747, Start Num: 46
Candidate Starts for Ashraf_49:
(Start: 46 @41392 has 280 MA's), (54, 41443), (58, 41476), (78, 41605), (79, 41608), (81, 41623), (95, 41719), (97, 41758), (101, 41788), (104, 41824), (118, 41935), (120, 41965), (121, 41968), (128, 42034), (145, 42193), (151, 42241), (154, 42259), (163, 42307), (182, 42451), (189, 42511), (204, 42616), (212, 42703),

Gene: Astro_8 Start: 4873, Stop: 5682, Start Num: 92
Candidate Starts for Astro_8:
(Start: 92 @4873 has 49 MA's), (100, 4957), (104, 5002), (109, 5062), (116, 5128), (145, 5362), (151, 5401), (154, 5419), (160, 5452), (164, 5470), (196, 5515), (203, 5539), (215, 5668),

Gene: Atcoo_27 Start: 24541, Stop: 25707, Start Num: 55
Candidate Starts for Atcoo_27:
(9, 23575), (14, 23698), (15, 23788), (30, 24055), (34, 24160), (Start: 55 @24541 has 53 MA's), (57, 24550), (64, 24595), (65, 24598), (78, 24685), (86, 24730), (95, 24805), (96, 24826), (97, 24844), (104, 24910), (108, 24949), (118, 25015), (120, 25045), (126, 25066), (128, 25111), (138, 25207), (144, 25246), (145, 25261), (151, 25300), (168, 25384), (169, 25387), (173, 25405), (175, 25411), (183, 25459), (195, 25504), (201, 25552), (208, 25627),

Gene: AuntGwenStacy_32 Start: 29089, Stop: 30312, Start Num: 50
Candidate Starts for AuntGwenStacy_32:
(Start: 50 @29089 has 69 MA's), (61, 29185), (64, 29209), (71, 29236), (76, 29269), (79, 29299), (95, 29404), (97, 29443), (98, 29452), (102, 29476), (104, 29509), (108, 29557), (109, 29569), (118, 29641), (127, 29698), (135, 29785), (145, 29872), (146, 29884), (151, 29911), (154, 29929), (155, 29932), (157, 29941), (180, 30031), (199, 30136), (207, 30223), (208, 30232),

Gene: Avrafan_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Avrafan_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: AzulaCat_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for AzulaCat_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: BPs_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for BPs_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: BQuat_28 Start: 25192, Stop: 26400, Start Num: 50
Candidate Starts for BQuat_28:
(41, 25099), (Start: 50 @25192 has 69 MA's), (76, 25366), (85, 25438), (97, 25537), (98, 25546), (102, 25570), (103, 25579), (104, 25603), (106, 25624), (108, 25651), (109, 25663), (118, 25735), (123, 25774), (145, 25963), (148, 25987), (151, 26002), (155, 26023), (163, 26068), (164, 26071), (180, 26122),

Gene: Babsiella_27 Start: 24108, Stop: 25286, Start Num: 55
Candidate Starts for Babsiella_27:
(Start: 55 @24108 has 53 MA's), (63, 24150), (78, 24255), (86, 24309), (95, 24384), (96, 24405), (104, 24489), (108, 24528), (118, 24594), (120, 24624), (126, 24645), (128, 24690), (138, 24786), (144, 24825), (145, 24840), (151, 24879), (169, 24966), (173, 24984), (175, 24990), (183, 25038), (189, 25059), (201, 25131), (208, 25206), (214, 25248), (215, 25269), (216, 25275),

Gene: Badfish_50 Start: 41858, Stop: 43213, Start Num: 46
Candidate Starts for Badfish_50:
(Start: 46 @41858 has 280 MA's), (54, 41909), (58, 41942), (61, 41960), (78, 42071), (79, 42074), (81, 42089), (95, 42185), (97, 42224), (101, 42254), (104, 42290), (118, 42401), (120, 42431), (121, 42434), (128, 42500), (145, 42659), (151, 42707), (154, 42725), (163, 42773), (182, 42917), (189, 42977), (204, 43082), (212, 43169),

Gene: Banjo_48 Start: 41389, Stop: 42744, Start Num: 46
Candidate Starts for Banjo_48:
(Start: 46 @41389 has 280 MA's), (54, 41440), (58, 41473), (78, 41602), (79, 41605), (81, 41620), (95, 41716), (97, 41755), (101, 41785), (104, 41821), (118, 41932), (120, 41962), (121, 41965), (128, 42031), (145, 42190), (151, 42238), (154, 42256), (163, 42304), (182, 42448), (189, 42508), (204, 42613), (212, 42700),

Gene: Barkley26_28 Start: 25223, Stop: 26431, Start Num: 50
Candidate Starts for Barkley26_28:
(31, 24851), (38, 25079), (41, 25130), (Start: 50 @25223 has 69 MA's), (76, 25397), (85, 25469), (97, 25568), (98, 25577), (100, 25589), (102, 25601), (103, 25610), (104, 25634), (106, 25655), (108, 25682), (109, 25694), (118, 25766), (123, 25805), (145, 25994), (148, 26018), (151, 26033), (155, 26054), (163, 26099), (164, 26102), (180, 26153),

Gene: Bartholomew_26 Start: 24052, Stop: 25218, Start Num: 55
Candidate Starts for Bartholomew_26:
(Start: 55 @24052 has 53 MA's), (65, 24109), (78, 24196), (86, 24241), (95, 24316), (96, 24337), (104, 24421), (108, 24460), (118, 24526), (120, 24556), (126, 24577), (128, 24622), (138, 24718), (144,

24757), (145, 24772), (146, 24784), (151, 24811), (169, 24898), (173, 24916), (175, 24922), (183, 24970), (189, 24991), (201, 25063), (208, 25138),

Gene: Basato_50 Start: 41974, Stop: 43329, Start Num: 46
Candidate Starts for Basato_50:
(Start: 46 @41974 has 280 MA's), (54, 42025), (58, 42058), (78, 42187), (79, 42190), (81, 42205), (95, 42301), (97, 42340), (101, 42370), (104, 42406), (118, 42517), (120, 42547), (121, 42550), (128, 42616), (145, 42775), (151, 42823), (154, 42841), (163, 42889), (182, 43033), (189, 43093), (204, 43198), (212, 43285),

Gene: BatteryCK_48 Start: 41332, Stop: 42687, Start Num: 46
Candidate Starts for BatteryCK_48:
(Start: 46 @41332 has 280 MA's), (54, 41383), (58, 41416), (78, 41545), (79, 41548), (81, 41563), (95, 41659), (97, 41698), (101, 41728), (104, 41764), (118, 41875), (120, 41905), (121, 41908), (128, 41974), (145, 42133), (151, 42181), (154, 42199), (163, 42247), (182, 42391), (189, 42451), (204, 42556), (212, 42643),

Gene: Beaglebox_48 Start: 41410, Stop: 42765, Start Num: 46
Candidate Starts for Beaglebox_48:
(Start: 46 @41410 has 280 MA's), (54, 41461), (58, 41494), (78, 41623), (79, 41626), (81, 41641), (95, 41737), (97, 41776), (101, 41806), (104, 41842), (118, 41953), (120, 41983), (121, 41986), (128, 42052), (145, 42211), (151, 42259), (154, 42277), (163, 42325), (182, 42469), (189, 42529), (204, 42634), (212, 42721),

Gene: Benedict_8 Start: 5182, Stop: 5991, Start Num: 92
Candidate Starts for Benedict_8:
(Start: 92 @5182 has 49 MA's), (96, 5227), (104, 5311), (105, 5326), (108, 5359), (139, 5629), (145, 5671), (151, 5710), (154, 5728), (159, 5758), (214, 5956),

Gene: Bhagsy_27 Start: 24053, Stop: 25219, Start Num: 55
Candidate Starts for Bhagsy_27:
(14, 23210), (15, 23300), (23, 23471), (30, 23567), (34, 23672), (Start: 55 @24053 has 53 MA's), (57, 24062), (64, 24107), (65, 24110), (78, 24197), (86, 24242), (95, 24317), (96, 24338), (97, 24356), (104, 24422), (108, 24461), (118, 24527), (120, 24557), (126, 24578), (128, 24623), (138, 24719), (144, 24758), (145, 24773), (151, 24812), (169, 24899), (173, 24917), (175, 24923), (183, 24971), (201, 25064), (208, 25139),

Gene: Bishoperium_48 Start: 41404, Stop: 42759, Start Num: 46
Candidate Starts for Bishoperium_48:
(Start: 46 @41404 has 280 MA's), (54, 41455), (58, 41488), (78, 41617), (79, 41620), (81, 41635), (95, 41731), (97, 41770), (101, 41800), (104, 41836), (118, 41947), (120, 41977), (121, 41980), (128, 42046), (145, 42205), (151, 42253), (154, 42271), (163, 42319), (182, 42463), (189, 42523), (204, 42628), (212, 42715),

Gene: BlackStallion_50 Start: 41843, Stop: 43219, Start Num: 46
Candidate Starts for BlackStallion_50:
(Start: 46 @41843 has 280 MA's), (54, 41894), (58, 41927), (78, 42056), (79, 42059), (81, 42074), (95, 42170), (97, 42209), (101, 42239), (104, 42275), (118, 42386), (120, 42416), (121, 42419), (128, 42485), (145, 42644), (151, 42692), (154, 42710), (163, 42758), (182, 42923), (189, 42983), (204, 43088), (212, 43175),

Gene: BlacksBerry_48 Start: 41425, Stop: 42780, Start Num: 46
Candidate Starts for BlacksBerry_48:

(Start: 46 @41425 has 280 MA's), (54, 41476), (58, 41509), (78, 41638), (79, 41641), (81, 41656), (95, 41752), (97, 41791), (101, 41821), (104, 41857), (118, 41968), (120, 41998), (121, 42001), (128, 42067), (145, 42226), (151, 42274), (154, 42292), (163, 42340), (182, 42484), (189, 42544), (204, 42649), (212, 42736),

Gene: BloominB_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for BloominB_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: BlueHusk_49 Start: 41210, Stop: 42565, Start Num: 46
Candidate Starts for BlueHusk_49:
(Start: 46 @41210 has 280 MA's), (54, 41261), (58, 41294), (61, 41312), (78, 41423), (79, 41426), (81, 41441), (95, 41537), (97, 41576), (101, 41606), (104, 41642), (118, 41753), (120, 41783), (121, 41786), (128, 41852), (145, 42011), (151, 42059), (154, 42077), (163, 42125), (182, 42269), (189, 42329), (204, 42434), (212, 42521),

Gene: Bluefalcon_7 Start: 5433, Stop: 6242, Start Num: 92
Candidate Starts for Bluefalcon_7:
(Start: 92 @5433 has 49 MA's), (97, 5496), (98, 5505), (101, 5526), (104, 5562), (108, 5610), (114, 5667), (117, 5691), (139, 5880), (145, 5922), (154, 5979), (215, 6228),

Gene: Bluephacebaby_48 Start: 41407, Stop: 42762, Start Num: 46
Candidate Starts for Bluephacebaby_48:
(Start: 46 @41407 has 280 MA's), (54, 41458), (58, 41491), (78, 41620), (79, 41623), (81, 41638), (95, 41734), (97, 41773), (101, 41803), (104, 41839), (118, 41950), (120, 41980), (121, 41983), (128, 42049), (145, 42208), (151, 42256), (154, 42274), (163, 42322), (182, 42466), (189, 42526), (204, 42631), (212, 42718),

Gene: Bluvara_28 Start: 24450, Stop: 25616, Start Num: 55
Candidate Starts for Bluvara_28:
(15, 23706), (34, 24078), (Start: 55 @24450 has 53 MA's), (65, 24507), (78, 24594), (86, 24639), (89, 24651), (95, 24714), (96, 24735), (104, 24819), (108, 24858), (118, 24924), (120, 24954), (126, 24975), (128, 25020), (138, 25116), (144, 25155), (145, 25170), (151, 25209), (169, 25296), (173, 25314), (175, 25320), (181, 25344), (186, 25380), (201, 25461), (208, 25536), (214, 25578), (215, 25599), (216, 25605),

Gene: Boehler_49 Start: 41713, Stop: 43068, Start Num: 46
Candidate Starts for Boehler_49:
(Start: 46 @41713 has 280 MA's), (54, 41764), (58, 41797), (78, 41926), (79, 41929), (81, 41944), (95, 42040), (97, 42079), (101, 42109), (104, 42145), (118, 42256), (120, 42286), (121, 42289), (128, 42355), (145, 42514), (151, 42562), (154, 42580), (163, 42628), (182, 42772), (189, 42832), (204, 42937), (212, 43024),

Gene: Bogie_29 Start: 25888, Stop: 27054, Start Num: 55
Candidate Starts for Bogie_29:
(27, 25354), (30, 25402), (34, 25507), (Start: 55 @25888 has 53 MA's), (57, 25897), (64, 25942), (65, 25945), (78, 26032), (86, 26077), (95, 26152), (96, 26173), (97, 26191), (104, 26257), (108, 26296), (109, 26308), (118, 26362), (120, 26392), (126, 26413), (128, 26458), (138, 26554), (144, 26593), (145, 26608), (146, 26620), (151, 26647), (169, 26734), (173, 26752), (175, 26758), (183, 26806),

(195, 26851), (201, 26899), (208, 26974),

Gene: Bonamassa_8 Start: 5355, Stop: 6164, Start Num: 92
Candidate Starts for Bonamassa_8:
(Start: 92 @5355 has 49 MA's), (97, 5418), (98, 5427), (104, 5484), (108, 5532), (117, 5613), (139, 5802), (145, 5844), (154, 5901), (162, 5943), (215, 6150),

Gene: BoogieWoogie_48 Start: 41394, Stop: 42749, Start Num: 46
Candidate Starts for BoogieWoogie_48:
(Start: 46 @41394 has 280 MA's), (54, 41445), (58, 41478), (78, 41607), (79, 41610), (81, 41625), (95, 41721), (97, 41760), (101, 41790), (104, 41826), (118, 41937), (120, 41967), (121, 41970), (128, 42036), (145, 42195), (151, 42243), (154, 42261), (163, 42309), (182, 42453), (189, 42513), (204, 42618), (212, 42705),

Gene: Brilliant_49 Start: 41406, Stop: 42761, Start Num: 46
Candidate Starts for Brilliant_49:
(Start: 46 @41406 has 280 MA's), (54, 41457), (58, 41490), (61, 41508), (78, 41619), (79, 41622), (81, 41637), (95, 41733), (97, 41772), (101, 41802), (104, 41838), (118, 41949), (120, 41979), (121, 41982), (128, 42048), (145, 42207), (151, 42255), (154, 42273), (163, 42321), (182, 42465), (189, 42525), (204, 42630), (212, 42717),

Gene: BronnyJr_27 Start: 24517, Stop: 25683, Start Num: 55
Candidate Starts for BronnyJr_27:
(Start: 55 @24517 has 53 MA's), (65, 24574), (78, 24661), (86, 24706), (87, 24709), (95, 24781), (96, 24802), (104, 24886), (108, 24925), (118, 24991), (120, 25021), (126, 25042), (128, 25087), (138, 25183), (144, 25222), (145, 25237), (151, 25276), (169, 25363), (173, 25381), (175, 25387), (183, 25435), (189, 25456), (201, 25528), (208, 25603),

Gene: BruceB_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for BruceB_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Brujita_30 Start: 26243, Stop: 27409, Start Num: 55
Candidate Starts for Brujita_30:
(27, 25709), (30, 25757), (34, 25862), (Start: 55 @26243 has 53 MA's), (57, 26252), (64, 26297), (65, 26300), (78, 26387), (86, 26432), (95, 26507), (96, 26528), (97, 26546), (104, 26612), (108, 26651), (109, 26663), (118, 26717), (120, 26747), (126, 26768), (128, 26813), (138, 26909), (144, 26948), (145, 26963), (146, 26975), (151, 27002), (169, 27089), (173, 27107), (175, 27113), (183, 27161), (195, 27206), (201, 27254), (208, 27329),

Gene: Brusacoram_27 Start: 24047, Stop: 25213, Start Num: 55
Candidate Starts for Brusacoram_27:
(5, 22928), (9, 23081), (15, 23294), (30, 23561), (34, 23666), (Start: 55 @24047 has 53 MA's), (57, 24056), (64, 24101), (65, 24104), (78, 24191), (86, 24236), (95, 24311), (96, 24332), (104, 24416), (108, 24455), (118, 24521), (120, 24551), (126, 24572), (128, 24617), (138, 24713), (144, 24752), (145, 24767), (146, 24779), (151, 24806), (168, 24890), (169, 24893), (173, 24911), (175, 24917), (183, 24965), (195, 25010), (201, 25058), (208, 25133),

Gene: Buckeye_49 Start: 41727, Stop: 43082, Start Num: 46
Candidate Starts for Buckeye_49:

(Start: 46 @41727 has 280 MA's), (54, 41778), (58, 41811), (78, 41940), (79, 41943), (81, 41958), (95, 42054), (97, 42093), (101, 42123), (104, 42159), (118, 42270), (120, 42300), (121, 42303), (128, 42369), (145, 42528), (151, 42576), (154, 42594), (163, 42642), (182, 42786), (189, 42846), (204, 42951), (212, 43038),

Gene: Bunnies_27 Start: 24068, Stop: 25234, Start Num: 55
Candidate Starts for Bunnies_27:
(15, 23315), (30, 23582), (34, 23687), (Start: 55 @24068 has 53 MA's), (57, 24077), (64, 24122), (65, 24125), (78, 24212), (86, 24257), (95, 24332), (96, 24353), (97, 24371), (104, 24437), (108, 24476), (118, 24542), (120, 24572), (126, 24593), (128, 24638), (138, 24734), (144, 24773), (145, 24788), (151, 24827), (169, 24914), (173, 24932), (175, 24938), (183, 24986), (201, 25079), (208, 25154),

Gene: Burr_48 Start: 41401, Stop: 42756, Start Num: 46
Candidate Starts for Burr_48:
(Start: 46 @41401 has 280 MA's), (54, 41452), (58, 41485), (78, 41614), (79, 41617), (81, 41632), (95, 41728), (97, 41767), (101, 41797), (104, 41833), (118, 41944), (120, 41974), (121, 41977), (128, 42043), (145, 42202), (151, 42250), (154, 42268), (163, 42316), (182, 42460), (189, 42520), (204, 42625), (212, 42712),

Gene: Butters_27 Start: 22757, Stop: 23917, Start Num: 55
Candidate Starts for Butters_27:
(10, 21803), (15, 21998), (27, 22232), (34, 22385), (Start: 55 @22757 has 53 MA's), (65, 22814), (78, 22901), (95, 23021), (108, 23165), (109, 23177), (118, 23231), (120, 23261), (126, 23282), (128, 23327), (145, 23477), (146, 23489), (151, 23516), (155, 23537), (164, 23585), (169, 23603), (185, 23681), (190, 23696), (201, 23762), (214, 23879),

Gene: CLED96_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for CLED96_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: CactusJack_27 Start: 24311, Stop: 25477, Start Num: 55
Candidate Starts for CactusJack_27:
(15, 23558), (23, 23729), (30, 23825), (34, 23930), (Start: 55 @24311 has 53 MA's), (57, 24320), (64, 24365), (65, 24368), (78, 24455), (86, 24500), (95, 24575), (96, 24596), (97, 24614), (104, 24680), (108, 24719), (118, 24785), (120, 24815), (126, 24836), (128, 24881), (138, 24977), (144, 25016), (145, 25031), (151, 25070), (169, 25157), (173, 25175), (175, 25181), (183, 25229), (201, 25322), (208, 25397),

Gene: Caitlin_7 Start: 4870, Stop: 5679, Start Num: 92
Candidate Starts for Caitlin_7:
(Start: 92 @4870 has 49 MA's), (100, 4954), (104, 4999), (109, 5059), (116, 5125), (145, 5359), (151, 5398), (154, 5416), (160, 5449), (164, 5467), (196, 5512), (203, 5536), (215, 5665),

Gene: CamL_49 Start: 41696, Stop: 43051, Start Num: 46
Candidate Starts for CamL_49:
(Start: 46 @41696 has 280 MA's), (54, 41747), (58, 41780), (78, 41909), (79, 41912), (81, 41927), (95, 42023), (97, 42062), (101, 42092), (104, 42128), (118, 42239), (120, 42269), (121, 42272), (128, 42338), (145, 42497), (151, 42545), (154, 42563), (163, 42611), (182, 42755), (189, 42815), (204, 42920), (212, 43007),

Gene: CampRoach_50 Start: 41830, Stop: 43185, Start Num: 46
Candidate Starts for CampRoach_50:
(Start: 46 @41830 has 280 MA's), (54, 41881), (58, 41914), (78, 42043), (79, 42046), (81, 42061), (95, 42157), (97, 42196), (101, 42226), (104, 42262), (118, 42373), (120, 42403), (121, 42406), (128, 42472), (145, 42631), (151, 42679), (154, 42697), (163, 42745), (182, 42889), (189, 42949), (204, 43054), (212, 43141),

Gene: Camri_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Camri_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Camster_27 Start: 24084, Stop: 25250, Start Num: 55
Candidate Starts for Camster_27:
(Start: 55 @24084 has 53 MA's), (64, 24138), (65, 24141), (78, 24228), (86, 24273), (90, 24306), (95, 24348), (96, 24369), (97, 24387), (104, 24453), (108, 24492), (118, 24558), (120, 24588), (126, 24609), (128, 24654), (138, 24750), (144, 24789), (145, 24804), (151, 24843), (169, 24930), (173, 24948), (175, 24954), (183, 25002), (189, 25023), (201, 25095), (208, 25170),

Gene: Cannibal_49 Start: 41679, Stop: 43034, Start Num: 46
Candidate Starts for Cannibal_49:
(Start: 46 @41679 has 280 MA's), (54, 41730), (58, 41763), (78, 41892), (79, 41895), (81, 41910), (95, 42006), (97, 42045), (101, 42075), (104, 42111), (118, 42222), (120, 42252), (121, 42255), (128, 42321), (145, 42480), (151, 42528), (154, 42546), (163, 42594), (182, 42738), (189, 42798), (204, 42903), (212, 42990),

Gene: Carthage_47 Start: 40626, Stop: 41981, Start Num: 46
Candidate Starts for Carthage_47:
(Start: 46 @40626 has 280 MA's), (54, 40677), (58, 40710), (78, 40839), (79, 40842), (81, 40857), (95, 40953), (97, 40992), (101, 41022), (104, 41058), (118, 41169), (120, 41199), (121, 41202), (128, 41268), (145, 41427), (151, 41475), (154, 41493), (163, 41541), (182, 41685), (189, 41745), (204, 41850), (212, 41937),

Gene: Caspiboi_48 Start: 41405, Stop: 42760, Start Num: 46
Candidate Starts for Caspiboi_48:
(Start: 46 @41405 has 280 MA's), (54, 41456), (58, 41489), (78, 41618), (79, 41621), (81, 41636), (95, 41732), (97, 41771), (101, 41801), (104, 41837), (118, 41948), (120, 41978), (121, 41981), (128, 42047), (145, 42206), (151, 42254), (154, 42272), (163, 42320), (182, 42464), (189, 42524), (204, 42629), (212, 42716),

Gene: CassieYates_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for CassieYates_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Cedasite_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Cedasite_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123,

25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Chadwick_9 Start: 5150, Stop: 5959, Start Num: 92
Candidate Starts for Chadwick_9:
(80, 5087), (88, 5126), (Start: 92 @5150 has 49 MA's), (97, 5213), (104, 5279), (105, 5294), (108, 5327), (139, 5597), (145, 5639), (151, 5678), (154, 5696), (159, 5726), (214, 5924),

Gene: Chaelin_49 Start: 41402, Stop: 42757, Start Num: 46
Candidate Starts for Chaelin_49:
(Start: 46 @41402 has 280 MA's), (54, 41453), (58, 41486), (78, 41615), (79, 41618), (81, 41633), (95, 41729), (97, 41768), (101, 41798), (104, 41834), (118, 41945), (120, 41975), (121, 41978), (128, 42044), (145, 42203), (151, 42251), (154, 42269), (163, 42317), (182, 42461), (189, 42521), (204, 42626), (212, 42713),

Gene: Chah_51 Start: 41857, Stop: 43212, Start Num: 46
Candidate Starts for Chah_51:
(Start: 46 @41857 has 280 MA's), (54, 41908), (58, 41941), (78, 42070), (79, 42073), (81, 42088), (95, 42184), (97, 42223), (101, 42253), (104, 42289), (118, 42400), (120, 42430), (121, 42433), (128, 42499), (145, 42658), (151, 42706), (154, 42724), (163, 42772), (182, 42916), (189, 42976), (204, 43081), (212, 43168),

Gene: Chance64_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Chance64_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (151, 26011), (155, 26032), (162, 26071), (163, 26077),

Gene: Charles1_49 Start: 41687, Stop: 43042, Start Num: 46
Candidate Starts for Charles1_49:
(Start: 46 @41687 has 280 MA's), (54, 41738), (58, 41771), (78, 41900), (79, 41903), (81, 41918), (95, 42014), (97, 42053), (101, 42083), (104, 42119), (118, 42230), (120, 42260), (121, 42263), (128, 42329), (145, 42488), (151, 42536), (154, 42554), (163, 42602), (182, 42746), (189, 42806), (204, 42911), (212, 42998),

Gene: CharlieGBrown_48 Start: 41277, Stop: 42632, Start Num: 46
Candidate Starts for CharlieGBrown_48:
(Start: 46 @41277 has 280 MA's), (54, 41328), (58, 41361), (78, 41490), (79, 41493), (81, 41508), (95, 41604), (97, 41643), (101, 41673), (104, 41709), (118, 41820), (120, 41850), (121, 41853), (128, 41919), (145, 42078), (151, 42126), (154, 42144), (163, 42192), (182, 42336), (189, 42396), (204, 42501), (212, 42588),

Gene: CheetO_49 Start: 41719, Stop: 43074, Start Num: 46
Candidate Starts for CheetO_49:
(Start: 46 @41719 has 280 MA's), (54, 41770), (58, 41803), (78, 41932), (79, 41935), (81, 41950), (95, 42046), (97, 42085), (101, 42115), (104, 42151), (118, 42262), (120, 42292), (121, 42295), (128, 42361), (145, 42520), (151, 42568), (154, 42586), (163, 42634), (182, 42778), (189, 42838), (204, 42943), (208, 42997), (212, 43030),

Gene: Cher_48 Start: 41424, Stop: 42779, Start Num: 46
Candidate Starts for Cher_48:
(Start: 46 @41424 has 280 MA's), (54, 41475), (58, 41508), (78, 41637), (79, 41640), (81, 41655), (95, 41751), (97, 41790), (101, 41820), (104, 41856), (118, 41967), (120, 41997), (121, 42000), (128,

42066), (145, 42225), (151, 42273), (154, 42291), (163, 42339), (182, 42483), (189, 42543), (204, 42648), (212, 42735),

Gene: Cherrybomb426_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Cherrybomb426_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Childish_48 Start: 41427, Stop: 42782, Start Num: 46
Candidate Starts for Childish_48:
(Start: 46 @41427 has 280 MA's), (54, 41478), (58, 41511), (78, 41640), (79, 41643), (81, 41658), (95, 41754), (97, 41793), (101, 41823), (104, 41859), (118, 41970), (120, 42000), (121, 42003), (128, 42069), (145, 42228), (151, 42276), (154, 42294), (163, 42342), (182, 42486), (189, 42546), (204, 42651), (212, 42738),

Gene: Chipette_50 Start: 41917, Stop: 43272, Start Num: 46
Candidate Starts for Chipette_50:
(Start: 46 @41917 has 280 MA's), (54, 41968), (58, 42001), (61, 42019), (78, 42130), (79, 42133), (81, 42148), (95, 42244), (97, 42283), (101, 42313), (104, 42349), (118, 42460), (120, 42490), (121, 42493), (128, 42559), (145, 42718), (151, 42766), (154, 42784), (163, 42832), (182, 42976), (189, 43036), (204, 43141), (208, 43195), (212, 43228),

Gene: Chorkpop_49 Start: 41435, Stop: 42790, Start Num: 46
Candidate Starts for Chorkpop_49:
(Start: 46 @41435 has 280 MA's), (54, 41486), (58, 41519), (61, 41537), (78, 41648), (79, 41651), (81, 41666), (95, 41762), (97, 41801), (101, 41831), (104, 41867), (118, 41978), (120, 42008), (121, 42011), (128, 42077), (145, 42236), (151, 42284), (154, 42302), (163, 42350), (182, 42494), (189, 42554), (204, 42659), (212, 42746),

Gene: Chubbello_27 Start: 24051, Stop: 25217, Start Num: 55
Candidate Starts for Chubbello_27:
(Start: 55 @24051 has 53 MA's), (65, 24108), (78, 24195), (86, 24240), (95, 24315), (96, 24336), (104, 24420), (108, 24459), (118, 24525), (120, 24555), (126, 24576), (128, 24621), (138, 24717), (144, 24756), (145, 24771), (151, 24810), (169, 24897), (173, 24915), (175, 24921), (183, 24969), (189, 24990), (201, 25062), (208, 25137),

Gene: Chuni_48 Start: 41721, Stop: 43076, Start Num: 46
Candidate Starts for Chuni_48:
(Start: 46 @41721 has 280 MA's), (54, 41772), (58, 41805), (61, 41823), (78, 41934), (79, 41937), (81, 41952), (95, 42048), (97, 42087), (101, 42117), (104, 42153), (118, 42264), (120, 42294), (121, 42297), (128, 42363), (145, 42522), (151, 42570), (154, 42588), (163, 42636), (182, 42780), (189, 42840), (204, 42945), (212, 43032),

Gene: Chunky_49 Start: 41722, Stop: 43086, Start Num: 46
Candidate Starts for Chunky_49:
(Start: 46 @41722 has 280 MA's), (54, 41773), (58, 41806), (78, 41935), (79, 41938), (81, 41953), (95, 42049), (97, 42088), (101, 42118), (104, 42154), (118, 42265), (120, 42295), (121, 42298), (128, 42364), (145, 42523), (151, 42571), (154, 42589), (163, 42637), (182, 42781), (189, 42841), (204, 42946), (212, 43033),

Gene: Chute_48 Start: 41751, Stop: 43106, Start Num: 46

Candidate Starts for Chute_48:
(Start: 46 @41751 has 280 MA's), (54, 41802), (58, 41835), (78, 41964), (79, 41967), (81, 41982), (95, 42078), (97, 42117), (101, 42147), (104, 42183), (118, 42294), (120, 42324), (121, 42327), (128, 42393), (145, 42552), (151, 42600), (154, 42618), (163, 42666), (182, 42810), (189, 42870), (204, 42975), (212, 43062),

Gene: Cobra_49 Start: 41708, Stop: 43063, Start Num: 46
Candidate Starts for Cobra_49:
(Start: 46 @41708 has 280 MA's), (54, 41759), (58, 41792), (78, 41921), (79, 41924), (81, 41939), (95, 42035), (97, 42074), (101, 42104), (104, 42140), (118, 42251), (120, 42281), (121, 42284), (128, 42350), (145, 42509), (151, 42557), (154, 42575), (163, 42623), (182, 42767), (189, 42827), (204, 42932), (212, 43019),

Gene: Colbert_49 Start: 41775, Stop: 43130, Start Num: 46
Candidate Starts for Colbert_49:
(Start: 46 @41775 has 280 MA's), (54, 41826), (58, 41859), (78, 41988), (79, 41991), (81, 42006), (95, 42102), (97, 42141), (101, 42171), (104, 42207), (118, 42318), (120, 42348), (121, 42351), (128, 42417), (145, 42576), (151, 42624), (154, 42642), (163, 42690), (182, 42834), (189, 42894), (204, 42999), (208, 43053), (212, 43086),

Gene: Coleslaw_28 Start: 25192, Stop: 26400, Start Num: 50
Candidate Starts for Coleslaw_28:
(41, 25099), (Start: 50 @25192 has 69 MA's), (76, 25366), (85, 25438), (97, 25537), (98, 25546), (102, 25570), (103, 25579), (104, 25603), (106, 25624), (108, 25651), (109, 25663), (118, 25735), (123, 25774), (145, 25963), (148, 25987), (151, 26002), (155, 26023), (163, 26068), (164, 26071), (180, 26122),

Gene: Coletti_49 Start: 41751, Stop: 43106, Start Num: 46
Candidate Starts for Coletti_49:
(Start: 46 @41751 has 280 MA's), (54, 41802), (58, 41835), (78, 41964), (79, 41967), (81, 41982), (95, 42078), (97, 42117), (101, 42147), (104, 42183), (118, 42294), (120, 42324), (121, 42327), (128, 42393), (145, 42552), (151, 42600), (154, 42618), (163, 42666), (182, 42810), (189, 42870), (204, 42975), (212, 43062),

Gene: Conspiracy_8 Start: 5173, Stop: 5982, Start Num: 92
Candidate Starts for Conspiracy_8:
(Start: 92 @5173 has 49 MA's), (97, 5236), (98, 5245), (101, 5266), (104, 5302), (108, 5350), (114, 5407), (117, 5431), (145, 5662), (154, 5719), (215, 5968),

Gene: Coog_8 Start: 5323, Stop: 6132, Start Num: 92
Candidate Starts for Coog_8:
(Start: 92 @5323 has 49 MA's), (97, 5386), (98, 5395), (104, 5452), (108, 5500), (139, 5770), (145, 5812), (154, 5869), (162, 5911), (215, 6118),

Gene: Cornbread_48 Start: 41424, Stop: 42779, Start Num: 46
Candidate Starts for Cornbread_48:
(Start: 46 @41424 has 280 MA's), (54, 41475), (58, 41508), (78, 41637), (79, 41640), (81, 41655), (95, 41751), (97, 41790), (101, 41820), (104, 41856), (118, 41967), (120, 41997), (121, 42000), (128, 42066), (145, 42225), (151, 42273), (154, 42291), (163, 42339), (182, 42483), (189, 42543), (204, 42648), (212, 42735),

Gene: Cornobble_48 Start: 41265, Stop: 42620, Start Num: 46
Candidate Starts for Cornobble_48:

(Start: 46 @41265 has 280 MA's), (54, 41316), (58, 41349), (78, 41478), (79, 41481), (81, 41496), (95, 41592), (97, 41631), (101, 41661), (104, 41697), (118, 41808), (120, 41838), (121, 41841), (128, 41907), (145, 42066), (151, 42114), (154, 42132), (163, 42180), (182, 42324), (189, 42384), (204, 42489), (208, 42543), (212, 42576),

Gene: Cosmolli16_48 Start: 41415, Stop: 42770, Start Num: 46
Candidate Starts for Cosmolli16_48:
(Start: 46 @41415 has 280 MA's), (54, 41466), (58, 41499), (78, 41628), (79, 41631), (81, 41646), (95, 41742), (97, 41781), (101, 41811), (104, 41847), (118, 41958), (120, 41988), (121, 41991), (128, 42057), (145, 42216), (151, 42264), (154, 42282), (163, 42330), (182, 42474), (189, 42534), (204, 42639), (212, 42726),

Gene: Craff_50 Start: 41843, Stop: 43198, Start Num: 46
Candidate Starts for Craff_50:
(Start: 46 @41843 has 280 MA's), (54, 41894), (58, 41927), (78, 42056), (79, 42059), (81, 42074), (95, 42170), (97, 42209), (101, 42239), (104, 42275), (118, 42386), (120, 42416), (121, 42419), (128, 42485), (145, 42644), (151, 42692), (154, 42710), (163, 42758), (182, 42902), (189, 42962), (204, 43067), (212, 43154),

Gene: Crespo_28 Start: 25202, Stop: 26410, Start Num: 50
Candidate Starts for Crespo_28:
(41, 25109), (Start: 50 @25202 has 69 MA's), (76, 25376), (85, 25448), (97, 25547), (98, 25556), (102, 25580), (103, 25589), (104, 25613), (106, 25634), (108, 25661), (109, 25673), (118, 25745), (123, 25784), (145, 25973), (148, 25997), (151, 26012), (155, 26033), (163, 26078), (164, 26081), (180, 26132),

Gene: Crownjwl_49 Start: 41484, Stop: 42839, Start Num: 46
Candidate Starts for Crownjwl_49:
(Start: 46 @41484 has 280 MA's), (54, 41535), (58, 41568), (61, 41586), (78, 41697), (79, 41700), (81, 41715), (95, 41811), (97, 41850), (101, 41880), (104, 41916), (118, 42027), (120, 42057), (121, 42060), (128, 42126), (145, 42285), (151, 42333), (154, 42351), (163, 42399), (182, 42543), (189, 42603), (204, 42708), (212, 42795),

Gene: Cuco_8 Start: 5354, Stop: 6163, Start Num: 92
Candidate Starts for Cuco_8:
(Start: 92 @5354 has 49 MA's), (97, 5417), (98, 5426), (104, 5483), (108, 5531), (117, 5612), (139, 5801), (145, 5843), (154, 5900), (162, 5942), (215, 6149),

Gene: DMoney_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for DMoney_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: DNAIII_0028 Start: 24952, Stop: 26160, Start Num: 50
Candidate Starts for DNAIII_0028:
(41, 24859), (Start: 50 @24952 has 69 MA's), (76, 25126), (85, 25198), (97, 25297), (98, 25306), (102, 25330), (103, 25339), (104, 25363), (106, 25384), (108, 25411), (109, 25423), (118, 25495), (123, 25534), (145, 25723), (148, 25747), (151, 25762), (155, 25783), (163, 25828), (164, 25831), (180, 25882),

Gene: DaddyDaniels_49 Start: 41396, Stop: 42751, Start Num: 46

Candidate Starts for DaddyDaniels_49:
(Start: 46 @41396 has 280 MA's), (54, 41447), (58, 41480), (78, 41609), (79, 41612), (81, 41627), (95, 41723), (97, 41762), (101, 41792), (104, 41828), (118, 41939), (120, 41969), (121, 41972), (128, 42038), (145, 42197), (151, 42245), (154, 42263), (163, 42311), (182, 42455), (189, 42515), (204, 42620), (212, 42707),

Gene: Daegal_34 Start: 28633, Stop: 29868, Start Num: 48
Candidate Starts for Daegal_34:
(Start: 48 @28633 has 22 MA's), (60, 28726), (62, 28738), (64, 28759), (67, 28771), (70, 28783), (71, 28786), (82, 28867), (87, 28900), (95, 28960), (97, 28999), (98, 29008), (99, 29011), (101, 29029), (104, 29065), (108, 29113), (109, 29125), (110, 29131), (117, 29194), (118, 29197), (119, 29224), (123, 29236), (129, 29293), (134, 29338), (145, 29425), (146, 29437), (151, 29464), (155, 29485), (158, 29500), (170, 29554), (180, 29584), (183, 29617), (185, 29626), (187, 29632), (191, 29644), (193, 29653), (202, 29716), (208, 29785), (211, 29812),

Gene: Daffy_49 Start: 41421, Stop: 42776, Start Num: 46
Candidate Starts for Daffy_49:
(Start: 46 @41421 has 280 MA's), (54, 41472), (58, 41505), (78, 41634), (79, 41637), (81, 41652), (95, 41748), (97, 41787), (101, 41817), (104, 41853), (118, 41964), (120, 41994), (121, 41997), (128, 42063), (145, 42222), (151, 42270), (154, 42288), (163, 42336), (182, 42480), (189, 42540), (204, 42645), (212, 42732),

Gene: Daka_50 Start: 41700, Stop: 43055, Start Num: 46
Candidate Starts for Daka_50:
(Start: 46 @41700 has 280 MA's), (54, 41751), (58, 41784), (61, 41802), (78, 41913), (79, 41916), (81, 41931), (95, 42027), (97, 42066), (101, 42096), (104, 42132), (118, 42243), (120, 42273), (121, 42276), (128, 42342), (145, 42501), (151, 42549), (154, 42567), (163, 42615), (182, 42759), (189, 42819), (204, 42924), (208, 42978), (212, 43011),

Gene: Danforth_7 Start: 4852, Stop: 5661, Start Num: 92
Candidate Starts for Danforth_7:
(Start: 92 @4852 has 49 MA's), (100, 4936), (104, 4981), (109, 5041), (116, 5107), (145, 5341), (151, 5380), (154, 5398), (160, 5431), (164, 5449), (196, 5494), (203, 5518), (215, 5647),

Gene: Darionha_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Darionha_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Dati_49 Start: 41424, Stop: 42779, Start Num: 46
Candidate Starts for Dati_49:
(Start: 46 @41424 has 280 MA's), (54, 41475), (58, 41508), (79, 41640), (81, 41655), (95, 41751), (97, 41790), (101, 41820), (104, 41856), (118, 41967), (120, 41997), (121, 42000), (128, 42066), (145, 42225), (151, 42273), (154, 42291), (163, 42339), (182, 42483), (189, 42543), (204, 42648), (208, 42702), (212, 42735),

Gene: DeepSoil15_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for DeepSoil15_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (62, 28444), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119,

28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: DelRivs_48 Start: 41428, Stop: 42783, Start Num: 46
Candidate Starts for DelRivs_48:
(Start: 46 @41428 has 280 MA's), (54, 41479), (58, 41512), (78, 41641), (79, 41644), (81, 41659), (95, 41755), (97, 41794), (101, 41824), (104, 41860), (118, 41971), (120, 42001), (121, 42004), (128, 42070), (145, 42229), (151, 42277), (154, 42295), (163, 42343), (182, 42487), (189, 42547), (204, 42652), (212, 42739),

Gene: Derpp_48 Start: 41266, Stop: 42621, Start Num: 46
Candidate Starts for Derpp_48:
(Start: 46 @41266 has 280 MA's), (54, 41317), (58, 41350), (78, 41479), (79, 41482), (81, 41497), (95, 41593), (97, 41632), (101, 41662), (104, 41698), (118, 41809), (120, 41839), (121, 41842), (128, 41908), (145, 42067), (151, 42115), (154, 42133), (163, 42181), (182, 42325), (189, 42385), (204, 42490), (212, 42577),

Gene: Dewey_32 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Dewey_32:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Dice_48 Start: 41392, Stop: 42747, Start Num: 46
Candidate Starts for Dice_48:
(Start: 46 @41392 has 280 MA's), (54, 41443), (58, 41476), (78, 41605), (79, 41608), (81, 41623), (95, 41719), (97, 41758), (101, 41788), (104, 41824), (118, 41935), (120, 41965), (121, 41968), (128, 42034), (145, 42193), (151, 42241), (154, 42259), (163, 42307), (182, 42451), (189, 42511), (204, 42616), (212, 42703),

Gene: DingDing_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for DingDing_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Dingo_49 Start: 41691, Stop: 43046, Start Num: 46
Candidate Starts for Dingo_49:
(Start: 46 @41691 has 280 MA's), (54, 41742), (58, 41775), (61, 41793), (78, 41904), (79, 41907), (81, 41922), (95, 42018), (97, 42057), (101, 42087), (104, 42123), (118, 42234), (120, 42264), (121, 42267), (128, 42333), (145, 42492), (151, 42540), (154, 42558), (163, 42606), (182, 42750), (189, 42810), (204, 42915), (212, 43002),

Gene: Dione_48 Start: 41400, Stop: 42755, Start Num: 46
Candidate Starts for Dione_48:
(Start: 46 @41400 has 280 MA's), (54, 41451), (58, 41484), (78, 41613), (79, 41616), (81, 41631), (95, 41727), (97, 41766), (101, 41796), (104, 41832), (118, 41943), (120, 41973), (121, 41976), (128, 42042), (145, 42201), (151, 42249), (154, 42267), (163, 42315), (182, 42459), (189, 42519), (204, 42624), (212, 42711),

Gene: DirtJuice_49 Start: 41690, Stop: 43045, Start Num: 46
Candidate Starts for DirtJuice_49:
(Start: 46 @41690 has 280 MA's), (54, 41741), (58, 41774), (78, 41903), (79, 41906), (81, 41921), (95, 42017), (97, 42056), (101, 42086), (104, 42122), (118, 42233), (120, 42263), (121, 42266), (128, 42332), (145, 42491), (151, 42539), (154, 42557), (163, 42605), (182, 42749), (189, 42809), (204, 42914), (208, 42968), (212, 43001),

Gene: Discoknowium_8 Start: 5463, Stop: 6272, Start Num: 92
Candidate Starts for Discoknowium_8:
(Start: 92 @5463 has 49 MA's), (97, 5526), (98, 5535), (101, 5556), (104, 5592), (108, 5640), (114, 5697), (117, 5721), (139, 5910), (145, 5952), (154, 6009), (215, 6258),

Gene: Dixon_8 Start: 4871, Stop: 5680, Start Num: 92
Candidate Starts for Dixon_8:
(Start: 92 @4871 has 49 MA's), (100, 4955), (104, 5000), (109, 5060), (116, 5126), (145, 5360), (147, 5378), (151, 5399), (154, 5417), (160, 5450), (164, 5468), (196, 5513), (203, 5537), (215, 5666),

Gene: Doddsville_49 Start: 41420, Stop: 42775, Start Num: 46
Candidate Starts for Doddsville_49:
(Start: 46 @41420 has 280 MA's), (54, 41471), (58, 41504), (78, 41633), (79, 41636), (81, 41651), (95, 41747), (97, 41786), (101, 41816), (104, 41852), (118, 41963), (120, 41993), (121, 41996), (128, 42062), (145, 42221), (151, 42269), (154, 42287), (163, 42335), (182, 42479), (189, 42539), (204, 42644), (212, 42731),

Gene: DoesntMatter_48 Start: 41693, Stop: 43048, Start Num: 46
Candidate Starts for DoesntMatter_48:
(Start: 46 @41693 has 280 MA's), (54, 41744), (58, 41777), (78, 41906), (79, 41909), (81, 41924), (95, 42020), (97, 42059), (101, 42089), (104, 42125), (118, 42236), (120, 42266), (121, 42269), (128, 42335), (145, 42494), (151, 42542), (154, 42560), (163, 42608), (182, 42752), (189, 42812), (204, 42917), (212, 43004),

Gene: DolOn_52 Start: 42068, Stop: 43423, Start Num: 46
Candidate Starts for DolOn_52:
(Start: 46 @42068 has 280 MA's), (54, 42119), (58, 42152), (78, 42281), (79, 42284), (81, 42299), (95, 42395), (97, 42434), (101, 42464), (104, 42500), (118, 42611), (120, 42641), (121, 42644), (128, 42710), (145, 42869), (151, 42917), (154, 42935), (163, 42983), (182, 43127), (189, 43187), (204, 43292), (212, 43379),

Gene: DonSanchon_48 Start: 41403, Stop: 42758, Start Num: 46
Candidate Starts for DonSanchon_48:
(Start: 46 @41403 has 280 MA's), (54, 41454), (58, 41487), (78, 41616), (79, 41619), (81, 41634), (95, 41730), (97, 41769), (101, 41799), (104, 41835), (118, 41946), (120, 41976), (121, 41979), (128, 42045), (145, 42204), (151, 42252), (154, 42270), (163, 42318), (182, 42462), (189, 42522), (204, 42627), (212, 42714),

Gene: Donovan_27 Start: 24041, Stop: 25207, Start Num: 55
Candidate Starts for Donovan_27:
(Start: 55 @24041 has 53 MA's), (65, 24098), (78, 24185), (86, 24230), (95, 24305), (96, 24326), (104, 24410), (108, 24449), (118, 24515), (120, 24545), (126, 24566), (128, 24611), (138, 24707), (144, 24746), (145, 24761), (151, 24800), (169, 24887), (173, 24905), (175, 24911), (183, 24959), (189, 24980), (201, 25052), (208, 25127),

Gene: Dublin_7 Start: 5322, Stop: 6131, Start Num: 92
Candidate Starts for Dublin_7:
(Start: 92 @5322 has 49 MA's), (97, 5385), (98, 5394), (104, 5451), (108, 5499), (139, 5769), (145, 5811), (154, 5868), (162, 5910), (215, 6117),

Gene: DuchessDung_48 Start: 40692, Stop: 42047, Start Num: 46
Candidate Starts for DuchessDung_48:
(Start: 46 @40692 has 280 MA's), (54, 40743), (58, 40776), (78, 40905), (79, 40908), (81, 40923), (95, 41019), (97, 41058), (101, 41088), (104, 41124), (118, 41235), (120, 41265), (121, 41268), (128, 41334), (145, 41493), (151, 41541), (154, 41559), (163, 41607), (182, 41751), (189, 41811), (204, 41916), (212, 42003),

Gene: Duggie_48 Start: 41422, Stop: 42777, Start Num: 46
Candidate Starts for Duggie_48:
(Start: 46 @41422 has 280 MA's), (54, 41473), (58, 41506), (78, 41635), (79, 41638), (81, 41653), (95, 41749), (97, 41788), (101, 41818), (104, 41854), (118, 41965), (120, 41995), (121, 41998), (128, 42064), (145, 42223), (151, 42271), (154, 42289), (163, 42337), (182, 42481), (189, 42541), (204, 42646), (212, 42733),

Gene: Durga_50 Start: 41858, Stop: 43213, Start Num: 46
Candidate Starts for Durga_50:
(Start: 46 @41858 has 280 MA's), (54, 41909), (58, 41942), (78, 42071), (79, 42074), (81, 42089), (95, 42185), (97, 42224), (101, 42254), (104, 42290), (118, 42401), (120, 42431), (121, 42434), (128, 42500), (145, 42659), (151, 42707), (154, 42725), (163, 42773), (182, 42917), (189, 42977), (204, 43082), (212, 43169),

Gene: Dynamo_27 Start: 24463, Stop: 25629, Start Num: 55
Candidate Starts for Dynamo_27:
(Start: 55 @24463 has 53 MA's), (65, 24520), (78, 24607), (86, 24652), (95, 24727), (96, 24748), (104, 24832), (108, 24871), (118, 24937), (120, 24967), (126, 24988), (128, 25033), (138, 25129), (144, 25168), (145, 25183), (151, 25222), (169, 25309), (173, 25327), (175, 25333), (183, 25381), (189, 25402), (201, 25474), (208, 25549),

Gene: ECartman_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for ECartman_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (151, 26011), (155, 26032), (162, 26071), (163, 26077),

Gene: Ein37_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Ein37_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: ElTiger69_8 Start: 5180, Stop: 5989, Start Num: 92
Candidate Starts for ElTiger69_8:
(Start: 92 @5180 has 49 MA's), (96, 5225), (104, 5309), (105, 5324), (108, 5357), (139, 5627), (145, 5669), (151, 5708), (154, 5726), (159, 5756), (214, 5954),

Gene: ElvisPhasley_50 Start: 41880, Stop: 43235, Start Num: 46

Candidate Starts for ElvisPhasley_50:
(Start: 46 @41880 has 280 MA's), (54, 41931), (58, 41964), (78, 42093), (79, 42096), (81, 42111), (95, 42207), (97, 42246), (101, 42276), (104, 42312), (118, 42423), (120, 42453), (121, 42456), (128, 42522), (145, 42681), (151, 42729), (154, 42747), (163, 42795), (182, 42939), (189, 42999), (204, 43104), (208, 43158), (212, 43191),

Gene: Emiris_50 Start: 41826, Stop: 43181, Start Num: 46
Candidate Starts for Emiris_50:
(Start: 46 @41826 has 280 MA's), (54, 41877), (58, 41910), (78, 42039), (79, 42042), (81, 42057), (95, 42153), (97, 42192), (101, 42222), (104, 42258), (118, 42369), (120, 42399), (121, 42402), (128, 42468), (145, 42627), (151, 42675), (154, 42693), (163, 42741), (182, 42885), (189, 42945), (204, 43050), (212, 43137),

Gene: EmpTee_49 Start: 41706, Stop: 43061, Start Num: 46
Candidate Starts for EmpTee_49:
(Start: 46 @41706 has 280 MA's), (54, 41757), (58, 41790), (61, 41808), (78, 41919), (79, 41922), (81, 41937), (95, 42033), (97, 42072), (101, 42102), (104, 42138), (118, 42249), (120, 42279), (121, 42282), (128, 42348), (145, 42507), (151, 42555), (154, 42573), (163, 42621), (182, 42765), (189, 42825), (204, 42930), (212, 43017),

Gene: Eremos_49 Start: 41699, Stop: 43054, Start Num: 46
Candidate Starts for Eremos_49:
(Start: 46 @41699 has 280 MA's), (54, 41750), (58, 41783), (78, 41912), (79, 41915), (81, 41930), (95, 42026), (97, 42065), (101, 42095), (104, 42131), (118, 42242), (120, 42272), (121, 42275), (128, 42341), (145, 42500), (151, 42548), (154, 42566), (163, 42614), (182, 42758), (189, 42818), (204, 42923), (212, 43010),

Gene: Etaye_49 Start: 41693, Stop: 43048, Start Num: 46
Candidate Starts for Etaye_49:
(Start: 46 @41693 has 280 MA's), (54, 41744), (58, 41777), (78, 41906), (79, 41909), (81, 41924), (95, 42020), (97, 42059), (101, 42089), (104, 42125), (118, 42236), (120, 42266), (121, 42269), (128, 42335), (145, 42494), (151, 42542), (154, 42560), (163, 42608), (182, 42752), (189, 42812), (204, 42917), (208, 42971), (212, 43004),

Gene: Etoile_27 Start: 24052, Stop: 25218, Start Num: 55
Candidate Starts for Etoile_27:
(Start: 55 @24052 has 53 MA's), (65, 24109), (78, 24196), (86, 24241), (95, 24316), (96, 24337), (104, 24421), (108, 24460), (118, 24526), (120, 24556), (126, 24577), (128, 24622), (138, 24718), (144, 24757), (145, 24772), (151, 24811), (169, 24898), (173, 24916), (175, 24922), (183, 24970), (189, 24991), (201, 25063), (208, 25138),

Gene: Eugenia_49 Start: 41703, Stop: 43058, Start Num: 46
Candidate Starts for Eugenia_49:
(Start: 46 @41703 has 280 MA's), (54, 41754), (58, 41787), (78, 41916), (79, 41919), (81, 41934), (95, 42030), (97, 42069), (101, 42099), (104, 42135), (118, 42246), (120, 42276), (121, 42279), (128, 42345), (145, 42504), (151, 42552), (154, 42570), (163, 42618), (182, 42762), (189, 42822), (204, 42927), (212, 43014),

Gene: Evanesce_32 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Evanesce_32:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930),

(123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Expelliarmus_7 Start: 4838, Stop: 5647, Start Num: 92
Candidate Starts for Expelliarmus_7:
(Start: 92 @4838 has 49 MA's), (100, 4922), (104, 4967), (109, 5027), (116, 5093), (145, 5327), (151, 5366), (154, 5384), (160, 5417), (164, 5435), (196, 5480), (203, 5504), (215, 5633),

Gene: Faiyaz_32 Start: 29089, Stop: 30312, Start Num: 50
Candidate Starts for Faiyaz_32:
(Start: 50 @29089 has 69 MA's), (61, 29185), (64, 29209), (71, 29236), (76, 29269), (79, 29299), (95, 29404), (97, 29443), (98, 29452), (102, 29476), (104, 29509), (108, 29557), (109, 29569), (118, 29641), (127, 29698), (135, 29785), (145, 29872), (146, 29884), (151, 29911), (154, 29929), (155, 29932), (157, 29941), (180, 30031), (199, 30136), (207, 30223), (208, 30232),

Gene: Fang_50 Start: 41851, Stop: 43206, Start Num: 46
Candidate Starts for Fang_50:
(Start: 46 @41851 has 280 MA's), (54, 41902), (58, 41935), (78, 42064), (79, 42067), (81, 42082), (95, 42178), (97, 42217), (101, 42247), (104, 42283), (118, 42394), (120, 42424), (121, 42427), (128, 42493), (145, 42652), (151, 42700), (154, 42718), (163, 42766), (182, 42910), (189, 42970), (204, 43075), (212, 43162),

Gene: FirstPlacePfu_27 Start: 24052, Stop: 25218, Start Num: 55
Candidate Starts for FirstPlacePfu_27:
(Start: 55 @24052 has 53 MA's), (65, 24109), (78, 24196), (86, 24241), (95, 24316), (96, 24337), (104, 24421), (108, 24460), (118, 24526), (120, 24556), (126, 24577), (128, 24622), (138, 24718), (144, 24757), (145, 24772), (146, 24784), (151, 24811), (169, 24898), (173, 24916), (175, 24922), (183, 24970), (189, 24991), (201, 25063), (208, 25138),

Gene: Fishburne_27 Start: 24052, Stop: 25218, Start Num: 55
Candidate Starts for Fishburne_27:
(Start: 55 @24052 has 53 MA's), (65, 24109), (78, 24196), (86, 24241), (95, 24316), (96, 24337), (104, 24421), (108, 24460), (118, 24526), (120, 24556), (126, 24577), (128, 24622), (138, 24718), (144, 24757), (145, 24772), (146, 24784), (151, 24811), (169, 24898), (173, 24916), (175, 24922), (183, 24970), (189, 24991), (201, 25063), (208, 25138),

Gene: Flake_51 Start: 41758, Stop: 43113, Start Num: 46
Candidate Starts for Flake_51:
(Start: 46 @41758 has 280 MA's), (54, 41809), (58, 41842), (78, 41971), (79, 41974), (81, 41989), (95, 42085), (97, 42124), (101, 42154), (104, 42190), (118, 42301), (120, 42331), (121, 42334), (128, 42400), (145, 42559), (151, 42607), (154, 42625), (163, 42673), (182, 42817), (189, 42877), (204, 42982), (212, 43069),

Gene: FleetyMac_50 Start: 41711, Stop: 43066, Start Num: 46
Candidate Starts for FleetyMac_50:
(Start: 46 @41711 has 280 MA's), (54, 41762), (58, 41795), (78, 41924), (79, 41927), (81, 41942), (95, 42038), (97, 42077), (101, 42107), (104, 42143), (118, 42254), (120, 42284), (121, 42287), (128, 42353), (145, 42512), (151, 42560), (154, 42578), (163, 42626), (182, 42770), (189, 42830), (204, 42935), (212, 43022),

Gene: Florence1_8 Start: 5215, Stop: 5952, Start Num: 98
Candidate Starts for Florence1_8:

(83, 5101), (Start: 92 @5143 has 49 MA's), (98, 5215), (104, 5272), (108, 5320), (117, 5401), (139, 5590), (145, 5632), (154, 5689),

Gene: Florence4_9 Start: 5143, Stop: 5952, Start Num: 92
Candidate Starts for Florence4_9:
(83, 5101), (Start: 92 @5143 has 49 MA's), (98, 5215), (104, 5272), (108, 5320), (117, 5401), (139, 5590), (145, 5632), (154, 5689),

Gene: FluffyNinja_50 Start: 41844, Stop: 43220, Start Num: 46
Candidate Starts for FluffyNinja_50:
(Start: 46 @41844 has 280 MA's), (54, 41895), (58, 41928), (78, 42057), (79, 42060), (81, 42075), (95, 42171), (97, 42210), (101, 42240), (104, 42276), (118, 42387), (120, 42417), (121, 42420), (128, 42486), (145, 42645), (151, 42693), (154, 42711), (163, 42759), (182, 42924), (189, 42984), (204, 43089), (212, 43176),

Gene: ForGetIt_8 Start: 5199, Stop: 6008, Start Num: 92
Candidate Starts for ForGetIt_8:
(Start: 92 @5199 has 49 MA's), (97, 5262), (98, 5271), (101, 5292), (104, 5328), (108, 5376), (114, 5433), (117, 5457), (145, 5688), (154, 5745), (215, 5994),

Gene: Forge_32 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Forge_32:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Fozzie_48 Start: 41728, Stop: 43083, Start Num: 46
Candidate Starts for Fozzie_48:
(Start: 46 @41728 has 280 MA's), (54, 41779), (58, 41812), (78, 41941), (79, 41944), (81, 41959), (95, 42055), (97, 42094), (101, 42124), (104, 42160), (118, 42271), (120, 42301), (121, 42304), (128, 42370), (145, 42529), (151, 42577), (154, 42595), (163, 42643), (182, 42787), (189, 42847), (204, 42952), (212, 43039),

Gene: Frankicide_49 Start: 41730, Stop: 43085, Start Num: 46
Candidate Starts for Frankicide_49:
(Start: 46 @41730 has 280 MA's), (54, 41781), (58, 41814), (78, 41943), (79, 41946), (81, 41961), (95, 42057), (97, 42096), (101, 42126), (104, 42162), (118, 42273), (120, 42303), (121, 42306), (128, 42372), (145, 42531), (151, 42579), (154, 42597), (163, 42645), (182, 42789), (189, 42849), (204, 42954), (212, 43041),

Gene: FremontTroll_49 Start: 41466, Stop: 42821, Start Num: 46
Candidate Starts for FremontTroll_49:
(Start: 46 @41466 has 280 MA's), (54, 41517), (58, 41550), (78, 41679), (79, 41682), (81, 41697), (95, 41793), (97, 41832), (101, 41862), (104, 41898), (118, 42009), (120, 42039), (121, 42042), (128, 42108), (145, 42267), (151, 42315), (154, 42333), (163, 42381), (182, 42525), (189, 42585), (204, 42690), (212, 42777),

Gene: Freya_48 Start: 41391, Stop: 42746, Start Num: 46
Candidate Starts for Freya_48:
(Start: 46 @41391 has 280 MA's), (54, 41442), (58, 41475), (78, 41604), (79, 41607), (81, 41622), (95, 41718), (97, 41757), (101, 41787), (104, 41823), (118, 41934), (120, 41964), (121, 41967), (128,

42033), (145, 42192), (151, 42240), (154, 42258), (163, 42306), (182, 42450), (189, 42510), (204, 42615), (212, 42702),

Gene: FriarPreacher_48 Start: 41742, Stop: 43097, Start Num: 46
Candidate Starts for FriarPreacher_48:
(Start: 46 @41742 has 280 MA's), (54, 41793), (58, 41826), (78, 41955), (79, 41958), (81, 41973), (95, 42069), (97, 42108), (101, 42138), (104, 42174), (118, 42285), (120, 42315), (121, 42318), (128, 42384), (145, 42543), (151, 42591), (154, 42609), (163, 42657), (182, 42801), (189, 42861), (204, 42966), (212, 43053),

Gene: Fringe_50 Start: 41827, Stop: 43182, Start Num: 46
Candidate Starts for Fringe_50:
(Start: 46 @41827 has 280 MA's), (54, 41878), (58, 41911), (78, 42040), (79, 42043), (81, 42058), (95, 42154), (97, 42193), (101, 42223), (104, 42259), (118, 42370), (120, 42400), (121, 42403), (128, 42469), (145, 42628), (151, 42676), (154, 42694), (163, 42742), (182, 42886), (189, 42946), (204, 43051), (212, 43138),

Gene: Frosty24_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Frosty24_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: FugateOSU_48 Start: 41405, Stop: 42760, Start Num: 46
Candidate Starts for FugateOSU_48:
(Start: 46 @41405 has 280 MA's), (54, 41456), (58, 41489), (78, 41618), (79, 41621), (81, 41636), (95, 41732), (97, 41771), (101, 41801), (104, 41837), (118, 41948), (120, 41978), (121, 41981), (128, 42047), (145, 42206), (151, 42254), (154, 42272), (163, 42320), (182, 42464), (189, 42524), (204, 42629), (212, 42716),

Gene: GaloreK_27 Start: 24048, Stop: 25214, Start Num: 55
Candidate Starts for GaloreK_27:
(Start: 55 @24048 has 53 MA's), (64, 24102), (65, 24105), (78, 24192), (87, 24240), (95, 24312), (96, 24333), (104, 24417), (108, 24456), (118, 24522), (120, 24552), (126, 24573), (128, 24618), (138, 24714), (144, 24753), (145, 24768), (151, 24807), (169, 24894), (173, 24912), (175, 24918), (183, 24966), (189, 24987), (201, 25059), (208, 25134),

Gene: Gancho_32 Start: 28062, Stop: 29297, Start Num: 48
Candidate Starts for Gancho_32:
(Start: 48 @28062 has 22 MA's), (60, 28155), (62, 28167), (64, 28188), (67, 28200), (70, 28212), (71, 28215), (79, 28278), (82, 28296), (87, 28329), (95, 28389), (97, 28428), (98, 28437), (99, 28440), (101, 28458), (104, 28494), (108, 28542), (109, 28554), (110, 28560), (117, 28623), (118, 28626), (123, 28665), (134, 28767), (145, 28854), (151, 28893), (155, 28914), (158, 28929), (170, 28983), (180, 29013), (183, 29046), (185, 29055), (187, 29061), (191, 29073), (193, 29082), (202, 29145), (208, 29214), (211, 29241),

Gene: Gareth_48 Start: 41399, Stop: 42754, Start Num: 46
Candidate Starts for Gareth_48:
(Start: 46 @41399 has 280 MA's), (54, 41450), (58, 41483), (78, 41612), (79, 41615), (81, 41630), (95, 41726), (97, 41765), (101, 41795), (104, 41831), (118, 41942), (120, 41972), (121, 41975), (128, 42041), (145, 42200), (151, 42248), (154, 42266), (163, 42314), (182, 42458), (189, 42518), (204, 42623), (212, 42710),

Gene: Gavriela_27 Start: 24311, Stop: 25477, Start Num: 55
Candidate Starts for Gavriela_27:
(15, 23558), (23, 23729), (30, 23825), (34, 23930), (Start: 55 @24311 has 53 MA's), (57, 24320), (64, 24365), (65, 24368), (78, 24455), (86, 24500), (95, 24575), (96, 24596), (97, 24614), (104, 24680), (108, 24719), (118, 24785), (120, 24815), (126, 24836), (128, 24881), (138, 24977), (144, 25016), (145, 25031), (151, 25070), (169, 25157), (173, 25175), (175, 25181), (183, 25229), (201, 25322), (208, 25397),

Gene: GeneCoco_49 Start: 41714, Stop: 43069, Start Num: 46
Candidate Starts for GeneCoco_49:
(Start: 46 @41714 has 280 MA's), (54, 41765), (58, 41798), (78, 41927), (79, 41930), (81, 41945), (95, 42041), (97, 42080), (101, 42110), (104, 42146), (118, 42257), (120, 42287), (121, 42290), (128, 42356), (145, 42515), (151, 42563), (154, 42581), (163, 42629), (182, 42773), (189, 42833), (204, 42938), (212, 43025),

Gene: George_7 Start: 5355, Stop: 6164, Start Num: 92
Candidate Starts for George_7:
(Start: 92 @5355 has 49 MA's), (97, 5418), (98, 5427), (104, 5484), (108, 5532), (117, 5613), (139, 5802), (145, 5844), (154, 5901), (162, 5943), (215, 6150),

Gene: Ghoulboy_8 Start: 5432, Stop: 6241, Start Num: 92
Candidate Starts for Ghoulboy_8:
(Start: 92 @5432 has 49 MA's), (97, 5495), (98, 5504), (104, 5561), (108, 5609), (114, 5666), (117, 5690), (139, 5879), (145, 5921), (154, 5978), (215, 6227),

Gene: Gideon_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Gideon_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Giles_32 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Giles_32:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Giraffe_49 Start: 41423, Stop: 42778, Start Num: 46
Candidate Starts for Giraffe_49:
(Start: 46 @41423 has 280 MA's), (54, 41474), (58, 41507), (61, 41525), (78, 41636), (79, 41639), (81, 41654), (95, 41750), (97, 41789), (101, 41819), (104, 41855), (118, 41966), (120, 41996), (121, 41999), (128, 42065), (145, 42224), (151, 42272), (154, 42290), (163, 42338), (182, 42482), (189, 42542), (204, 42647), (212, 42734),

Gene: Glaske_27 Start: 24311, Stop: 25477, Start Num: 55
Candidate Starts for Glaske_27:
(15, 23558), (23, 23729), (30, 23825), (34, 23930), (Start: 55 @24311 has 53 MA's), (57, 24320), (64, 24365), (65, 24368), (78, 24455), (86, 24500), (95, 24575), (96, 24596), (97, 24614), (104, 24680), (108, 24719), (118, 24785), (120, 24815), (126, 24836), (128, 24881), (138, 24977), (144, 25016),

(145, 25031), (151, 25070), (169, 25157), (173, 25175), (175, 25181), (183, 25229), (201, 25322), (208, 25397),

Gene: GoldenAsh_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for GoldenAsh_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (100, 25567), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Gomashi_28 Start: 25202, Stop: 26410, Start Num: 50
Candidate Starts for Gomashi_28:
(41, 25109), (Start: 50 @25202 has 69 MA's), (76, 25376), (85, 25448), (97, 25547), (98, 25556), (102, 25580), (103, 25589), (104, 25613), (106, 25634), (108, 25661), (109, 25673), (118, 25745), (123, 25784), (145, 25973), (148, 25997), (151, 26012), (155, 26033), (163, 26078), (164, 26081), (180, 26132),

Gene: Gophee_49 Start: 41697, Stop: 43052, Start Num: 46
Candidate Starts for Gophee_49:
(Start: 46 @41697 has 280 MA's), (54, 41748), (58, 41781), (78, 41910), (79, 41913), (81, 41928), (95, 42024), (97, 42063), (101, 42093), (104, 42129), (118, 42240), (120, 42270), (121, 42273), (128, 42339), (145, 42498), (151, 42546), (154, 42564), (163, 42612), (182, 42756), (189, 42816), (204, 42921), (212, 43008),

Gene: Grand2040_48 Start: 41417, Stop: 42772, Start Num: 46
Candidate Starts for Grand2040_48:
(Start: 46 @41417 has 280 MA's), (54, 41468), (58, 41501), (78, 41630), (79, 41633), (81, 41648), (95, 41744), (97, 41783), (101, 41813), (104, 41849), (118, 41960), (120, 41990), (121, 41993), (128, 42059), (145, 42218), (151, 42266), (154, 42284), (163, 42332), (182, 42476), (189, 42536), (204, 42641), (212, 42728),

Gene: Gravaillia_32 Start: 28068, Stop: 29303, Start Num: 48
Candidate Starts for Gravaillia_32:
(Start: 48 @28068 has 22 MA's), (62, 28173), (64, 28194), (67, 28206), (70, 28218), (71, 28221), (79, 28284), (82, 28302), (87, 28335), (95, 28395), (97, 28434), (98, 28443), (99, 28446), (101, 28464), (104, 28500), (108, 28548), (109, 28560), (110, 28566), (117, 28629), (118, 28632), (119, 28659), (123, 28671), (129, 28728), (145, 28860), (146, 28872), (151, 28899), (155, 28920), (158, 28935), (170, 28989), (180, 29019), (183, 29052), (185, 29061), (191, 29079), (193, 29088), (195, 29097), (202, 29151), (208, 29220), (210, 29241), (211, 29247),

Gene: GreaseLightnin_27 Start: 24303, Stop: 25469, Start Num: 55
Candidate Starts for GreaseLightnin_27:
(14, 23460), (15, 23550), (23, 23721), (30, 23817), (34, 23922), (Start: 55 @24303 has 53 MA's), (57, 24312), (64, 24357), (65, 24360), (78, 24447), (86, 24492), (95, 24567), (96, 24588), (97, 24606), (104, 24672), (108, 24711), (118, 24777), (120, 24807), (126, 24828), (128, 24873), (138, 24969), (144, 25008), (145, 25023), (151, 25062), (169, 25149), (173, 25167), (175, 25173), (183, 25221), (201, 25314), (208, 25389),

Gene: GreenChile_50 Start: 41702, Stop: 43057, Start Num: 46
Candidate Starts for GreenChile_50:
(Start: 46 @41702 has 280 MA's), (54, 41753), (58, 41786), (61, 41804), (78, 41915), (79, 41918), (81, 41933), (95, 42029), (97, 42068), (101, 42098), (104, 42134), (118, 42245), (120, 42275), (121, 42278), (128, 42344), (145, 42503), (151, 42551), (154, 42569), (163, 42617), (182, 42761), (189,

42821), (204, 42926), (212, 43013),

Gene: Grizzly_28 Start: 25205, Stop: 26413, Start Num: 50
Candidate Starts for Grizzly_28:
(41, 25112), (Start: 50 @25205 has 69 MA's), (76, 25379), (85, 25451), (95, 25511), (97, 25550), (98, 25559), (102, 25583), (103, 25592), (104, 25616), (106, 25637), (108, 25664), (109, 25676), (118, 25748), (123, 25787), (145, 25976), (151, 26015), (155, 26036), (162, 26075), (163, 26081),

Gene: Groundhog_7 Start: 4839, Stop: 5648, Start Num: 92
Candidate Starts for Groundhog_7:
(Start: 92 @4839 has 49 MA's), (100, 4923), (104, 4968), (109, 5028), (116, 5094), (145, 5328), (151, 5367), (154, 5385), (160, 5418), (164, 5436), (196, 5481), (203, 5505), (215, 5634),

Gene: Gwennie1_49 Start: 41763, Stop: 43118, Start Num: 46
Candidate Starts for Gwennie1_49:
(Start: 46 @41763 has 280 MA's), (54, 41814), (58, 41847), (78, 41976), (79, 41979), (81, 41994), (95, 42090), (97, 42129), (101, 42159), (104, 42195), (118, 42306), (120, 42336), (121, 42339), (128, 42405), (145, 42564), (151, 42612), (154, 42630), (163, 42678), (182, 42822), (189, 42882), (204, 42987), (212, 43074),

Gene: Gwilliam_49 Start: 41703, Stop: 43058, Start Num: 46
Candidate Starts for Gwilliam_49:
(Start: 46 @41703 has 280 MA's), (54, 41754), (58, 41787), (61, 41805), (78, 41916), (79, 41919), (81, 41934), (95, 42030), (97, 42069), (101, 42099), (104, 42135), (118, 42246), (120, 42276), (121, 42279), (128, 42345), (145, 42504), (151, 42552), (154, 42570), (163, 42618), (182, 42762), (189, 42822), (204, 42927), (208, 42981), (212, 43014),

Gene: Gyarad_0049 Start: 41717, Stop: 43072, Start Num: 46
Candidate Starts for Gyarad_0049:
(Start: 46 @41717 has 280 MA's), (54, 41768), (58, 41801), (78, 41930), (79, 41933), (81, 41948), (95, 42044), (97, 42083), (101, 42113), (104, 42149), (118, 42260), (120, 42290), (121, 42293), (128, 42359), (145, 42518), (151, 42566), (154, 42584), (163, 42632), (182, 42776), (189, 42836), (204, 42941), (212, 43028),

Gene: HC_28 Start: 24164, Stop: 25342, Start Num: 55
Candidate Starts for HC_28:
(Start: 55 @24164 has 53 MA's), (63, 24206), (78, 24311), (86, 24365), (95, 24440), (96, 24461), (104, 24545), (108, 24584), (118, 24650), (120, 24680), (126, 24701), (128, 24746), (138, 24842), (144, 24881), (145, 24896), (151, 24935), (169, 25022), (173, 25040), (175, 25046), (183, 25094), (189, 25115), (201, 25187), (208, 25262), (214, 25304), (215, 25325), (216, 25331),

Gene: HH92_32 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for HH92_32:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: HSavage_49 Start: 41709, Stop: 43064, Start Num: 46
Candidate Starts for HSavage_49:
(Start: 46 @41709 has 280 MA's), (54, 41760), (58, 41793), (61, 41811), (78, 41922), (79, 41925), (81, 41940), (95, 42036), (97, 42075), (101, 42105), (104, 42141), (118, 42252), (120, 42282), (121,

42285), (128, 42351), (145, 42510), (151, 42558), (154, 42576), (163, 42624), (182, 42768), (189, 42828), (204, 42933), (208, 42987), (212, 43020),

Gene: HUHilltop_27 Start: 24052, Stop: 25218, Start Num: 55
Candidate Starts for HUHilltop_27:
(Start: 55 @24052 has 53 MA's), (65, 24109), (78, 24196), (86, 24241), (95, 24316), (96, 24337), (104, 24421), (108, 24460), (118, 24526), (120, 24556), (126, 24577), (128, 24622), (138, 24718), (144, 24757), (145, 24772), (146, 24784), (151, 24811), (169, 24898), (173, 24916), (175, 24922), (183, 24970), (189, 24991), (201, 25063), (208, 25138),

Gene: Hadrien_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Hadrien_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Hail_32 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Hail_32:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Haimas_49 Start: 41703, Stop: 43058, Start Num: 46
Candidate Starts for Haimas_49:
(Start: 46 @41703 has 280 MA's), (54, 41754), (58, 41787), (79, 41919), (81, 41934), (95, 42030), (97, 42069), (101, 42099), (104, 42135), (118, 42246), (120, 42276), (121, 42279), (128, 42345), (145, 42504), (151, 42552), (154, 42570), (163, 42618), (182, 42762), (189, 42822), (204, 42927), (212, 43014),

Gene: Haleema_48 Start: 41417, Stop: 42772, Start Num: 46
Candidate Starts for Haleema_48:
(Start: 46 @41417 has 280 MA's), (54, 41468), (58, 41501), (78, 41630), (79, 41633), (81, 41648), (95, 41744), (97, 41783), (101, 41813), (104, 41849), (118, 41960), (120, 41990), (121, 41993), (128, 42059), (145, 42218), (151, 42266), (154, 42284), (163, 42332), (182, 42476), (189, 42536), (204, 42641), (212, 42728),

Gene: Halo_28 Start: 25196, Stop: 26404, Start Num: 50
Candidate Starts for Halo_28:
(41, 25103), (Start: 50 @25196 has 69 MA's), (76, 25370), (85, 25442), (97, 25541), (98, 25550), (100, 25562), (102, 25574), (103, 25583), (104, 25607), (106, 25628), (108, 25655), (109, 25667), (118, 25739), (123, 25778), (145, 25967), (148, 25991), (151, 26006), (155, 26027), (163, 26072), (164, 26075), (180, 26126),

Gene: Hamish_49 Start: 41695, Stop: 43050, Start Num: 46
Candidate Starts for Hamish_49:
(Start: 46 @41695 has 280 MA's), (54, 41746), (58, 41779), (79, 41911), (81, 41926), (95, 42022), (97, 42061), (101, 42091), (104, 42127), (118, 42238), (120, 42268), (121, 42271), (128, 42337), (145, 42496), (151, 42544), (154, 42562), (163, 42610), (182, 42754), (189, 42814), (204, 42919), (212, 43006),

Gene: Happabalu_49 Start: 41424, Stop: 42779, Start Num: 46
Candidate Starts for Happabalu_49:
(Start: 46 @41424 has 280 MA's), (54, 41475), (58, 41508), (79, 41640), (81, 41655), (95, 41751), (97, 41790), (101, 41820), (104, 41856), (118, 41967), (120, 41997), (121, 42000), (128, 42066), (145, 42225), (151, 42273), (154, 42291), (163, 42339), (182, 42483), (189, 42543), (204, 42648), (208, 42702), (212, 42735),

Gene: Hartsy_49 Start: 41746, Stop: 43101, Start Num: 46
Candidate Starts for Hartsy_49:
(Start: 46 @41746 has 280 MA's), (54, 41797), (58, 41830), (78, 41959), (79, 41962), (81, 41977), (95, 42073), (97, 42112), (101, 42142), (104, 42178), (118, 42289), (120, 42319), (121, 42322), (128, 42388), (145, 42547), (151, 42595), (154, 42613), (163, 42661), (182, 42805), (189, 42865), (204, 42970), (212, 43057),

Gene: Harvey_49 Start: 41733, Stop: 43088, Start Num: 46
Candidate Starts for Harvey_49:
(Start: 46 @41733 has 280 MA's), (54, 41784), (58, 41817), (78, 41946), (79, 41949), (81, 41964), (95, 42060), (97, 42099), (101, 42129), (104, 42165), (113, 42240), (118, 42276), (120, 42306), (121, 42309), (128, 42375), (145, 42534), (151, 42582), (154, 42600), (163, 42648), (182, 42792), (189, 42852), (204, 42957), (212, 43044),

Gene: Hekos_46 Start: 40272, Stop: 41627, Start Num: 46
Candidate Starts for Hekos_46:
(Start: 46 @40272 has 280 MA's), (54, 40323), (58, 40356), (78, 40485), (79, 40488), (81, 40503), (95, 40599), (97, 40638), (101, 40668), (104, 40704), (118, 40815), (120, 40845), (121, 40848), (128, 40914), (145, 41073), (151, 41121), (154, 41139), (163, 41187), (182, 41331), (189, 41391), (204, 41496), (212, 41583),

Gene: Held_49 Start: 41422, Stop: 42777, Start Num: 46
Candidate Starts for Held_49:
(Start: 46 @41422 has 280 MA's), (54, 41473), (58, 41506), (78, 41635), (79, 41638), (81, 41653), (95, 41749), (97, 41788), (101, 41818), (104, 41854), (118, 41965), (120, 41995), (121, 41998), (128, 42064), (145, 42223), (151, 42271), (154, 42289), (163, 42337), (182, 42481), (189, 42541), (204, 42646), (212, 42733),

Gene: HenryJackson_48 Start: 41417, Stop: 42772, Start Num: 46
Candidate Starts for HenryJackson_48:
(Start: 46 @41417 has 280 MA's), (54, 41468), (58, 41501), (78, 41630), (79, 41633), (81, 41648), (95, 41744), (97, 41783), (101, 41813), (104, 41849), (118, 41960), (120, 41990), (121, 41993), (128, 42059), (145, 42218), (151, 42266), (154, 42284), (163, 42332), (182, 42476), (189, 42536), (204, 42641), (212, 42728),

Gene: Hertubise_49 Start: 41717, Stop: 43072, Start Num: 46
Candidate Starts for Hertubise_49:
(Start: 46 @41717 has 280 MA's), (54, 41768), (58, 41801), (78, 41930), (79, 41933), (81, 41948), (95, 42044), (97, 42083), (101, 42113), (104, 42149), (118, 42260), (120, 42290), (121, 42293), (128, 42359), (145, 42518), (151, 42566), (154, 42584), (163, 42632), (182, 42776), (189, 42836), (204, 42941), (208, 42995), (212, 43028),

Gene: Hetaeria_49 Start: 41734, Stop: 43089, Start Num: 46
Candidate Starts for Hetaeria_49:

(Start: 46 @41734 has 280 MA's), (54, 41785), (58, 41818), (78, 41947), (79, 41950), (81, 41965), (95, 42061), (97, 42100), (101, 42130), (104, 42166), (118, 42277), (120, 42307), (121, 42310), (128, 42376), (145, 42535), (151, 42583), (154, 42601), (163, 42649), (182, 42793), (189, 42853), (204, 42958), (212, 43045),

Gene: HighStump_49 Start: 41544, Stop: 42899, Start Num: 46
Candidate Starts for HighStump_49:
(Start: 46 @41544 has 280 MA's), (54, 41595), (58, 41628), (78, 41757), (79, 41760), (81, 41775), (95, 41871), (97, 41910), (101, 41940), (104, 41976), (118, 42087), (120, 42117), (121, 42120), (128, 42186), (145, 42345), (151, 42393), (154, 42411), (163, 42459), (182, 42603), (189, 42663), (204, 42768), (212, 42855),

Gene: Hilltopfarm_32 Start: 29119, Stop: 30342, Start Num: 50
Candidate Starts for Hilltopfarm_32:
(Start: 50 @29119 has 69 MA's), (53, 29143), (61, 29215), (64, 29239), (68, 29257), (71, 29266), (76, 29299), (79, 29329), (95, 29434), (97, 29473), (98, 29482), (102, 29506), (104, 29539), (108, 29587), (109, 29599), (118, 29671), (127, 29728), (135, 29815), (145, 29902), (146, 29914), (151, 29941), (154, 29959), (155, 29962), (157, 29971), (180, 30061), (199, 30166), (207, 30253), (208, 30262),

Gene: Hocus_48 Start: 41406, Stop: 42761, Start Num: 46
Candidate Starts for Hocus_48:
(Start: 46 @41406 has 280 MA's), (54, 41457), (58, 41490), (78, 41619), (79, 41622), (81, 41637), (95, 41733), (97, 41772), (101, 41802), (104, 41838), (118, 41949), (120, 41979), (121, 41982), (128, 42048), (145, 42207), (151, 42255), (154, 42273), (163, 42321), (182, 42465), (189, 42525), (204, 42630), (212, 42717),

Gene: HogWash_49 Start: 41715, Stop: 43070, Start Num: 46
Candidate Starts for HogWash_49:
(Start: 46 @41715 has 280 MA's), (54, 41766), (58, 41799), (79, 41931), (81, 41946), (95, 42042), (97, 42081), (101, 42111), (104, 42147), (118, 42258), (120, 42288), (121, 42291), (128, 42357), (145, 42516), (151, 42564), (154, 42582), (163, 42630), (182, 42774), (189, 42834), (204, 42939), (208, 42993), (212, 43026),

Gene: Hope_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Hope_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Horchata_49 Start: 41709, Stop: 43064, Start Num: 46
Candidate Starts for Horchata_49:
(Start: 46 @41709 has 280 MA's), (54, 41760), (58, 41793), (78, 41922), (79, 41925), (81, 41940), (95, 42036), (97, 42075), (101, 42105), (104, 42141), (118, 42252), (120, 42282), (121, 42285), (128, 42351), (145, 42510), (151, 42558), (154, 42576), (163, 42624), (182, 42768), (189, 42828), (204, 42933), (212, 43020),

Gene: Hotshotbaby7_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Hotshotbaby7_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (151, 26011), (155, 26032), (162, 26071), (163, 26077),

Gene: HuhtaEnerson15_8 Start: 5355, Stop: 6164, Start Num: 92
Candidate Starts for HuhtaEnerson15_8:
(Start: 92 @5355 has 49 MA's), (97, 5418), (98, 5427), (104, 5484), (108, 5532), (117, 5613), (139, 5802), (145, 5844), (154, 5901), (162, 5943), (215, 6150),

Gene: IdentityCrisis_26 Start: 21810, Stop: 22982, Start Num: 56
Candidate Starts for IdentityCrisis_26:
(34, 21432), (51, 21741), (Start: 56 @21810 has 3 MA's), (65, 21864), (66, 21867), (78, 21951), (86, 21996), (95, 22071), (96, 22092), (102, 22143), (104, 22176), (108, 22215), (109, 22227), (118, 22281), (126, 22332), (128, 22377), (129, 22392), (138, 22473), (144, 22512), (145, 22527), (146, 22539), (151, 22566), (169, 22653), (173, 22671), (183, 22734), (189, 22755), (195, 22779), (201, 22827), (208, 22902),

Gene: Impisi_27 Start: 22975, Stop: 24141, Start Num: 55
Candidate Starts for Impisi_27:
(Start: 55 @22975 has 53 MA's), (65, 23032), (78, 23119), (86, 23164), (87, 23167), (95, 23239), (96, 23260), (104, 23344), (108, 23383), (118, 23449), (120, 23479), (126, 23500), (128, 23545), (138, 23641), (144, 23680), (145, 23695), (146, 23707), (151, 23734), (169, 23821), (173, 23839), (175, 23845), (186, 23905), (201, 23986), (208, 24061), (214, 24103), (215, 24124), (216, 24130),

Gene: ImtiyazSitla_49 Start: 41392, Stop: 42747, Start Num: 46
Candidate Starts for ImtiyazSitla_49:
(Start: 46 @41392 has 280 MA's), (54, 41443), (58, 41476), (78, 41605), (79, 41608), (81, 41623), (95, 41719), (97, 41758), (101, 41788), (104, 41824), (118, 41935), (120, 41965), (121, 41968), (128, 42034), (145, 42193), (151, 42241), (154, 42259), (163, 42307), (182, 42451), (189, 42511), (204, 42616), (212, 42703),

Gene: Inchworm_50 Start: 41830, Stop: 43185, Start Num: 46
Candidate Starts for Inchworm_50:
(Start: 46 @41830 has 280 MA's), (54, 41881), (58, 41914), (78, 42043), (79, 42046), (81, 42061), (95, 42157), (97, 42196), (101, 42226), (104, 42262), (118, 42373), (120, 42403), (121, 42406), (128, 42472), (145, 42631), (151, 42679), (154, 42697), (163, 42745), (182, 42889), (189, 42949), (204, 43054), (212, 43141),

Gene: Inverness_49 Start: 41718, Stop: 43073, Start Num: 46
Candidate Starts for Inverness_49:
(Start: 46 @41718 has 280 MA's), (54, 41769), (58, 41802), (78, 41931), (79, 41934), (81, 41949), (95, 42045), (97, 42084), (101, 42114), (104, 42150), (118, 42261), (120, 42291), (121, 42294), (128, 42360), (145, 42519), (151, 42567), (154, 42585), (163, 42633), (182, 42777), (189, 42837), (204, 42942), (208, 42996), (212, 43029),

Gene: Iridessa_49 Start: 41402, Stop: 42757, Start Num: 46
Candidate Starts for Iridessa_49:
(Start: 46 @41402 has 280 MA's), (54, 41453), (58, 41486), (78, 41615), (79, 41618), (81, 41633), (95, 41729), (97, 41768), (101, 41798), (104, 41834), (118, 41945), (120, 41975), (121, 41978), (128, 42044), (145, 42203), (151, 42251), (154, 42269), (163, 42317), (182, 42461), (189, 42521), (204, 42626), (212, 42713),

Gene: Iridoclysis_49 Start: 41689, Stop: 43044, Start Num: 46
Candidate Starts for Iridoclysis_49:
(Start: 46 @41689 has 280 MA's), (54, 41740), (58, 41773), (78, 41902), (79, 41905), (81, 41920), (95, 42016), (97, 42055), (101, 42085), (104, 42121), (118, 42232), (120, 42262), (121, 42265), (128, 42331), (145, 42490), (151, 42538), (154, 42556), (163, 42604), (182, 42748), (189, 42808), (204,

42913), (212, 43000),

Gene: IsaacEli_50 Start: 41848, Stop: 43203, Start Num: 46
Candidate Starts for IsaacEli_50:
(Start: 46 @41848 has 280 MA's), (54, 41899), (58, 41932), (78, 42061), (79, 42064), (81, 42079), (95, 42175), (97, 42214), (101, 42244), (104, 42280), (118, 42391), (120, 42421), (121, 42424), (128, 42490), (145, 42649), (151, 42697), (154, 42715), (163, 42763), (182, 42907), (189, 42967), (204, 43072), (212, 43159),

Gene: Island3_30 Start: 26243, Stop: 27409, Start Num: 55
Candidate Starts for Island3_30:
(27, 25709), (30, 25757), (34, 25862), (Start: 55 @26243 has 53 MA's), (57, 26252), (64, 26297), (65, 26300), (78, 26387), (86, 26432), (95, 26507), (96, 26528), (97, 26546), (104, 26612), (108, 26651), (109, 26663), (118, 26717), (120, 26747), (126, 26768), (128, 26813), (138, 26909), (144, 26948), (145, 26963), (146, 26975), (151, 27002), (169, 27089), (173, 27107), (175, 27113), (183, 27161), (195, 27206), (201, 27254), (208, 27329),

Gene: JDog_48 Start: 41426, Stop: 42781, Start Num: 46
Candidate Starts for JDog_48:
(Start: 46 @41426 has 280 MA's), (54, 41477), (58, 41510), (79, 41642), (81, 41657), (95, 41753), (97, 41792), (101, 41822), (104, 41858), (118, 41969), (120, 41999), (121, 42002), (128, 42068), (145, 42227), (151, 42275), (154, 42293), (163, 42341), (182, 42485), (189, 42545), (204, 42650), (208, 42704), (212, 42737),

Gene: Jabiru_8 Start: 5180, Stop: 5989, Start Num: 92
Candidate Starts for Jabiru_8:
(Start: 92 @5180 has 49 MA's), (96, 5225), (104, 5309), (105, 5324), (108, 5357), (139, 5627), (145, 5669), (151, 5708), (154, 5726), (159, 5756), (171, 5798),

Gene: JacAttac_50 Start: 41830, Stop: 43185, Start Num: 46
Candidate Starts for JacAttac_50:
(Start: 46 @41830 has 280 MA's), (54, 41881), (58, 41914), (78, 42043), (79, 42046), (81, 42061), (95, 42157), (97, 42196), (101, 42226), (104, 42262), (118, 42373), (120, 42403), (121, 42406), (128, 42472), (145, 42631), (151, 42679), (154, 42697), (163, 42745), (182, 42889), (189, 42949), (204, 43054), (212, 43141),

Gene: JakeO_48 Start: 41425, Stop: 42780, Start Num: 46
Candidate Starts for JakeO_48:
(Start: 46 @41425 has 280 MA's), (54, 41476), (58, 41509), (61, 41527), (78, 41638), (79, 41641), (81, 41656), (95, 41752), (97, 41791), (101, 41821), (104, 41857), (118, 41968), (120, 41998), (121, 42001), (128, 42067), (145, 42226), (151, 42274), (154, 42292), (163, 42340), (182, 42484), (189, 42544), (204, 42649), (212, 42736),

Gene: Jane_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Jane_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: JangoPhett_49 Start: 41700, Stop: 43055, Start Num: 46
Candidate Starts for JangoPhett_49:

(Start: 46 @41700 has 280 MA's), (54, 41751), (58, 41784), (78, 41913), (79, 41916), (81, 41931), (95, 42027), (97, 42066), (101, 42096), (104, 42132), (118, 42243), (120, 42273), (121, 42276), (128, 42342), (145, 42501), (151, 42549), (154, 42567), (163, 42615), (182, 42759), (189, 42819), (204, 42924), (212, 43011),

Gene: Jebeks_27 Start: 24037, Stop: 25203, Start Num: 55
Candidate Starts for Jebeks_27:
(Start: 55 @24037 has 53 MA's), (65, 24094), (78, 24181), (86, 24226), (95, 24301), (96, 24322), (104, 24406), (108, 24445), (118, 24511), (120, 24541), (126, 24562), (128, 24607), (138, 24703), (144, 24742), (145, 24757), (151, 24796), (169, 24883), (173, 24901), (175, 24907), (183, 24955), (189, 24976), (201, 25048), (208, 25123),

Gene: Jeilious_28 Start: 25200, Stop: 26408, Start Num: 50
Candidate Starts for Jeilious_28:
(41, 25107), (Start: 50 @25200 has 69 MA's), (76, 25374), (85, 25446), (97, 25545), (98, 25554), (102, 25578), (103, 25587), (104, 25611), (106, 25632), (108, 25659), (109, 25671), (118, 25743), (123, 25782), (145, 25971), (148, 25995), (151, 26010), (155, 26031), (163, 26076), (164, 26079), (180, 26130),

Gene: Jesabah_49 Start: 41428, Stop: 42783, Start Num: 46
Candidate Starts for Jesabah_49:
(Start: 46 @41428 has 280 MA's), (54, 41479), (58, 41512), (78, 41641), (79, 41644), (81, 41659), (95, 41755), (97, 41794), (101, 41824), (104, 41860), (118, 41971), (120, 42001), (121, 42004), (128, 42070), (145, 42229), (151, 42277), (154, 42295), (163, 42343), (182, 42487), (189, 42547), (204, 42652), (212, 42739),

Gene: Jillium_48 Start: 41419, Stop: 42774, Start Num: 46
Candidate Starts for Jillium_48:
(Start: 46 @41419 has 280 MA's), (54, 41470), (58, 41503), (78, 41632), (79, 41635), (81, 41650), (95, 41746), (97, 41785), (101, 41815), (104, 41851), (118, 41962), (120, 41992), (121, 41995), (128, 42061), (145, 42220), (151, 42268), (154, 42286), (163, 42334), (182, 42478), (189, 42538), (204, 42643), (212, 42730),

Gene: Jiminy_48 Start: 41260, Stop: 42615, Start Num: 46
Candidate Starts for Jiminy_48:
(Start: 46 @41260 has 280 MA's), (54, 41311), (58, 41344), (78, 41473), (79, 41476), (81, 41491), (95, 41587), (97, 41626), (101, 41656), (104, 41692), (118, 41803), (120, 41833), (121, 41836), (128, 41902), (145, 42061), (151, 42109), (154, 42127), (163, 42175), (182, 42319), (189, 42379), (204, 42484), (212, 42571),

Gene: Jiraiya_48 Start: 41413, Stop: 42768, Start Num: 46
Candidate Starts for Jiraiya_48:
(Start: 46 @41413 has 280 MA's), (54, 41464), (58, 41497), (78, 41626), (79, 41629), (81, 41644), (95, 41740), (97, 41779), (101, 41809), (104, 41845), (118, 41956), (120, 41986), (121, 41989), (128, 42055), (145, 42214), (151, 42262), (154, 42280), (163, 42328), (182, 42472), (189, 42532), (204, 42637), (212, 42724),

Gene: Jolene_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Jolene_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (151, 26011), (155, 26032), (162, 26071), (163, 26077),

Gene: Jolie2_28 Start: 25718, Stop: 26938, Start Num: 50
Candidate Starts for Jolie2_28:
(42, 25637), (43, 25673), (44, 25679), (Start: 50 @25718 has 69 MA's), (79, 25922), (85, 25964), (97, 26072), (102, 26105), (104, 26138), (108, 26186), (118, 26270), (133, 26408), (145, 26498), (148, 26522), (151, 26537), (153, 26546), (155, 26558), (159, 26585), (162, 26597), (163, 26603), (164, 26606), (191, 26717), (202, 26798), (212, 26897), (213, 26900),

Gene: Jonghyun_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Jonghyun_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (151, 26011), (155, 26032), (162, 26071), (163, 26077),

Gene: JorRay_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for JorRay_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Journey13_9 Start: 5628, Stop: 6563, Start Num: 93
Candidate Starts for Journey13_9:
(Start: 93 @5628 has 3 MA's), (102, 5721), (104, 5754), (107, 5796), (108, 5802), (116, 5880), (117, 5883), (139, 6072), (145, 6114), (151, 6153), (154, 6171), (162, 6213), (164, 6222), (180, 6273), (192, 6336), (201, 6405), (208, 6486), (215, 6549),

Gene: Jovo_8 Start: 5464, Stop: 6273, Start Num: 92
Candidate Starts for Jovo_8:
(Start: 92 @5464 has 49 MA's), (97, 5527), (98, 5536), (101, 5557), (104, 5593), (108, 5641), (114, 5698), (117, 5722), (139, 5911), (145, 5953), (154, 6010), (215, 6259),

Gene: Jung_26 Start: 24014, Stop: 25180, Start Num: 55
Candidate Starts for Jung_26:
(Start: 55 @24014 has 53 MA's), (57, 24023), (64, 24068), (65, 24071), (78, 24158), (86, 24203), (90, 24236), (95, 24278), (96, 24299), (104, 24383), (108, 24422), (118, 24488), (120, 24518), (126, 24539), (128, 24584), (138, 24680), (144, 24719), (145, 24734), (146, 24746), (151, 24773), (169, 24860), (173, 24878), (175, 24884), (183, 24932), (201, 25025), (208, 25100),

Gene: Juniormint_27 Start: 24090, Stop: 25256, Start Num: 55
Candidate Starts for Juniormint_27:
(15, 23337), (30, 23604), (34, 23709), (Start: 55 @24090 has 53 MA's), (57, 24099), (64, 24144), (65, 24147), (78, 24234), (86, 24279), (95, 24354), (96, 24375), (97, 24393), (104, 24459), (108, 24498), (118, 24564), (120, 24594), (126, 24615), (128, 24660), (138, 24756), (144, 24795), (145, 24810), (151, 24849), (169, 24936), (173, 24954), (175, 24960), (183, 25008), (201, 25101), (208, 25176),

Gene: JustASigh_26 Start: 26068, Stop: 27300, Start Num: 50
Candidate Starts for JustASigh_26:
(37, 25912), (39, 25930), (40, 25975), (Start: 50 @26068 has 69 MA's), (73, 26224), (76, 26236), (81, 26281), (86, 26314), (95, 26365), (98, 26413), (104, 26470), (105, 26485), (108, 26521), (109, 26533), (119, 26632), (135, 26749), (143, 26830), (145, 26854), (151, 26893), (164, 26962), (166, 26968), (167, 26971), (176, 27004), (184, 27052), (208, 27220), (209, 27232),

Gene: KLucky39_49 Start: 41716, Stop: 43071, Start Num: 46

Candidate Starts for KLucky39_49:
(Start: 46 @41716 has 280 MA's), (54, 41767), (58, 41800), (78, 41929), (79, 41932), (81, 41947), (95, 42043), (97, 42082), (101, 42112), (104, 42148), (118, 42259), (120, 42289), (121, 42292), (128, 42358), (145, 42517), (151, 42565), (154, 42583), (163, 42631), (182, 42775), (189, 42835), (204, 42940), (212, 43027),

Gene: Kahve_48 Start: 41414, Stop: 42769, Start Num: 46
Candidate Starts for Kahve_48:
(Start: 46 @41414 has 280 MA's), (54, 41465), (58, 41498), (69, 41561), (78, 41627), (79, 41630), (81, 41645), (95, 41741), (97, 41780), (101, 41810), (104, 41846), (118, 41957), (120, 41987), (121, 41990), (128, 42056), (145, 42215), (151, 42263), (154, 42281), (163, 42329), (182, 42473), (189, 42533), (204, 42638), (212, 42725),

Gene: Kailash_49 Start: 41776, Stop: 43131, Start Num: 46
Candidate Starts for Kailash_49:
(Start: 46 @41776 has 280 MA's), (54, 41827), (58, 41860), (78, 41989), (79, 41992), (81, 42007), (95, 42103), (97, 42142), (101, 42172), (104, 42208), (118, 42319), (120, 42349), (121, 42352), (128, 42418), (145, 42577), (151, 42625), (154, 42643), (163, 42691), (182, 42835), (189, 42895), (204, 43000), (212, 43087),

Gene: Kareem_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Kareem_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Kari_27 Start: 24049, Stop: 25215, Start Num: 55
Candidate Starts for Kari_27:
(Start: 55 @24049 has 53 MA's), (65, 24106), (78, 24193), (86, 24238), (95, 24313), (96, 24334), (104, 24418), (108, 24457), (118, 24523), (120, 24553), (126, 24574), (128, 24619), (138, 24715), (144, 24754), (145, 24769), (146, 24781), (151, 24808), (169, 24895), (173, 24913), (175, 24919), (183, 24967), (189, 24988), (201, 25060), (208, 25135),

Gene: Karn_48 Start: 41420, Stop: 42775, Start Num: 46
Candidate Starts for Karn_48:
(Start: 46 @41420 has 280 MA's), (54, 41471), (58, 41504), (78, 41633), (79, 41636), (81, 41651), (95, 41747), (97, 41786), (101, 41816), (104, 41852), (118, 41963), (120, 41993), (121, 41996), (128, 42062), (145, 42221), (151, 42269), (154, 42287), (163, 42335), (182, 42479), (189, 42539), (204, 42644), (212, 42731),

Gene: Kasen3_28 Start: 25202, Stop: 26410, Start Num: 50
Candidate Starts for Kasen3_28:
(41, 25109), (Start: 50 @25202 has 69 MA's), (76, 25376), (85, 25448), (97, 25547), (98, 25556), (100, 25568), (102, 25580), (103, 25589), (104, 25613), (106, 25634), (108, 25661), (109, 25673), (118, 25745), (123, 25784), (145, 25973), (148, 25997), (151, 26012), (155, 26033), (163, 26078), (164, 26081), (180, 26132),

Gene: Katniss_50 Start: 41857, Stop: 43212, Start Num: 46
Candidate Starts for Katniss_50:
(Start: 46 @41857 has 280 MA's), (54, 41908), (58, 41941), (78, 42070), (79, 42073), (81, 42088), (95, 42184), (97, 42223), (101, 42253), (104, 42289), (118, 42400), (120, 42430), (121, 42433), (128, 42499), (145, 42658), (151, 42706), (154, 42724), (163, 42772), (182, 42916), (189, 42976), (204,

43081), (212, 43168),

Gene: Keitherie_49 Start: 41760, Stop: 43115, Start Num: 46
Candidate Starts for Keitherie_49:
(Start: 46 @41760 has 280 MA's), (54, 41811), (58, 41844), (78, 41973), (79, 41976), (81, 41991), (95, 42087), (97, 42126), (101, 42156), (104, 42192), (118, 42303), (120, 42333), (121, 42336), (128, 42402), (145, 42561), (151, 42609), (154, 42627), (163, 42675), (182, 42819), (189, 42879), (204, 42984), (212, 43071),

Gene: Kevin1_27 Start: 22755, Stop: 23915, Start Num: 55
Candidate Starts for Kevin1_27:
(10, 21801), (15, 21996), (27, 22230), (34, 22383), (Start: 55 @22755 has 53 MA's), (65, 22812), (78, 22899), (95, 23019), (108, 23163), (109, 23175), (118, 23229), (119, 23256), (120, 23259), (126, 23280), (128, 23325), (136, 23388), (145, 23475), (146, 23487), (151, 23514), (155, 23535), (164, 23583), (169, 23601), (185, 23679), (190, 23694), (201, 23760),

Gene: Khan1_49 Start: 41435, Stop: 42790, Start Num: 46
Candidate Starts for Khan1_49:
(Start: 46 @41435 has 280 MA's), (54, 41486), (58, 41519), (78, 41648), (79, 41651), (81, 41666), (95, 41762), (97, 41801), (101, 41831), (104, 41867), (118, 41978), (120, 42008), (121, 42011), (128, 42077), (145, 42236), (151, 42284), (154, 42302), (163, 42350), (182, 42494), (189, 42554), (204, 42659), (212, 42746),

Gene: Kikipoo_50 Start: 41848, Stop: 43203, Start Num: 46
Candidate Starts for Kikipoo_50:
(Start: 46 @41848 has 280 MA's), (54, 41899), (58, 41932), (78, 42061), (79, 42064), (81, 42079), (95, 42175), (97, 42214), (101, 42244), (104, 42280), (118, 42391), (120, 42421), (121, 42424), (128, 42490), (145, 42649), (151, 42697), (154, 42715), (163, 42763), (182, 42907), (189, 42967), (204, 43072), (212, 43159),

Gene: KilKor_27 Start: 24311, Stop: 25477, Start Num: 55
Candidate Starts for KilKor_27:
(15, 23558), (23, 23729), (30, 23825), (34, 23930), (Start: 55 @24311 has 53 MA's), (57, 24320), (64, 24365), (65, 24368), (78, 24455), (86, 24500), (95, 24575), (96, 24596), (97, 24614), (104, 24680), (108, 24719), (118, 24785), (120, 24815), (126, 24836), (128, 24881), (138, 24977), (144, 25016), (145, 25031), (151, 25070), (169, 25157), (173, 25175), (175, 25181), (183, 25229), (201, 25322), (208, 25397),

Gene: Kimbrough_49 Start: 41421, Stop: 42776, Start Num: 46
Candidate Starts for Kimbrough_49:
(Start: 46 @41421 has 280 MA's), (54, 41472), (58, 41505), (61, 41523), (78, 41634), (79, 41637), (81, 41652), (95, 41748), (97, 41787), (101, 41817), (104, 41853), (118, 41964), (120, 41994), (121, 41997), (128, 42063), (145, 42222), (151, 42270), (154, 42288), (163, 42336), (182, 42480), (189, 42540), (204, 42645), (212, 42732),

Gene: Kinbote_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Kinbote_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: KingTut_40 Start: 37084, Stop: 38439, Start Num: 46
Candidate Starts for KingTut_40:
(Start: 46 @37084 has 280 MA's), (54, 37135), (58, 37168), (78, 37297), (79, 37300), (81, 37315), (95, 37411), (97, 37450), (101, 37480), (104, 37516), (118, 37627), (120, 37657), (121, 37660), (128, 37726), (145, 37885), (151, 37933), (154, 37951), (163, 37999), (182, 38143), (189, 38203), (204, 38308), (212, 38395),

Gene: KingVeVeVe_49 Start: 41692, Stop: 43047, Start Num: 46
Candidate Starts for KingVeVeVe_49:
(Start: 46 @41692 has 280 MA's), (54, 41743), (58, 41776), (61, 41794), (78, 41905), (79, 41908), (81, 41923), (95, 42019), (97, 42058), (101, 42088), (104, 42124), (118, 42235), (120, 42265), (121, 42268), (128, 42334), (145, 42493), (151, 42541), (154, 42559), (163, 42607), (182, 42751), (189, 42811), (204, 42916), (212, 43003),

Gene: KlimbOn_49 Start: 41710, Stop: 43065, Start Num: 46
Candidate Starts for KlimbOn_49:
(Start: 46 @41710 has 280 MA's), (54, 41761), (58, 41794), (61, 41812), (78, 41923), (79, 41926), (81, 41941), (95, 42037), (97, 42076), (101, 42106), (104, 42142), (118, 42253), (120, 42283), (121, 42286), (128, 42352), (145, 42511), (151, 42559), (154, 42577), (163, 42625), (182, 42769), (189, 42829), (204, 42934), (208, 42988), (212, 43021),

Gene: Kloppinator_50 Start: 42123, Stop: 43478, Start Num: 46
Candidate Starts for Kloppinator_50:
(Start: 46 @42123 has 280 MA's), (54, 42174), (58, 42207), (78, 42336), (79, 42339), (81, 42354), (95, 42450), (97, 42489), (101, 42519), (104, 42555), (118, 42666), (120, 42696), (121, 42699), (128, 42765), (145, 42924), (151, 42972), (154, 42990), (163, 43038), (182, 43182), (189, 43242), (204, 43347), (212, 43434),

Gene: Ksquared_27 Start: 24068, Stop: 25234, Start Num: 55
Candidate Starts for Ksquared_27:
(15, 23315), (30, 23582), (34, 23687), (Start: 55 @24068 has 53 MA's), (57, 24077), (64, 24122), (65, 24125), (78, 24212), (86, 24257), (95, 24332), (96, 24353), (97, 24371), (104, 24437), (108, 24476), (118, 24542), (120, 24572), (126, 24593), (128, 24638), (138, 24734), (144, 24773), (145, 24788), (151, 24827), (169, 24914), (173, 24932), (175, 24938), (183, 24986), (201, 25079), (208, 25154),

Gene: Kwadwo_48 Start: 41396, Stop: 42751, Start Num: 46
Candidate Starts for Kwadwo_48:
(Start: 46 @41396 has 280 MA's), (54, 41447), (58, 41480), (78, 41609), (79, 41612), (81, 41627), (95, 41723), (97, 41762), (101, 41792), (104, 41828), (118, 41939), (120, 41969), (121, 41972), (128, 42038), (145, 42197), (151, 42245), (154, 42263), (163, 42311), (182, 42455), (189, 42515), (204, 42620), (212, 42707),

Gene: Kwksand96_48 Start: 41271, Stop: 42626, Start Num: 46
Candidate Starts for Kwksand96_48:
(Start: 46 @41271 has 280 MA's), (54, 41322), (58, 41355), (78, 41484), (79, 41487), (81, 41502), (95, 41598), (97, 41637), (101, 41667), (104, 41703), (118, 41814), (120, 41844), (121, 41847), (128, 41913), (145, 42072), (151, 42120), (154, 42138), (163, 42186), (182, 42330), (189, 42390), (204, 42495), (212, 42582),

Gene: Labeouficaum_48 Start: 41266, Stop: 42621, Start Num: 46
Candidate Starts for Labeouficaum_48:
(Start: 46 @41266 has 280 MA's), (54, 41317), (58, 41350), (78, 41479), (79, 41482), (81, 41497), (95, 41593), (97, 41632), (101, 41662), (104, 41698), (118, 41809), (120, 41839), (121, 41842), (128,

41908), (145, 42067), (151, 42115), (154, 42133), (163, 42181), (182, 42325), (189, 42385), (204, 42490), (212, 42577),

Gene: Langerak_27 Start: 24036, Stop: 25202, Start Num: 55
Candidate Starts for Langerak_27:
(Start: 55 @24036 has 53 MA's), (65, 24093), (78, 24180), (86, 24225), (95, 24300), (96, 24321), (104, 24405), (108, 24444), (118, 24510), (120, 24540), (126, 24561), (128, 24606), (138, 24702), (144, 24741), (145, 24756), (146, 24768), (151, 24795), (169, 24882), (173, 24900), (175, 24906), (183, 24954), (189, 24975), (201, 25047), (208, 25122),

Gene: Larson_51 Start: 41818, Stop: 43173, Start Num: 46
Candidate Starts for Larson_51:
(Start: 46 @41818 has 280 MA's), (54, 41869), (58, 41902), (78, 42031), (79, 42034), (81, 42049), (95, 42145), (97, 42184), (101, 42214), (104, 42250), (118, 42361), (120, 42391), (121, 42394), (128, 42460), (145, 42619), (151, 42667), (154, 42685), (163, 42733), (182, 42877), (189, 42937), (204, 43042), (212, 43129),

Gene: LasagnaCat_50 Start: 41842, Stop: 43197, Start Num: 46
Candidate Starts for LasagnaCat_50:
(Start: 46 @41842 has 280 MA's), (54, 41893), (58, 41926), (78, 42055), (79, 42058), (81, 42073), (95, 42169), (97, 42208), (101, 42238), (104, 42274), (118, 42385), (120, 42415), (121, 42418), (128, 42484), (145, 42643), (151, 42691), (154, 42709), (163, 42757), (182, 42901), (189, 42961), (204, 43066), (212, 43153),

Gene: Lasso_49 Start: 41671, Stop: 43026, Start Num: 46
Candidate Starts for Lasso_49:
(Start: 46 @41671 has 280 MA's), (54, 41722), (58, 41755), (78, 41884), (79, 41887), (81, 41902), (95, 41998), (97, 42037), (101, 42067), (104, 42103), (118, 42214), (120, 42244), (121, 42247), (128, 42313), (145, 42472), (151, 42520), (154, 42538), (163, 42586), (182, 42730), (189, 42790), (204, 42895), (212, 42982),

Gene: LeeLot_49 Start: 41723, Stop: 43078, Start Num: 46
Candidate Starts for LeeLot_49:
(Start: 46 @41723 has 280 MA's), (54, 41774), (58, 41807), (78, 41936), (79, 41939), (81, 41954), (95, 42050), (97, 42089), (101, 42119), (104, 42155), (118, 42266), (120, 42296), (121, 42299), (128, 42365), (145, 42524), (151, 42572), (154, 42590), (163, 42638), (182, 42782), (189, 42842), (204, 42947), (212, 43034),

Gene: Lego3393_48 Start: 41851, Stop: 43206, Start Num: 46
Candidate Starts for Lego3393_48:
(Start: 46 @41851 has 280 MA's), (54, 41902), (58, 41935), (78, 42064), (79, 42067), (81, 42082), (95, 42178), (97, 42217), (101, 42247), (104, 42283), (118, 42394), (120, 42424), (121, 42427), (128, 42493), (145, 42652), (151, 42700), (154, 42718), (163, 42766), (182, 42910), (189, 42970), (204, 43075), (212, 43162),

Gene: Legolas_49 Start: 41441, Stop: 42796, Start Num: 46
Candidate Starts for Legolas_49:
(Start: 46 @41441 has 280 MA's), (54, 41492), (58, 41525), (78, 41654), (79, 41657), (81, 41672), (95, 41768), (97, 41807), (101, 41837), (104, 41873), (118, 41984), (120, 42014), (121, 42017), (128, 42083), (145, 42242), (151, 42290), (154, 42308), (163, 42356), (182, 42500), (189, 42560), (204, 42665), (212, 42752),

Gene: Lehmann_49 Start: 41253, Stop: 42608, Start Num: 46

Candidate Starts for Lehmann_49:
(Start: 46 @41253 has 280 MA's), (54, 41304), (58, 41337), (78, 41466), (79, 41469), (81, 41484), (95, 41580), (97, 41619), (101, 41649), (104, 41685), (118, 41796), (120, 41826), (121, 41829), (128, 41895), (145, 42054), (151, 42102), (154, 42120), (163, 42168), (182, 42312), (189, 42372), (204, 42477), (212, 42564),

Gene: LeiMonet_50 Start: 41403, Stop: 42758, Start Num: 46
Candidate Starts for LeiMonet_50:
(Start: 46 @41403 has 280 MA's), (54, 41454), (58, 41487), (61, 41505), (78, 41616), (79, 41619), (81, 41634), (95, 41730), (97, 41769), (101, 41799), (104, 41835), (118, 41946), (120, 41976), (121, 41979), (128, 42045), (145, 42204), (151, 42252), (154, 42270), (163, 42318), (182, 42462), (189, 42522), (204, 42627), (212, 42714),

Gene: LemonSlice_49 Start: 41408, Stop: 42763, Start Num: 46
Candidate Starts for LemonSlice_49:
(Start: 46 @41408 has 280 MA's), (54, 41459), (58, 41492), (78, 41621), (79, 41624), (81, 41639), (95, 41735), (97, 41774), (101, 41804), (104, 41840), (118, 41951), (120, 41981), (121, 41984), (128, 42050), (145, 42209), (151, 42257), (154, 42275), (163, 42323), (182, 42467), (189, 42527), (204, 42632), (212, 42719),

Gene: Lemuria_29 Start: 26871, Stop: 28088, Start Num: 49
Candidate Starts for Lemuria_29:
(16, 26262), (17, 26289), (18, 26313), (19, 26334), (20, 26340), (22, 26388), (25, 26424), (26, 26442), (31, 26508), (33, 26535), (Start: 49 @26871 has 1 MA's), (79, 27075), (85, 27117), (95, 27186), (97, 27225), (98, 27234), (102, 27258), (104, 27291), (105, 27306), (108, 27339), (118, 27423), (133, 27561), (145, 27651), (148, 27675), (151, 27690), (153, 27699), (155, 27711), (159, 27738), (162, 27750), (163, 27756), (164, 27759), (189, 27864), (212, 28050), (213, 28053),

Gene: Lev2_8 Start: 5172, Stop: 5981, Start Num: 92
Candidate Starts for Lev2_8:
(Start: 92 @5172 has 49 MA's), (97, 5235), (98, 5244), (101, 5265), (104, 5301), (108, 5349), (114, 5406), (117, 5430), (145, 5661), (154, 5718), (215, 5967),

Gene: Liefie_28 Start: 25200, Stop: 26408, Start Num: 50
Candidate Starts for Liefie_28:
(41, 25107), (Start: 50 @25200 has 69 MA's), (76, 25374), (85, 25446), (95, 25506), (97, 25545), (98, 25554), (102, 25578), (103, 25587), (104, 25611), (106, 25632), (108, 25659), (109, 25671), (118, 25743), (123, 25782), (145, 25971), (151, 26010), (155, 26031), (162, 26070), (163, 26076),

Gene: LilHazelnut_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for LilHazelnut_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: LittleCherry_8 Start: 5356, Stop: 6165, Start Num: 92
Candidate Starts for LittleCherry_8:
(Start: 92 @5356 has 49 MA's), (97, 5419), (98, 5428), (104, 5485), (108, 5533), (117, 5614), (139, 5803), (145, 5845), (154, 5902), (162, 5944), (215, 6151),

Gene: Longacauda_48 Start: 41404, Stop: 42759, Start Num: 46

Candidate Starts for Longacauda_48:
(Start: 46 @41404 has 280 MA's), (54, 41455), (58, 41488), (78, 41617), (79, 41620), (81, 41635), (95, 41731), (97, 41770), (101, 41800), (104, 41836), (118, 41947), (120, 41977), (121, 41980), (128, 42046), (145, 42205), (151, 42253), (154, 42271), (163, 42319), (182, 42463), (189, 42523), (204, 42628), (212, 42715),

Gene: Lopsy_48 Start: 41269, Stop: 42624, Start Num: 46
Candidate Starts for Lopsy_48:
(Start: 46 @41269 has 280 MA's), (54, 41320), (58, 41353), (78, 41482), (79, 41485), (81, 41500), (95, 41596), (97, 41635), (101, 41665), (104, 41701), (118, 41812), (120, 41842), (121, 41845), (128, 41911), (145, 42070), (151, 42118), (154, 42136), (163, 42184), (182, 42328), (189, 42388), (204, 42493), (212, 42580),

Gene: LostAndPhound_48 Start: 41423, Stop: 42778, Start Num: 46
Candidate Starts for LostAndPhound_48:
(Start: 46 @41423 has 280 MA's), (54, 41474), (58, 41507), (61, 41525), (78, 41636), (79, 41639), (81, 41654), (95, 41750), (97, 41789), (101, 41819), (104, 41855), (118, 41966), (120, 41996), (121, 41999), (128, 42065), (145, 42224), (151, 42272), (154, 42290), (163, 42338), (182, 42482), (189, 42542), (204, 42647), (212, 42734),

Gene: LouisV14_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for LouisV14_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: LuckyMarjie_48 Start: 41411, Stop: 42766, Start Num: 46
Candidate Starts for LuckyMarjie_48:
(Start: 46 @41411 has 280 MA's), (54, 41462), (58, 41495), (78, 41624), (79, 41627), (81, 41642), (95, 41738), (97, 41777), (101, 41807), (104, 41843), (118, 41954), (120, 41984), (121, 41987), (128, 42053), (145, 42212), (151, 42260), (154, 42278), (163, 42326), (182, 42470), (189, 42530), (204, 42635), (212, 42722),

Gene: Luke_33 Start: 28294, Stop: 29529, Start Num: 48
Candidate Starts for Luke_33:
(Start: 48 @28294 has 22 MA's), (60, 28387), (64, 28420), (67, 28432), (70, 28444), (71, 28447), (79, 28510), (82, 28528), (87, 28561), (95, 28621), (97, 28660), (98, 28669), (99, 28672), (101, 28690), (104, 28726), (108, 28774), (109, 28786), (110, 28792), (117, 28855), (118, 28858), (119, 28885), (123, 28897), (134, 28999), (145, 29086), (151, 29125), (155, 29146), (170, 29215), (180, 29245), (183, 29278), (185, 29287), (187, 29293), (191, 29305), (193, 29314), (202, 29377), (208, 29446),

Gene: Lulumae_48 Start: 41396, Stop: 42751, Start Num: 46
Candidate Starts for Lulumae_48:
(Start: 46 @41396 has 280 MA's), (54, 41447), (58, 41480), (78, 41609), (79, 41612), (81, 41627), (95, 41723), (97, 41762), (101, 41792), (104, 41828), (118, 41939), (120, 41969), (121, 41972), (128, 42038), (145, 42197), (151, 42245), (154, 42263), (163, 42311), (182, 42455), (189, 42515), (204, 42620), (212, 42707),

Gene: Lulwa_49 Start: 41689, Stop: 43044, Start Num: 46
Candidate Starts for Lulwa_49:
(Start: 46 @41689 has 280 MA's), (54, 41740), (58, 41773), (78, 41902), (79, 41905), (81, 41920), (95, 42016), (97, 42055), (101, 42085), (104, 42121), (118, 42232), (120, 42262), (121, 42265), (128,

42331), (145, 42490), (151, 42538), (154, 42556), (163, 42604), (182, 42748), (189, 42808), (204, 42913), (212, 43000),

Gene: Lumine_48 Start: 41392, Stop: 42747, Start Num: 46
Candidate Starts for Lumine_48:
(Start: 46 @41392 has 280 MA's), (54, 41443), (58, 41476), (78, 41605), (79, 41608), (81, 41623), (95, 41719), (97, 41758), (101, 41788), (104, 41824), (118, 41935), (120, 41965), (121, 41968), (128, 42034), (145, 42193), (151, 42241), (154, 42259), (163, 42307), (182, 42451), (189, 42511), (204, 42616), (212, 42703),

Gene: Luna22_32 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Luna22_32:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: MRabcd_48 Start: 41402, Stop: 42757, Start Num: 46
Candidate Starts for MRabcd_48:
(Start: 46 @41402 has 280 MA's), (54, 41453), (58, 41486), (61, 41504), (78, 41615), (79, 41618), (81, 41633), (95, 41729), (97, 41768), (101, 41798), (104, 41834), (118, 41945), (120, 41975), (121, 41978), (128, 42044), (145, 42203), (151, 42251), (154, 42269), (163, 42317), (182, 42461), (189, 42521), (204, 42626), (212, 42713),

Gene: MZKinsey_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for MZKinsey_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Mag7_48 Start: 41326, Stop: 42681, Start Num: 46
Candidate Starts for Mag7_48:
(Start: 46 @41326 has 280 MA's), (54, 41377), (58, 41410), (78, 41539), (79, 41542), (81, 41557), (95, 41653), (97, 41692), (101, 41722), (104, 41758), (118, 41869), (120, 41899), (121, 41902), (128, 41968), (145, 42127), (151, 42175), (154, 42193), (163, 42241), (182, 42385), (189, 42445), (204, 42550), (212, 42637),

Gene: Magic8_49 Start: 41761, Stop: 43116, Start Num: 46
Candidate Starts for Magic8_49:
(Start: 46 @41761 has 280 MA's), (54, 41812), (58, 41845), (78, 41974), (79, 41977), (81, 41992), (95, 42088), (97, 42127), (101, 42157), (104, 42193), (118, 42304), (120, 42334), (121, 42337), (128, 42403), (145, 42562), (151, 42610), (154, 42628), (163, 42676), (182, 42820), (189, 42880), (204, 42985), (212, 43072),

Gene: Majeke_27 Start: 24058, Stop: 25224, Start Num: 55
Candidate Starts for Majeke_27:
(Start: 55 @24058 has 53 MA's), (65, 24115), (78, 24202), (86, 24247), (95, 24322), (96, 24343), (104, 24427), (108, 24466), (118, 24532), (120, 24562), (126, 24583), (128, 24628), (138, 24724), (144, 24763), (145, 24778), (151, 24817), (169, 24904), (173, 24922), (175, 24928), (183, 24976), (189, 24997), (201, 25069), (208, 25144),

Gene: Maliketh_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Maliketh_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Malithi_27 Start: 23977, Stop: 25143, Start Num: 55
Candidate Starts for Malithi_27:
(Start: 55 @23977 has 53 MA's), (57, 23986), (64, 24031), (65, 24034), (78, 24121), (86, 24166), (90, 24199), (95, 24241), (96, 24262), (97, 24280), (104, 24346), (108, 24385), (118, 24451), (120, 24481), (126, 24502), (128, 24547), (138, 24643), (144, 24682), (145, 24697), (146, 24709), (151, 24736), (169, 24823), (173, 24841), (175, 24847), (183, 24895), (189, 24916), (201, 24988), (208, 25063),

Gene: Mana_48 Start: 41411, Stop: 42766, Start Num: 46
Candidate Starts for Mana_48:
(Start: 46 @41411 has 280 MA's), (54, 41462), (58, 41495), (61, 41513), (78, 41624), (79, 41627), (81, 41642), (95, 41738), (97, 41777), (101, 41807), (104, 41843), (118, 41954), (120, 41984), (121, 41987), (128, 42053), (145, 42212), (151, 42260), (154, 42278), (163, 42326), (182, 42470), (189, 42530), (204, 42635), (212, 42722),

Gene: Manad_49 Start: 41671, Stop: 43026, Start Num: 46
Candidate Starts for Manad_49:
(Start: 46 @41671 has 280 MA's), (54, 41722), (58, 41755), (78, 41884), (79, 41887), (81, 41902), (95, 41998), (97, 42037), (101, 42067), (104, 42103), (118, 42214), (120, 42244), (121, 42247), (128, 42313), (145, 42472), (151, 42520), (154, 42538), (163, 42586), (182, 42730), (189, 42790), (204, 42895), (208, 42949), (212, 42982),

Gene: Mangethe_27 Start: 24058, Stop: 25224, Start Num: 55
Candidate Starts for Mangethe_27:
(Start: 55 @24058 has 53 MA's), (65, 24115), (78, 24202), (86, 24247), (95, 24322), (96, 24343), (104, 24427), (108, 24466), (118, 24532), (120, 24562), (126, 24583), (128, 24628), (138, 24724), (144, 24763), (145, 24778), (151, 24817), (169, 24904), (173, 24922), (175, 24928), (183, 24976), (189, 24997), (201, 25069), (208, 25144),

Gene: Mao1_38 Start: 36347, Stop: 37516, Start Num: 56
Candidate Starts for Mao1_38:
(23, 35753), (27, 35816), (34, 35969), (51, 36278), (Start: 56 @36347 has 3 MA's), (65, 36401), (66, 36404), (78, 36488), (95, 36608), (96, 36629), (104, 36713), (108, 36752), (118, 36818), (126, 36869), (128, 36914), (129, 36929), (138, 37010), (144, 37049), (145, 37064), (146, 37076), (151, 37103), (169, 37190), (173, 37208), (176, 37220), (183, 37268), (189, 37289), (191, 37295), (199, 37340), (201, 37361), (208, 37436), (216, 37505),

Gene: Marmie_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Marmie_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Maru_48 Start: 41354, Stop: 42709, Start Num: 46
Candidate Starts for Maru_48:

(Start: 46 @41354 has 280 MA's), (54, 41405), (58, 41438), (78, 41567), (79, 41570), (81, 41585), (95, 41681), (97, 41720), (101, 41750), (104, 41786), (118, 41897), (120, 41927), (121, 41930), (128, 41996), (145, 42155), (151, 42203), (154, 42221), (163, 42269), (182, 42413), (189, 42473), (204, 42578), (212, 42665),

Gene: MarysWell_7 Start: 5323, Stop: 6132, Start Num: 92
Candidate Starts for MarysWell_7:
(Start: 92 @5323 has 49 MA's), (97, 5386), (98, 5395), (104, 5452), (108, 5500), (139, 5770), (145, 5812), (154, 5869), (162, 5911), (215, 6118),

Gene: Maskar_49 Start: 41392, Stop: 42747, Start Num: 46
Candidate Starts for Maskar_49:
(Start: 46 @41392 has 280 MA's), (54, 41443), (58, 41476), (78, 41605), (79, 41608), (81, 41623), (95, 41719), (97, 41758), (101, 41788), (104, 41824), (118, 41935), (120, 41965), (121, 41968), (128, 42034), (145, 42193), (151, 42241), (154, 42259), (163, 42307), (182, 42451), (189, 42511), (204, 42616), (212, 42703),

Gene: Matalotodo_49 Start: 41706, Stop: 43061, Start Num: 46
Candidate Starts for Matalotodo_49:
(Start: 46 @41706 has 280 MA's), (54, 41757), (58, 41790), (78, 41919), (79, 41922), (81, 41937), (95, 42033), (97, 42072), (101, 42102), (104, 42138), (118, 42249), (120, 42279), (121, 42282), (128, 42348), (145, 42507), (151, 42555), (154, 42573), (163, 42621), (182, 42765), (189, 42825), (204, 42930), (212, 43017),

Gene: Mcshane_48 Start: 41403, Stop: 42758, Start Num: 46
Candidate Starts for Mcshane_48:
(Start: 46 @41403 has 280 MA's), (54, 41454), (58, 41487), (78, 41616), (79, 41619), (81, 41634), (95, 41730), (97, 41769), (101, 41799), (104, 41835), (118, 41946), (120, 41976), (121, 41979), (128, 42045), (145, 42204), (151, 42252), (154, 42270), (163, 42318), (182, 42462), (189, 42522), (204, 42627), (212, 42714),

Gene: Mecca_48 Start: 41409, Stop: 42764, Start Num: 46
Candidate Starts for Mecca_48:
(Start: 46 @41409 has 280 MA's), (54, 41460), (58, 41493), (61, 41511), (78, 41622), (79, 41625), (81, 41640), (95, 41736), (97, 41775), (101, 41805), (104, 41841), (118, 41952), (120, 41982), (121, 41985), (128, 42051), (145, 42210), (151, 42258), (154, 42276), (163, 42324), (182, 42468), (189, 42528), (204, 42633), (212, 42720),

Gene: Megamind20_49 Start: 41431, Stop: 42786, Start Num: 46
Candidate Starts for Megamind20_49:
(Start: 46 @41431 has 280 MA's), (54, 41482), (58, 41515), (78, 41644), (79, 41647), (81, 41662), (95, 41758), (97, 41797), (101, 41827), (104, 41863), (118, 41974), (120, 42004), (121, 42007), (128, 42073), (145, 42232), (151, 42280), (154, 42298), (163, 42346), (182, 42490), (189, 42550), (204, 42655), (212, 42742),

Gene: Megatron_50 Start: 41839, Stop: 43194, Start Num: 46
Candidate Starts for Megatron_50:
(Start: 46 @41839 has 280 MA's), (54, 41890), (58, 41923), (78, 42052), (79, 42055), (81, 42070), (95, 42166), (97, 42205), (101, 42235), (104, 42271), (118, 42382), (120, 42412), (121, 42415), (128, 42481), (145, 42640), (151, 42688), (154, 42706), (163, 42754), (182, 42898), (189, 42958), (204, 43063), (212, 43150),

Gene: Megiddo_27 Start: 24311, Stop: 25477, Start Num: 55

Candidate Starts for Megiddo_27:
(15, 23558), (23, 23729), (30, 23825), (34, 23930), (Start: 55 @24311 has 53 MA's), (57, 24320), (64, 24365), (65, 24368), (78, 24455), (86, 24500), (95, 24575), (96, 24596), (97, 24614), (104, 24680), (108, 24719), (118, 24785), (120, 24815), (126, 24836), (128, 24881), (138, 24977), (144, 25016), (145, 25031), (151, 25070), (169, 25157), (173, 25175), (175, 25181), (183, 25229), (201, 25322), (208, 25397),

Gene: Melc17_49 Start: 41701, Stop: 43056, Start Num: 46
Candidate Starts for Melc17_49:
(Start: 46 @41701 has 280 MA's), (54, 41752), (58, 41785), (79, 41917), (81, 41932), (95, 42028), (97, 42067), (101, 42097), (104, 42133), (118, 42244), (120, 42274), (121, 42277), (128, 42343), (145, 42502), (151, 42550), (154, 42568), (163, 42616), (182, 42760), (189, 42820), (204, 42925), (208, 42979), (212, 43012),

Gene: MelsMeow_49 Start: 41442, Stop: 42800, Start Num: 46
Candidate Starts for MelsMeow_49:
(Start: 46 @41442 has 280 MA's), (54, 41493), (58, 41526), (61, 41544), (78, 41655), (79, 41658), (81, 41673), (95, 41769), (97, 41808), (101, 41838), (104, 41874), (118, 41985), (120, 42015), (121, 42018), (128, 42084), (145, 42243), (151, 42291), (154, 42309), (163, 42357), (182, 42504), (189, 42564), (204, 42669), (212, 42756),

Gene: Mercurio_30 Start: 27399, Stop: 28616, Start Num: 50
Candidate Starts for Mercurio_30:
(Start: 50 @27399 has 69 MA's), (72, 27543), (85, 27645), (95, 27714), (97, 27753), (98, 27762), (102, 27786), (104, 27819), (105, 27834), (108, 27867), (118, 27951), (145, 28179), (151, 28218), (153, 28227), (155, 28239), (161, 28272), (162, 28278), (163, 28284), (164, 28287), (212, 28578), (213, 28581),

Gene: Mesh1_49 Start: 41718, Stop: 43073, Start Num: 46
Candidate Starts for Mesh1_49:
(Start: 46 @41718 has 280 MA's), (54, 41769), (58, 41802), (78, 41931), (79, 41934), (81, 41949), (95, 42045), (97, 42084), (101, 42114), (104, 42150), (118, 42261), (120, 42291), (121, 42294), (128, 42360), (145, 42519), (151, 42567), (154, 42585), (163, 42633), (182, 42777), (189, 42837), (204, 42942), (212, 43029),

Gene: Mesmerelda_48 Start: 41413, Stop: 42768, Start Num: 46
Candidate Starts for Mesmerelda_48:
(Start: 46 @41413 has 280 MA's), (54, 41464), (58, 41497), (78, 41626), (79, 41629), (81, 41644), (95, 41740), (97, 41779), (101, 41809), (104, 41845), (118, 41956), (120, 41986), (121, 41989), (128, 42055), (145, 42214), (151, 42262), (154, 42280), (163, 42328), (182, 42472), (189, 42532), (204, 42637), (212, 42724),

Gene: Micasa_8 Start: 5324, Stop: 6133, Start Num: 92
Candidate Starts for Micasa_8:
(Start: 92 @5324 has 49 MA's), (97, 5387), (98, 5396), (104, 5453), (108, 5501), (117, 5582), (139, 5771), (145, 5813), (154, 5870), (162, 5912), (215, 6119),

Gene: MichaelPhcott_48 Start: 41323, Stop: 42678, Start Num: 46
Candidate Starts for MichaelPhcott_48:
(Start: 46 @41323 has 280 MA's), (54, 41374), (58, 41407), (78, 41536), (79, 41539), (81, 41554), (95, 41650), (97, 41689), (101, 41719), (104, 41755), (118, 41866), (120, 41896), (121, 41899), (128, 41965), (145, 42124), (151, 42172), (154, 42190), (163, 42238), (182, 42382), (189, 42442), (204, 42547), (212, 42634),

Gene: Midas2_8 Start: 5323, Stop: 6132, Start Num: 92
Candidate Starts for Midas2_8:
(Start: 92 @5323 has 49 MA's), (97, 5386), (98, 5395), (104, 5452), (108, 5500), (139, 5770), (145, 5812), (154, 5869), (162, 5911), (215, 6118),

Gene: Mikota_49 Start: 41689, Stop: 43044, Start Num: 46
Candidate Starts for Mikota_49:
(Start: 46 @41689 has 280 MA's), (54, 41740), (58, 41773), (78, 41902), (79, 41905), (81, 41920), (95, 42016), (97, 42055), (101, 42085), (104, 42121), (118, 42232), (120, 42262), (121, 42265), (128, 42331), (145, 42490), (151, 42538), (154, 42556), (163, 42604), (182, 42748), (189, 42808), (204, 42913), (212, 43000),

Gene: Milcery_8 Start: 5360, Stop: 6169, Start Num: 92
Candidate Starts for Milcery_8:
(Start: 92 @5360 has 49 MA's), (97, 5423), (98, 5432), (104, 5489), (108, 5537), (117, 5618), (139, 5807), (145, 5849), (154, 5906), (162, 5948), (215, 6155),

Gene: MiniBoss_49 Start: 41695, Stop: 43050, Start Num: 46
Candidate Starts for MiniBoss_49:
(Start: 46 @41695 has 280 MA's), (54, 41746), (58, 41779), (61, 41797), (78, 41908), (79, 41911), (81, 41926), (95, 42022), (97, 42061), (101, 42091), (104, 42127), (118, 42238), (120, 42268), (121, 42271), (128, 42337), (145, 42496), (151, 42544), (154, 42562), (163, 42610), (182, 42754), (189, 42814), (204, 42919), (212, 43006),

Gene: MissWhite_11 Start: 5672, Stop: 6478, Start Num: 93
Candidate Starts for MissWhite_11:
(Start: 93 @5672 has 3 MA's), (104, 5798), (108, 5846), (109, 5858), (116, 5924), (131, 6056), (142, 6140), (145, 6158), (151, 6197), (154, 6215), (205, 6350), (208, 6401), (215, 6464),

Gene: MitKao_49 Start: 41421, Stop: 42776, Start Num: 46
Candidate Starts for MitKao_49:
(Start: 46 @41421 has 280 MA's), (54, 41472), (58, 41505), (61, 41523), (78, 41634), (79, 41637), (81, 41652), (95, 41748), (97, 41787), (101, 41817), (104, 41853), (118, 41964), (120, 41994), (121, 41997), (128, 42063), (145, 42222), (151, 42270), (154, 42288), (163, 42336), (182, 42480), (189, 42540), (204, 42645), (212, 42732),

Gene: Morgushi_49 Start: 41410, Stop: 42765, Start Num: 46
Candidate Starts for Morgushi_49:
(Start: 46 @41410 has 280 MA's), (54, 41461), (58, 41494), (78, 41623), (79, 41626), (81, 41641), (95, 41737), (97, 41776), (101, 41806), (104, 41842), (118, 41953), (120, 41983), (121, 41986), (128, 42052), (145, 42211), (151, 42259), (154, 42277), (163, 42325), (182, 42469), (189, 42529), (204, 42634), (212, 42721),

Gene: Morty_50 Start: 41848, Stop: 43203, Start Num: 46
Candidate Starts for Morty_50:
(Start: 46 @41848 has 280 MA's), (54, 41899), (58, 41932), (78, 42061), (79, 42064), (81, 42079), (95, 42175), (97, 42214), (101, 42244), (104, 42280), (118, 42391), (120, 42421), (121, 42424), (128, 42490), (145, 42649), (151, 42697), (154, 42715), (163, 42763), (182, 42907), (189, 42967), (204, 43072), (212, 43159),

Gene: Mosaic_48 Start: 41415, Stop: 42770, Start Num: 46
Candidate Starts for Mosaic_48:

(Start: 46 @41415 has 280 MA's), (54, 41466), (58, 41499), (61, 41517), (78, 41628), (79, 41631), (81, 41646), (95, 41742), (97, 41781), (101, 41811), (104, 41847), (118, 41958), (120, 41988), (121, 41991), (128, 42057), (145, 42216), (151, 42264), (154, 42282), (163, 42330), (182, 42474), (189, 42534), (204, 42639), (212, 42726),

Gene: Mowgli_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Mowgli_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: MrPhizzler_49 Start: 41412, Stop: 42767, Start Num: 46
Candidate Starts for MrPhizzler_49:
(Start: 46 @41412 has 280 MA's), (54, 41463), (58, 41496), (78, 41625), (79, 41628), (81, 41643), (95, 41739), (97, 41778), (101, 41808), (104, 41844), (118, 41955), (120, 41985), (121, 41988), (128, 42054), (145, 42213), (151, 42261), (154, 42279), (163, 42327), (182, 42471), (189, 42531), (204, 42636), (212, 42723),

Gene: Mulan_49 Start: 41565, Stop: 42920, Start Num: 46
Candidate Starts for Mulan_49:
(Start: 46 @41565 has 280 MA's), (54, 41616), (58, 41649), (78, 41778), (79, 41781), (81, 41796), (95, 41892), (97, 41931), (101, 41961), (104, 41997), (118, 42108), (120, 42138), (121, 42141), (128, 42207), (145, 42366), (151, 42414), (154, 42432), (163, 42480), (182, 42624), (189, 42684), (204, 42789), (212, 42876),

Gene: Murdoc_49 Start: 41696, Stop: 43051, Start Num: 46
Candidate Starts for Murdoc_49:
(Start: 46 @41696 has 280 MA's), (54, 41747), (58, 41780), (78, 41909), (79, 41912), (81, 41927), (95, 42023), (97, 42062), (101, 42092), (104, 42128), (118, 42239), (120, 42269), (121, 42272), (128, 42338), (145, 42497), (151, 42545), (154, 42563), (163, 42611), (182, 42755), (189, 42815), (204, 42920), (212, 43007),

Gene: Mutante_48 Start: 41415, Stop: 42770, Start Num: 46
Candidate Starts for Mutante_48:
(Start: 46 @41415 has 280 MA's), (54, 41466), (58, 41499), (78, 41628), (79, 41631), (81, 41646), (95, 41742), (97, 41781), (101, 41811), (104, 41847), (118, 41958), (120, 41988), (121, 41991), (128, 42057), (145, 42216), (151, 42264), (154, 42282), (163, 42330), (182, 42474), (189, 42534), (204, 42639), (212, 42726),

Gene: Naca_8 Start: 5264, Stop: 6073, Start Num: 92
Candidate Starts for Naca_8:
(80, 5201), (88, 5240), (Start: 92 @5264 has 49 MA's), (97, 5327), (104, 5393), (108, 5441), (139, 5711), (145, 5753), (151, 5792), (154, 5810), (159, 5840), (214, 6038),

Gene: Nacho_0050 Start: 41842, Stop: 43197, Start Num: 46
Candidate Starts for Nacho_0050:
(Start: 46 @41842 has 280 MA's), (54, 41893), (58, 41926), (61, 41944), (78, 42055), (79, 42058), (81, 42073), (95, 42169), (97, 42208), (101, 42238), (104, 42274), (118, 42385), (120, 42415), (121, 42418), (128, 42484), (145, 42643), (151, 42691), (154, 42709), (163, 42757), (182, 42901), (189, 42961), (204, 43066), (212, 43153),

Gene: Nathan_49 Start: 41740, Stop: 43095, Start Num: 46

Candidate Starts for Nathan_49:
(Start: 46 @41740 has 280 MA's), (54, 41791), (58, 41824), (78, 41953), (79, 41956), (81, 41971), (95, 42067), (97, 42106), (101, 42136), (104, 42172), (118, 42283), (120, 42313), (121, 42316), (128, 42382), (145, 42541), (151, 42589), (154, 42607), (163, 42655), (182, 42799), (189, 42859), (204, 42964), (208, 43018), (212, 43051),

Gene: NearlyHeadless_8 Start: 4875, Stop: 5684, Start Num: 92
Candidate Starts for NearlyHeadless_8:
(Start: 92 @4875 has 49 MA's), (100, 4959), (104, 5004), (109, 5064), (116, 5130), (124, 5178), (128, 5217), (145, 5364), (151, 5403), (154, 5421), (160, 5454), (164, 5472), (203, 5541), (215, 5670),

Gene: Necropolis_27 Start: 24049, Stop: 25215, Start Num: 55
Candidate Starts for Necropolis_27:
(Start: 55 @24049 has 53 MA's), (64, 24103), (65, 24106), (78, 24193), (86, 24238), (95, 24313), (96, 24334), (97, 24352), (104, 24418), (108, 24457), (118, 24523), (120, 24553), (126, 24574), (128, 24619), (138, 24715), (144, 24754), (145, 24769), (151, 24808), (169, 24895), (173, 24913), (175, 24919), (183, 24967), (189, 24988), (201, 25060), (208, 25135),

Gene: Neoh_28 Start: 25193, Stop: 26401, Start Num: 50
Candidate Starts for Neoh_28:
(41, 25100), (Start: 50 @25193 has 69 MA's), (76, 25367), (85, 25439), (97, 25538), (98, 25547), (102, 25571), (103, 25580), (104, 25604), (106, 25625), (108, 25652), (109, 25664), (118, 25736), (123, 25775), (145, 25964), (148, 25988), (151, 26003), (155, 26024), (163, 26069), (164, 26072), (180, 26123),

Gene: Newman_49 Start: 41713, Stop: 43068, Start Num: 46
Candidate Starts for Newman_49:
(Start: 46 @41713 has 280 MA's), (54, 41764), (58, 41797), (61, 41815), (78, 41926), (79, 41929), (81, 41944), (95, 42040), (97, 42079), (101, 42109), (104, 42145), (118, 42256), (120, 42286), (121, 42289), (128, 42355), (145, 42514), (151, 42562), (154, 42580), (163, 42628), (182, 42772), (189, 42832), (204, 42937), (208, 42991), (212, 43024),

Gene: Nicole21_49 Start: 41717, Stop: 43072, Start Num: 46
Candidate Starts for Nicole21_49:
(Start: 46 @41717 has 280 MA's), (54, 41768), (58, 41801), (78, 41930), (79, 41933), (81, 41948), (95, 42044), (97, 42083), (101, 42113), (104, 42149), (118, 42260), (120, 42290), (121, 42293), (128, 42359), (145, 42518), (151, 42566), (154, 42584), (163, 42632), (182, 42776), (189, 42836), (204, 42941), (212, 43028),

Gene: NovoPizza_28 Start: 27896, Stop: 29269, Start Num: 47
Candidate Starts for NovoPizza_28:
(Start: 47 @27896 has 1 MA's), (58, 27986), (59, 27989), (70, 28052), (75, 28091), (81, 28136), (84, 28157), (86, 28169), (97, 28283), (103, 28322), (104, 28346), (125, 28502), (128, 28556), (138, 28652), (140, 28664), (145, 28715), (146, 28733), (151, 28763), (152, 28772), (154, 28781), (155, 28784), (163, 28829), (177, 28886), (179, 28922), (184, 29012), (185, 29015), (187, 29021), (188, 29024), (193, 29048), (204, 29135), (206, 29147), (208, 29189),

Gene: Numberten_49 Start: 41708, Stop: 43063, Start Num: 46
Candidate Starts for Numberten_49:
(Start: 46 @41708 has 280 MA's), (54, 41759), (58, 41792), (78, 41921), (79, 41924), (81, 41939), (95, 42035), (97, 42074), (101, 42104), (104, 42140), (118, 42251), (120, 42281), (121, 42284), (128, 42350), (145, 42509), (151, 42557), (154, 42575), (163, 42623), (182, 42767), (189, 42827), (204, 42932), (212, 43019),

Gene: Nyala_48 Start: 41407, Stop: 42762, Start Num: 46
Candidate Starts for Nyala_48:
(Start: 46 @41407 has 280 MA's), (54, 41458), (58, 41491), (78, 41620), (79, 41623), (81, 41638), (95, 41734), (97, 41773), (101, 41803), (104, 41839), (118, 41950), (120, 41980), (121, 41983), (128, 42049), (145, 42208), (151, 42256), (154, 42274), (163, 42322), (182, 42466), (189, 42526), (204, 42631), (212, 42718),

Gene: OBUpride_33 Start: 28333, Stop: 29568, Start Num: 48
Candidate Starts for OBUpride_33:
(Start: 48 @28333 has 22 MA's), (60, 28426), (64, 28459), (67, 28471), (70, 28483), (71, 28486), (79, 28549), (82, 28567), (87, 28600), (95, 28660), (97, 28699), (98, 28708), (99, 28711), (101, 28729), (104, 28765), (108, 28813), (109, 28825), (110, 28831), (117, 28894), (118, 28897), (119, 28924), (123, 28936), (134, 29038), (145, 29125), (151, 29164), (155, 29185), (170, 29254), (180, 29284), (183, 29317), (185, 29326), (187, 29332), (191, 29344), (193, 29353), (202, 29416), (208, 29485),

Gene: OSmaximus_50 Start: 41881, Stop: 43236, Start Num: 46
Candidate Starts for OSmaximus_50:
(Start: 46 @41881 has 280 MA's), (54, 41932), (58, 41965), (78, 42094), (79, 42097), (81, 42112), (95, 42208), (97, 42247), (101, 42277), (104, 42313), (118, 42424), (120, 42454), (121, 42457), (128, 42523), (145, 42682), (151, 42730), (154, 42748), (163, 42796), (182, 42940), (189, 43000), (204, 43105), (208, 43159), (212, 43192),

Gene: OctaviousRex_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for OctaviousRex_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Olak_48 Start: 41410, Stop: 42765, Start Num: 46
Candidate Starts for Olak_48:
(Start: 46 @41410 has 280 MA's), (54, 41461), (58, 41494), (78, 41623), (79, 41626), (81, 41641), (95, 41737), (97, 41776), (101, 41806), (104, 41842), (118, 41953), (120, 41983), (121, 41986), (128, 42052), (145, 42211), (151, 42259), (154, 42277), (163, 42325), (182, 42469), (189, 42529), (204, 42634), (212, 42721),

Gene: Olga_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Olga_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Oline_48 Start: 41270, Stop: 42625, Start Num: 46
Candidate Starts for Oline_48:
(Start: 46 @41270 has 280 MA's), (54, 41321), (58, 41354), (78, 41483), (79, 41486), (81, 41501), (95, 41597), (97, 41636), (101, 41666), (104, 41702), (118, 41813), (120, 41843), (121, 41846), (128, 41912), (145, 42071), (151, 42119), (154, 42137), (163, 42185), (182, 42329), (189, 42389), (204, 42494), (212, 42581),

Gene: Olive_49 Start: 41697, Stop: 43052, Start Num: 46
Candidate Starts for Olive_49:

(Start: 46 @41697 has 280 MA's), (54, 41748), (58, 41781), (67, 41835), (78, 41910), (79, 41913), (81, 41928), (95, 42024), (97, 42063), (101, 42093), (104, 42129), (118, 42240), (120, 42270), (121, 42273), (128, 42339), (145, 42498), (151, 42546), (154, 42564), (163, 42612), (182, 42756), (189, 42816), (204, 42921), (212, 43008),

Gene: OliverWalter_49 Start: 41719, Stop: 43074, Start Num: 46
Candidate Starts for OliverWalter_49:
(Start: 46 @41719 has 280 MA's), (54, 41770), (58, 41803), (78, 41932), (79, 41935), (81, 41950), (95, 42046), (97, 42085), (101, 42115), (104, 42151), (118, 42262), (120, 42292), (121, 42295), (128, 42361), (145, 42520), (151, 42568), (154, 42586), (163, 42634), (182, 42778), (189, 42838), (204, 42943), (208, 42997), (212, 43030),

Gene: Omniscient_49 Start: 41716, Stop: 43071, Start Num: 46
Candidate Starts for Omniscient_49:
(Start: 46 @41716 has 280 MA's), (54, 41767), (58, 41800), (61, 41818), (78, 41929), (79, 41932), (81, 41947), (95, 42043), (97, 42082), (101, 42112), (104, 42148), (118, 42259), (120, 42289), (121, 42292), (128, 42358), (145, 42517), (151, 42565), (154, 42583), (163, 42631), (182, 42775), (189, 42835), (204, 42940), (212, 43027),

Gene: OneBrain_50 Start: 41409, Stop: 42764, Start Num: 46
Candidate Starts for OneBrain_50:
(Start: 46 @41409 has 280 MA's), (54, 41460), (58, 41493), (78, 41622), (79, 41625), (81, 41640), (95, 41736), (97, 41775), (101, 41805), (104, 41841), (118, 41952), (120, 41982), (121, 41985), (128, 42051), (145, 42210), (151, 42258), (154, 42276), (163, 42324), (182, 42468), (189, 42528), (204, 42633), (212, 42720),

Gene: Oosterbaan_49 Start: 41704, Stop: 43059, Start Num: 46
Candidate Starts for Oosterbaan_49:
(Start: 46 @41704 has 280 MA's), (54, 41755), (58, 41788), (78, 41917), (79, 41920), (81, 41935), (95, 42031), (97, 42070), (101, 42100), (104, 42136), (118, 42247), (120, 42277), (121, 42280), (128, 42346), (145, 42505), (151, 42553), (154, 42571), (163, 42619), (182, 42763), (189, 42823), (204, 42928), (208, 42982), (212, 43015),

Gene: Orfeu_48 Start: 41403, Stop: 42758, Start Num: 46
Candidate Starts for Orfeu_48:
(Start: 46 @41403 has 280 MA's), (54, 41454), (58, 41487), (78, 41616), (79, 41619), (81, 41634), (95, 41730), (97, 41769), (101, 41799), (104, 41835), (118, 41946), (120, 41976), (121, 41979), (128, 42045), (145, 42204), (151, 42252), (154, 42270), (163, 42318), (182, 42462), (189, 42522), (204, 42627), (212, 42714),

Gene: Orion_50 Start: 41837, Stop: 43192, Start Num: 46
Candidate Starts for Orion_50:
(Start: 46 @41837 has 280 MA's), (54, 41888), (58, 41921), (78, 42050), (79, 42053), (81, 42068), (95, 42164), (97, 42203), (101, 42233), (104, 42269), (118, 42380), (120, 42410), (121, 42413), (128, 42479), (145, 42638), (151, 42686), (154, 42704), (163, 42752), (182, 42896), (189, 42956), (204, 43061), (212, 43148),

Gene: Orwigg_48 Start: 41403, Stop: 42758, Start Num: 46
Candidate Starts for Orwigg_48:
(Start: 46 @41403 has 280 MA's), (54, 41454), (58, 41487), (78, 41616), (79, 41619), (81, 41634), (95, 41730), (97, 41769), (101, 41799), (104, 41835), (118, 41946), (120, 41976), (121, 41979), (128, 42045), (145, 42204), (151, 42252), (154, 42270), (163, 42318), (182, 42462), (189, 42522), (204, 42627), (212, 42714),

Gene: P3MA_29 Start: 23924, Stop: 24829, Start Num: 94
Candidate Starts for P3MA_29:
(77, 23804), (Start: 94 @23924 has 1 MA's), (104, 24050), (105, 24065), (112, 24119), (114, 24143), (122, 24206), (132, 24320), (141, 24374), (144, 24401), (146, 24428), (149, 24443), (150, 24446), (151, 24455), (155, 24479), (156, 24482), (163, 24524), (170, 24548), (173, 24560), (175, 24566), (194, 24641), (209, 24761), (211, 24776), (212, 24782),

Gene: PG1_50 Start: 41850, Stop: 43205, Start Num: 46
Candidate Starts for PG1_50:
(Start: 46 @41850 has 280 MA's), (54, 41901), (58, 41934), (78, 42063), (79, 42066), (81, 42081), (95, 42177), (97, 42216), (101, 42246), (104, 42282), (118, 42393), (120, 42423), (121, 42426), (128, 42492), (145, 42651), (151, 42699), (154, 42717), (163, 42765), (182, 42909), (189, 42969), (204, 43074), (212, 43161),

Gene: Pacifista_48 Start: 41406, Stop: 42761, Start Num: 46
Candidate Starts for Pacifista_48:
(Start: 46 @41406 has 280 MA's), (54, 41457), (58, 41490), (78, 41619), (79, 41622), (81, 41637), (95, 41733), (97, 41772), (101, 41802), (104, 41838), (118, 41949), (120, 41979), (121, 41982), (128, 42048), (145, 42207), (151, 42255), (154, 42273), (163, 42321), (182, 42465), (189, 42525), (204, 42630), (212, 42717),

Gene: PaintedDog_30 Start: 25831, Stop: 27000, Start Num: 55
Candidate Starts for PaintedDog_30:
(45, 25705), (52, 25786), (Start: 55 @25831 has 53 MA's), (64, 25885), (65, 25888), (78, 25975), (87, 26023), (95, 26098), (98, 26146), (108, 26242), (109, 26254), (118, 26308), (119, 26335), (126, 26359), (128, 26404), (136, 26467), (144, 26539), (145, 26554), (146, 26566), (151, 26593), (169, 26680), (173, 26698), (175, 26704), (178, 26716), (185, 26761), (186, 26764), (189, 26773), (201, 26845), (208, 26920), (214, 26962), (215, 26983), (216, 26989),

Gene: Paito_28 Start: 25437, Stop: 26654, Start Num: 50
Candidate Starts for Paito_28:
(22, 24921), (31, 25041), (35, 25197), (Start: 50 @25437 has 69 MA's), (76, 25611), (85, 25683), (97, 25791), (102, 25824), (104, 25857), (106, 25878), (108, 25905), (109, 25917), (118, 25989), (123, 26028), (137, 26160), (145, 26217), (148, 26241), (151, 26256), (161, 26310), (162, 26316), (163, 26322), (164, 26325),

Gene: PallasAthena_50 Start: 41414, Stop: 42769, Start Num: 46
Candidate Starts for PallasAthena_50:
(Start: 46 @41414 has 280 MA's), (54, 41465), (58, 41498), (78, 41627), (79, 41630), (81, 41645), (95, 41741), (97, 41780), (101, 41810), (104, 41846), (118, 41957), (120, 41987), (121, 41990), (128, 42056), (145, 42215), (151, 42263), (154, 42281), (163, 42329), (182, 42473), (189, 42533), (204, 42638), (212, 42725),

Gene: PeanutPie_27 Start: 24053, Stop: 25219, Start Num: 55
Candidate Starts for PeanutPie_27:
(14, 23210), (15, 23300), (23, 23471), (30, 23567), (34, 23672), (Start: 55 @24053 has 53 MA's), (57, 24062), (64, 24107), (65, 24110), (78, 24197), (86, 24242), (95, 24317), (96, 24338), (97, 24356), (104, 24422), (108, 24461), (118, 24527), (120, 24557), (126, 24578), (128, 24623), (138, 24719), (144, 24758), (145, 24773), (151, 24812), (169, 24899), (173, 24917), (175, 24923), (183, 24971), (201, 25064), (208, 25139),

Gene: Peeb_28 Start: 25201, Stop: 26409, Start Num: 50

Candidate Starts for Peeb_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (100, 25567), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Periodt_28 Start: 25201, Stop: 26400, Start Num: 50
Candidate Starts for Periodt_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25537), (98, 25546), (102, 25570), (103, 25579), (104, 25603), (106, 25624), (108, 25651), (109, 25663), (118, 25735), (123, 25774), (145, 25963), (151, 26002), (155, 26023), (162, 26062), (163, 26068),

Gene: PetterN_9 Start: 5151, Stop: 5960, Start Num: 92
Candidate Starts for PetterN_9:
(80, 5088), (88, 5127), (Start: 92 @5151 has 49 MA's), (97, 5214), (104, 5280), (105, 5295), (108, 5328), (139, 5598), (145, 5640), (151, 5679), (154, 5697), (159, 5727), (214, 5925),

Gene: Phalm_27 Start: 24311, Stop: 25477, Start Num: 55
Candidate Starts for Phalm_27:
(15, 23558), (23, 23729), (30, 23825), (34, 23930), (Start: 55 @24311 has 53 MA's), (57, 24320), (64, 24365), (65, 24368), (78, 24455), (86, 24500), (95, 24575), (96, 24596), (97, 24614), (104, 24680), (108, 24719), (118, 24785), (120, 24815), (126, 24836), (128, 24881), (138, 24977), (144, 25016), (145, 25031), (151, 25070), (169, 25157), (173, 25175), (175, 25181), (183, 25229), (201, 25322), (208, 25397),

Gene: Phamished_50 Start: 41857, Stop: 43212, Start Num: 46
Candidate Starts for Phamished_50:
(Start: 46 @41857 has 280 MA's), (54, 41908), (58, 41941), (78, 42070), (79, 42073), (81, 42088), (95, 42184), (97, 42223), (101, 42253), (104, 42289), (118, 42400), (120, 42430), (121, 42433), (128, 42499), (145, 42658), (151, 42706), (154, 42724), (163, 42772), (182, 42916), (189, 42976), (204, 43081), (212, 43168),

Gene: Phareon_49 Start: 41405, Stop: 42760, Start Num: 46
Candidate Starts for Phareon_49:
(Start: 46 @41405 has 280 MA's), (54, 41456), (58, 41489), (78, 41618), (79, 41621), (81, 41636), (95, 41732), (97, 41771), (101, 41801), (104, 41837), (118, 41948), (120, 41978), (121, 41981), (128, 42047), (145, 42206), (151, 42254), (154, 42272), (163, 42320), (182, 42464), (189, 42524), (204, 42629), (212, 42716),

Gene: PhatCats2014_50 Start: 41854, Stop: 43209, Start Num: 46
Candidate Starts for PhatCats2014_50:
(Start: 46 @41854 has 280 MA's), (54, 41905), (58, 41938), (78, 42067), (79, 42070), (81, 42085), (95, 42181), (97, 42220), (101, 42250), (104, 42286), (118, 42397), (120, 42427), (121, 42430), (128, 42496), (145, 42655), (151, 42703), (154, 42721), (163, 42769), (182, 42913), (189, 42973), (204, 43078), (212, 43165),

Gene: PhatLouie_49 Start: 41708, Stop: 43063, Start Num: 46
Candidate Starts for PhatLouie_49:
(Start: 46 @41708 has 280 MA's), (54, 41759), (58, 41792), (78, 41921), (79, 41924), (81, 41939), (95, 42035), (97, 42074), (101, 42104), (104, 42140), (118, 42251), (120, 42281), (121, 42284), (128, 42350), (145, 42509), (151, 42557), (154, 42575), (163, 42623), (182, 42767), (189, 42827), (204, 42932), (212, 43019),

Gene: Phegasus_27 Start: 24058, Stop: 25224, Start Num: 55
Candidate Starts for Phegasus_27:
(Start: 55 @24058 has 53 MA's), (65, 24115), (78, 24202), (86, 24247), (95, 24322), (96, 24343), (104, 24427), (108, 24466), (118, 24532), (120, 24562), (126, 24583), (128, 24628), (138, 24724), (144, 24763), (145, 24778), (151, 24817), (169, 24904), (173, 24922), (175, 24928), (183, 24976), (189, 24997), (201, 25069), (208, 25144),

Gene: PhenghisKhan_48 Start: 41329, Stop: 42684, Start Num: 46
Candidate Starts for PhenghisKhan_48:
(Start: 46 @41329 has 280 MA's), (54, 41380), (58, 41413), (78, 41542), (79, 41545), (81, 41560), (95, 41656), (97, 41695), (101, 41725), (104, 41761), (118, 41872), (120, 41902), (121, 41905), (128, 41971), (145, 42130), (151, 42178), (154, 42196), (163, 42244), (182, 42388), (189, 42448), (204, 42553), (212, 42640),

Gene: Pherdinand_50 Start: 41845, Stop: 43221, Start Num: 46
Candidate Starts for Pherdinand_50:
(Start: 46 @41845 has 280 MA's), (54, 41896), (58, 41929), (78, 42058), (79, 42061), (81, 42076), (95, 42172), (97, 42211), (101, 42241), (104, 42277), (118, 42388), (120, 42418), (121, 42421), (128, 42487), (145, 42646), (151, 42694), (154, 42712), (163, 42760), (182, 42925), (189, 42985), (204, 43090), (212, 43177),

Gene: Phergie_49 Start: 41321, Stop: 42676, Start Num: 46
Candidate Starts for Phergie_49:
(Start: 46 @41321 has 280 MA's), (54, 41372), (58, 41405), (78, 41534), (79, 41537), (81, 41552), (95, 41648), (97, 41687), (101, 41717), (104, 41753), (118, 41864), (120, 41894), (121, 41897), (128, 41963), (145, 42122), (151, 42170), (154, 42188), (163, 42236), (182, 42380), (189, 42440), (204, 42545), (212, 42632),

Gene: Phillis_8 Start: 4833, Stop: 5642, Start Num: 92
Candidate Starts for Phillis_8:
(Start: 92 @4833 has 49 MA's), (100, 4917), (104, 4962), (109, 5022), (116, 5088), (145, 5322), (151, 5361), (154, 5379), (160, 5412), (164, 5430), (196, 5475), (203, 5499), (215, 5628),

Gene: Phineas_27 Start: 24423, Stop: 25589, Start Num: 55
Candidate Starts for Phineas_27:
(Start: 55 @24423 has 53 MA's), (65, 24480), (78, 24567), (86, 24612), (95, 24687), (96, 24708), (104, 24792), (108, 24831), (118, 24897), (120, 24927), (126, 24948), (128, 24993), (138, 25089), (144, 25128), (145, 25143), (151, 25182), (169, 25269), (173, 25287), (175, 25293), (183, 25341), (189, 25362), (201, 25434), (208, 25509),

Gene: Phipps_49 Start: 41685, Stop: 43040, Start Num: 46
Candidate Starts for Phipps_49:
(Start: 46 @41685 has 280 MA's), (54, 41736), (58, 41769), (78, 41898), (79, 41901), (81, 41916), (95, 42012), (97, 42051), (101, 42081), (104, 42117), (118, 42228), (120, 42258), (121, 42261), (128, 42327), (145, 42486), (151, 42534), (154, 42552), (163, 42600), (182, 42744), (189, 42804), (204, 42909), (212, 42996),

Gene: Phish_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Phish_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Phleuron_48 Start: 41326, Stop: 42681, Start Num: 46
Candidate Starts for Phleuron_48:
(Start: 46 @41326 has 280 MA's), (54, 41377), (58, 41410), (78, 41539), (79, 41542), (81, 41557), (95, 41653), (97, 41692), (101, 41722), (104, 41758), (118, 41869), (120, 41899), (121, 41902), (128, 41968), (145, 42127), (151, 42175), (154, 42193), (163, 42241), (182, 42385), (189, 42445), (204, 42550), (212, 42637),

Gene: Phloodle_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Phloodle_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (151, 26011), (155, 26032), (162, 26071), (163, 26077),

Gene: Phlorence_8 Start: 5463, Stop: 6272, Start Num: 92
Candidate Starts for Phlorence_8:
(Start: 92 @5463 has 49 MA's), (97, 5526), (98, 5535), (101, 5556), (104, 5592), (108, 5640), (114, 5697), (117, 5721), (145, 5952), (154, 6009), (215, 6258),

Gene: PhrankReynolds_47 Start: 41326, Stop: 42681, Start Num: 46
Candidate Starts for PhrankReynolds_47:
(Start: 46 @41326 has 280 MA's), (54, 41377), (58, 41410), (78, 41539), (79, 41542), (81, 41557), (95, 41653), (97, 41692), (101, 41722), (104, 41758), (118, 41869), (120, 41899), (121, 41902), (128, 41968), (145, 42127), (151, 42175), (154, 42193), (163, 42241), (182, 42385), (189, 42445), (204, 42550), (212, 42637),

Gene: Phrann_26 Start: 23199, Stop: 24365, Start Num: 55
Candidate Starts for Phrann_26:
(Start: 55 @23199 has 53 MA's), (65, 23256), (78, 23343), (86, 23388), (95, 23463), (96, 23484), (104, 23568), (108, 23607), (118, 23673), (120, 23703), (126, 23724), (128, 23769), (138, 23865), (144, 23904), (145, 23919), (146, 23931), (151, 23958), (169, 24045), (173, 24063), (175, 24069), (186, 24129), (201, 24210), (208, 24285), (214, 24327), (215, 24348), (216, 24354),

Gene: Phreak_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Phreak_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: PhrodoBaggins_49 Start: 41833, Stop: 43188, Start Num: 46
Candidate Starts for PhrodoBaggins_49:
(Start: 46 @41833 has 280 MA's), (54, 41884), (58, 41917), (78, 42046), (79, 42049), (81, 42064), (95, 42160), (97, 42199), (101, 42229), (104, 42265), (118, 42376), (120, 42406), (121, 42409), (128, 42475), (145, 42634), (151, 42682), (154, 42700), (163, 42748), (182, 42892), (189, 42952), (204, 43057), (212, 43144),

Gene: Phunky_49 Start: 41702, Stop: 43057, Start Num: 46
Candidate Starts for Phunky_49:
(Start: 46 @41702 has 280 MA's), (54, 41753), (58, 41786), (78, 41915), (79, 41918), (81, 41933), (95, 42029), (97, 42068), (101, 42098), (104, 42134), (118, 42245), (120, 42275), (121, 42278), (128, 42344), (145, 42503), (151, 42551), (154, 42569), (163, 42617), (182, 42761), (189, 42821), (204, 42926), (212, 43013),

Gene: PickleBack_8 Start: 5173, Stop: 5982, Start Num: 92
Candidate Starts for PickleBack_8:
(Start: 92 @5173 has 49 MA's), (97, 5236), (98, 5245), (101, 5266), (104, 5302), (108, 5350), (114, 5407), (117, 5431), (145, 5662), (154, 5719), (215, 5968),

Gene: Piglet_0049 Start: 41827, Stop: 43182, Start Num: 46
Candidate Starts for Piglet_0049:
(Start: 46 @41827 has 280 MA's), (54, 41878), (58, 41911), (78, 42040), (79, 42043), (81, 42058), (95, 42154), (97, 42193), (101, 42223), (104, 42259), (118, 42370), (120, 42400), (121, 42403), (128, 42469), (145, 42628), (151, 42676), (154, 42694), (163, 42742), (182, 42886), (189, 42946), (204, 43051), (212, 43138),

Gene: PinheadLarry_49 Start: 41415, Stop: 42770, Start Num: 46
Candidate Starts for PinheadLarry_49:
(Start: 46 @41415 has 280 MA's), (54, 41466), (58, 41499), (78, 41628), (79, 41631), (81, 41646), (95, 41742), (97, 41781), (101, 41811), (104, 41847), (118, 41958), (120, 41988), (121, 41991), (128, 42057), (145, 42216), (151, 42264), (154, 42282), (163, 42330), (182, 42474), (189, 42534), (204, 42639), (212, 42726),

Gene: PinkYoshi_28 Start: 25192, Stop: 26400, Start Num: 50
Candidate Starts for PinkYoshi_28:
(41, 25099), (Start: 50 @25192 has 69 MA's), (76, 25366), (85, 25438), (97, 25537), (98, 25546), (102, 25570), (103, 25579), (104, 25603), (106, 25624), (108, 25651), (109, 25663), (118, 25735), (123, 25774), (145, 25963), (148, 25987), (151, 26002), (155, 26023), (163, 26068), (164, 26071), (180, 26122),

Gene: Pinkman_48 Start: 41264, Stop: 42619, Start Num: 46
Candidate Starts for Pinkman_48:
(Start: 46 @41264 has 280 MA's), (54, 41315), (58, 41348), (78, 41477), (79, 41480), (81, 41495), (95, 41591), (97, 41630), (101, 41660), (104, 41696), (118, 41807), (120, 41837), (121, 41840), (128, 41906), (145, 42065), (151, 42113), (154, 42131), (163, 42179), (182, 42323), (189, 42383), (204, 42488), (212, 42575),

Gene: Pipsqueak_49 Start: 41709, Stop: 43064, Start Num: 46
Candidate Starts for Pipsqueak_49:
(Start: 46 @41709 has 280 MA's), (54, 41760), (58, 41793), (78, 41922), (79, 41925), (81, 41940), (95, 42036), (97, 42075), (101, 42105), (104, 42141), (118, 42252), (120, 42282), (121, 42285), (128, 42351), (145, 42510), (151, 42558), (154, 42576), (163, 42624), (182, 42768), (189, 42828), (204, 42933), (212, 43020),

Gene: Placalicious_48 Start: 41402, Stop: 42757, Start Num: 46
Candidate Starts for Placalicious_48:
(Start: 46 @41402 has 280 MA's), (54, 41453), (58, 41486), (78, 41615), (79, 41618), (81, 41633), (95, 41729), (97, 41768), (101, 41798), (104, 41834), (118, 41945), (120, 41975), (121, 41978), (128, 42044), (145, 42203), (151, 42251), (154, 42269), (163, 42317), (182, 42461), (189, 42521), (204, 42626), (212, 42713),

Gene: Plagueis_28 Start: 25036, Stop: 26244, Start Num: 50
Candidate Starts for Plagueis_28:
(41, 24943), (Start: 50 @25036 has 69 MA's), (76, 25210), (85, 25282), (97, 25381), (98, 25390), (102, 25414), (103, 25423), (104, 25447), (106, 25468), (108, 25495), (109, 25507), (118, 25579), (123, 25618), (145, 25807), (148, 25831), (151, 25846), (155, 25867), (163, 25912), (164, 25915), (180,

25966),

Gene: Plata_49 Start: 41420, Stop: 42775, Start Num: 46
Candidate Starts for Plata_49:
(Start: 46 @41420 has 280 MA's), (54, 41471), (58, 41504), (61, 41522), (78, 41633), (79, 41636), (81, 41651), (95, 41747), (97, 41786), (101, 41816), (104, 41852), (118, 41963), (120, 41993), (121, 41996), (128, 42062), (145, 42221), (151, 42269), (154, 42287), (163, 42335), (182, 42479), (189, 42539), (204, 42644), (212, 42731),

Gene: Plmatters_49 Start: 41705, Stop: 43060, Start Num: 46
Candidate Starts for Plmatters_49:
(Start: 46 @41705 has 280 MA's), (54, 41756), (58, 41789), (78, 41918), (79, 41921), (81, 41936), (95, 42032), (97, 42071), (101, 42101), (104, 42137), (118, 42248), (120, 42278), (121, 42281), (128, 42347), (145, 42506), (151, 42554), (154, 42572), (163, 42620), (182, 42764), (189, 42824), (204, 42929), (212, 43016),

Gene: Podrick_49 Start: 41696, Stop: 43051, Start Num: 46
Candidate Starts for Podrick_49:
(Start: 46 @41696 has 280 MA's), (54, 41747), (58, 41780), (78, 41909), (79, 41912), (81, 41927), (95, 42023), (97, 42062), (101, 42092), (104, 42128), (118, 42239), (120, 42269), (121, 42272), (128, 42338), (145, 42497), (151, 42545), (154, 42563), (163, 42611), (182, 42755), (189, 42815), (204, 42920), (212, 43007),

Gene: Polkaroo_27 Start: 24068, Stop: 25234, Start Num: 55
Candidate Starts for Polkaroo_27:
(Start: 55 @24068 has 53 MA's), (65, 24125), (78, 24212), (86, 24257), (95, 24332), (96, 24353), (104, 24437), (108, 24476), (118, 24542), (120, 24572), (126, 24593), (128, 24638), (138, 24734), (144, 24773), (145, 24788), (146, 24800), (151, 24827), (169, 24914), (173, 24932), (175, 24938), (183, 24986), (201, 25079), (208, 25154),

Gene: Pops_49 Start: 41720, Stop: 43075, Start Num: 46
Candidate Starts for Pops_49:
(Start: 46 @41720 has 280 MA's), (54, 41771), (58, 41804), (78, 41933), (79, 41936), (81, 41951), (95, 42047), (97, 42086), (101, 42116), (104, 42152), (118, 42263), (120, 42293), (121, 42296), (128, 42362), (145, 42521), (151, 42569), (154, 42587), (163, 42635), (182, 42779), (189, 42839), (204, 42944), (208, 42998), (212, 43031),

Gene: Potter_48 Start: 41432, Stop: 42787, Start Num: 46
Candidate Starts for Potter_48:
(Start: 46 @41432 has 280 MA's), (54, 41483), (58, 41516), (61, 41534), (78, 41645), (79, 41648), (81, 41663), (95, 41759), (97, 41798), (101, 41828), (104, 41864), (118, 41975), (120, 42005), (121, 42008), (128, 42074), (145, 42233), (151, 42281), (154, 42299), (163, 42347), (182, 42491), (189, 42551), (204, 42656), (212, 42743),

Gene: Prickles_49 Start: 41696, Stop: 43051, Start Num: 46
Candidate Starts for Prickles_49:
(Start: 46 @41696 has 280 MA's), (54, 41747), (58, 41780), (61, 41798), (78, 41909), (79, 41912), (81, 41927), (95, 42023), (97, 42062), (101, 42092), (104, 42128), (118, 42239), (120, 42269), (121, 42272), (128, 42338), (145, 42497), (151, 42545), (154, 42563), (163, 42611), (182, 42755), (189, 42815), (204, 42920), (208, 42974), (212, 43007),

Gene: Prinashe11_9 Start: 5323, Stop: 6132, Start Num: 92
Candidate Starts for Prinashe11_9:

(Start: 92 @5323 has 49 MA's), (97, 5386), (98, 5395), (104, 5452), (108, 5500), (117, 5581), (139, 5770), (145, 5812), (154, 5869), (162, 5911), (215, 6118),

Gene: ProfessorX_49 Start: 41697, Stop: 43052, Start Num: 46
Candidate Starts for ProfessorX_49:
(Start: 46 @41697 has 280 MA's), (54, 41748), (58, 41781), (78, 41910), (79, 41913), (81, 41928), (95, 42024), (97, 42063), (101, 42093), (104, 42129), (118, 42240), (120, 42270), (121, 42273), (128, 42339), (145, 42498), (151, 42546), (154, 42564), (163, 42612), (182, 42756), (189, 42816), (204, 42921), (212, 43008),

Gene: Puhltonio_49 Start: 41706, Stop: 43061, Start Num: 46
Candidate Starts for Puhltonio_49:
(Start: 46 @41706 has 280 MA's), (54, 41757), (58, 41790), (78, 41919), (79, 41922), (81, 41937), (95, 42033), (97, 42072), (101, 42102), (104, 42138), (118, 42249), (120, 42279), (121, 42282), (128, 42348), (145, 42507), (151, 42555), (154, 42573), (163, 42621), (182, 42765), (189, 42825), (204, 42930), (212, 43017),

Gene: Pygmy_29 Start: 25891, Stop: 27057, Start Num: 55
Candidate Starts for Pygmy_29:
(Start: 55 @25891 has 53 MA's), (65, 25948), (78, 26035), (86, 26080), (95, 26155), (96, 26176), (97, 26194), (104, 26260), (108, 26299), (118, 26365), (120, 26395), (126, 26416), (128, 26461), (138, 26557), (144, 26596), (145, 26611), (146, 26623), (151, 26650), (169, 26737), (173, 26755), (175, 26761), (183, 26809), (189, 26830), (201, 26902), (208, 26977),

Gene: QueenBeane_49 Start: 41696, Stop: 43051, Start Num: 46
Candidate Starts for QueenBeane_49:
(Start: 46 @41696 has 280 MA's), (54, 41747), (58, 41780), (78, 41909), (79, 41912), (81, 41927), (95, 42023), (97, 42062), (101, 42092), (104, 42128), (118, 42239), (120, 42269), (121, 42272), (128, 42338), (145, 42497), (151, 42545), (154, 42563), (163, 42611), (182, 42755), (189, 42815), (204, 42920), (212, 43007),

Gene: QueenHazel_26 Start: 24219, Stop: 25385, Start Num: 55
Candidate Starts for QueenHazel_26:
(3, 22992), (6, 23166), (24, 23667), (34, 23847), (Start: 55 @24219 has 53 MA's), (65, 24276), (78, 24363), (87, 24411), (95, 24483), (96, 24504), (104, 24588), (108, 24627), (118, 24693), (120, 24723), (126, 24744), (128, 24789), (138, 24885), (144, 24924), (145, 24939), (151, 24978), (169, 25065), (173, 25083), (175, 25089), (183, 25137), (189, 25158), (201, 25230), (208, 25305), (214, 25347), (215, 25368), (216, 25374),

Gene: Quisquiliae_49 Start: 41733, Stop: 43088, Start Num: 46
Candidate Starts for Quisquiliae_49:
(Start: 46 @41733 has 280 MA's), (54, 41784), (58, 41817), (78, 41946), (79, 41949), (81, 41964), (95, 42060), (97, 42099), (101, 42129), (104, 42165), (118, 42276), (120, 42306), (121, 42309), (128, 42375), (145, 42534), (151, 42582), (154, 42600), (163, 42648), (182, 42792), (189, 42852), (204, 42957), (212, 43044),

Gene: Rabbs_28 Start: 25284, Stop: 26492, Start Num: 50
Candidate Starts for Rabbs_28:
(41, 25191), (Start: 50 @25284 has 69 MA's), (76, 25458), (85, 25530), (97, 25629), (98, 25638), (102, 25662), (103, 25671), (104, 25695), (106, 25716), (108, 25743), (109, 25755), (118, 25827), (123, 25866), (145, 26055), (151, 26094), (155, 26115), (162, 26154), (163, 26160),

Gene: Rattrick_28 Start: 25201, Stop: 26400, Start Num: 50

Candidate Starts for Rattrick_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25537), (98, 25546), (102, 25570), (103, 25579), (104, 25603), (106, 25624), (108, 25651), (109, 25663), (118, 25735), (123, 25774), (145, 25963), (151, 26002), (155, 26023), (162, 26062), (163, 26068),

Gene: RedMaple_49 Start: 41847, Stop: 43202, Start Num: 46
Candidate Starts for RedMaple_49:
(Start: 46 @41847 has 280 MA's), (54, 41898), (58, 41931), (78, 42060), (79, 42063), (81, 42078), (95, 42174), (97, 42213), (101, 42243), (104, 42279), (118, 42390), (120, 42420), (121, 42423), (128, 42489), (145, 42648), (151, 42696), (154, 42714), (163, 42762), (182, 42906), (189, 42966), (204, 43071), (208, 43125), (212, 43158),

Gene: RedRaider89_51 Start: 41930, Stop: 43285, Start Num: 46
Candidate Starts for RedRaider89_51:
(Start: 46 @41930 has 280 MA's), (54, 41981), (58, 42014), (61, 42032), (78, 42143), (79, 42146), (81, 42161), (95, 42257), (97, 42296), (101, 42326), (104, 42362), (118, 42473), (120, 42503), (121, 42506), (128, 42572), (145, 42731), (151, 42779), (154, 42797), (163, 42845), (182, 42989), (189, 43049), (204, 43154), (212, 43241),

Gene: Remy19_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Remy19_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Renaissance_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Renaissance_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Richarlison_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Richarlison_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (100, 25567), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Ricotta_48 Start: 41419, Stop: 42774, Start Num: 46
Candidate Starts for Ricotta_48:
(Start: 46 @41419 has 280 MA's), (54, 41470), (58, 41503), (78, 41632), (79, 41635), (81, 41650), (95, 41746), (97, 41785), (101, 41815), (104, 41851), (118, 41962), (120, 41992), (121, 41995), (128, 42061), (145, 42220), (151, 42268), (154, 42286), (163, 42334), (182, 42478), (189, 42538), (204, 42643), (212, 42730),

Gene: Riggan_49 Start: 41692, Stop: 43047, Start Num: 46
Candidate Starts for Riggan_49:
(Start: 46 @41692 has 280 MA's), (54, 41743), (58, 41776), (78, 41905), (79, 41908), (81, 41923), (95, 42019), (97, 42058), (101, 42088), (104, 42124), (118, 42235), (120, 42265), (121, 42268), (128, 42334), (145, 42493), (151, 42541), (154, 42559), (163, 42607), (182, 42751), (189, 42811), (204, 42916), (212, 43003),

Gene: Rimu_49 Start: 41432, Stop: 42787, Start Num: 46
Candidate Starts for Rimu_49:
(Start: 46 @41432 has 280 MA's), (54, 41483), (58, 41516), (78, 41645), (79, 41648), (81, 41663), (95, 41759), (97, 41798), (101, 41828), (104, 41864), (118, 41975), (120, 42005), (121, 42008), (128, 42074), (145, 42233), (151, 42281), (154, 42299), (163, 42347), (182, 42491), (189, 42551), (204, 42656), (212, 42743),

Gene: Riverton_48 Start: 41722, Stop: 43086, Start Num: 46
Candidate Starts for Riverton_48:
(Start: 46 @41722 has 280 MA's), (54, 41773), (58, 41806), (78, 41935), (79, 41938), (81, 41953), (95, 42049), (97, 42088), (101, 42118), (104, 42154), (118, 42265), (120, 42295), (121, 42298), (128, 42364), (145, 42523), (151, 42571), (154, 42589), (163, 42637), (182, 42781), (189, 42841), (204, 42946), (212, 43033),

Gene: Roary_8 Start: 4837, Stop: 5646, Start Num: 92
Candidate Starts for Roary_8:
(Start: 92 @4837 has 49 MA's), (100, 4921), (104, 4966), (116, 5092), (145, 5326), (151, 5365), (154, 5383), (160, 5416), (164, 5434), (196, 5479), (203, 5503), (215, 5632),

Gene: Robyn_48 Start: 41288, Stop: 42643, Start Num: 46
Candidate Starts for Robyn_48:
(Start: 46 @41288 has 280 MA's), (54, 41339), (58, 41372), (78, 41501), (79, 41504), (81, 41519), (95, 41615), (97, 41654), (101, 41684), (104, 41720), (113, 41795), (118, 41831), (120, 41861), (121, 41864), (128, 41930), (145, 42089), (151, 42137), (154, 42155), (163, 42203), (182, 42347), (189, 42407), (204, 42512), (212, 42599),

Gene: Roliet_49 Start: 41705, Stop: 43060, Start Num: 46
Candidate Starts for Roliet_49:
(Start: 46 @41705 has 280 MA's), (54, 41756), (58, 41789), (61, 41807), (78, 41918), (79, 41921), (81, 41936), (95, 42032), (97, 42071), (101, 42101), (104, 42137), (118, 42248), (120, 42278), (121, 42281), (128, 42347), (145, 42506), (151, 42554), (154, 42572), (163, 42620), (182, 42764), (189, 42824), (204, 42929), (212, 43016),

Gene: Roscoe_50 Start: 41942, Stop: 43297, Start Num: 46
Candidate Starts for Roscoe_50:
(Start: 46 @41942 has 280 MA's), (54, 41993), (58, 42026), (78, 42155), (79, 42158), (81, 42173), (95, 42269), (97, 42308), (101, 42338), (104, 42374), (118, 42485), (120, 42515), (121, 42518), (128, 42584), (145, 42743), (151, 42791), (154, 42809), (163, 42857), (182, 43001), (189, 43061), (204, 43166), (212, 43253),

Gene: Roy17_49 Start: 41396, Stop: 42751, Start Num: 46
Candidate Starts for Roy17_49:
(Start: 46 @41396 has 280 MA's), (54, 41447), (58, 41480), (78, 41609), (79, 41612), (81, 41627), (95, 41723), (97, 41762), (101, 41792), (104, 41828), (118, 41939), (120, 41969), (121, 41972), (128, 42038), (145, 42197), (151, 42245), (154, 42263), (163, 42311), (182, 42455), (189, 42515), (204, 42620), (212, 42707),

Gene: Rubeelu_27 Start: 22757, Stop: 23917, Start Num: 55
Candidate Starts for Rubeelu_27:
(10, 21803), (15, 21998), (27, 22232), (34, 22385), (Start: 55 @22757 has 53 MA's), (65, 22814), (78, 22901), (95, 23021), (108, 23165), (109, 23177), (118, 23231), (120, 23261), (126, 23282), (128, 23327), (145, 23477), (146, 23489), (151, 23516), (155, 23537), (164, 23585), (169, 23603), (185,

23681), (190, 23696), (201, 23762), (214, 23879),

Gene: Ruriko_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Ruriko_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: SDcharge11_49 Start: 41683, Stop: 43038, Start Num: 46
Candidate Starts for SDcharge11_49:
(Start: 46 @41683 has 280 MA's), (54, 41734), (58, 41767), (61, 41785), (78, 41896), (79, 41899), (81, 41914), (95, 42010), (97, 42049), (101, 42079), (104, 42115), (118, 42226), (120, 42256), (121, 42259), (128, 42325), (145, 42484), (151, 42532), (154, 42550), (163, 42598), (182, 42742), (189, 42802), (204, 42907), (212, 42994),

Gene: Saintus_8 Start: 4850, Stop: 5659, Start Num: 92
Candidate Starts for Saintus_8:
(Start: 92 @4850 has 49 MA's), (100, 4934), (104, 4979), (116, 5105), (145, 5339), (151, 5378), (154, 5396), (160, 5429), (164, 5447), (203, 5516), (215, 5645),

Gene: SallyH_50 Start: 41850, Stop: 43205, Start Num: 46
Candidate Starts for SallyH_50:
(Start: 46 @41850 has 280 MA's), (54, 41901), (58, 41934), (78, 42063), (79, 42066), (81, 42081), (95, 42177), (97, 42216), (101, 42246), (104, 42282), (118, 42393), (120, 42423), (121, 42426), (128, 42492), (145, 42651), (151, 42699), (154, 42717), (163, 42765), (182, 42909), (189, 42969), (204, 43074), (212, 43161),

Gene: Samaymay_49 Start: 41696, Stop: 43051, Start Num: 46
Candidate Starts for Samaymay_49:
(Start: 46 @41696 has 280 MA's), (54, 41747), (58, 41780), (78, 41909), (79, 41912), (81, 41927), (95, 42023), (97, 42062), (101, 42092), (104, 42128), (118, 42239), (120, 42269), (121, 42272), (128, 42338), (145, 42497), (151, 42545), (154, 42563), (163, 42611), (182, 42755), (189, 42815), (204, 42920), (212, 43007),

Gene: SassyCat97_48 Start: 41423, Stop: 42778, Start Num: 46
Candidate Starts for SassyCat97_48:
(Start: 46 @41423 has 280 MA's), (54, 41474), (58, 41507), (61, 41525), (78, 41636), (79, 41639), (81, 41654), (95, 41750), (97, 41789), (101, 41819), (104, 41855), (118, 41966), (120, 41996), (121, 41999), (128, 42065), (145, 42224), (151, 42272), (154, 42290), (163, 42338), (182, 42482), (189, 42542), (204, 42647), (212, 42734),

Gene: Sbash_26 Start: 24238, Stop: 25410, Start Num: 56
Candidate Starts for Sbash_26:
(51, 24169), (Start: 56 @24238 has 3 MA's), (65, 24292), (66, 24295), (74, 24337), (78, 24379), (95, 24502), (96, 24523), (104, 24607), (108, 24646), (126, 24763), (128, 24808), (129, 24823), (138, 24904), (145, 24958), (146, 24970), (151, 24997), (155, 25018), (165, 25069), (169, 25084), (173, 25102), (183, 25162), (201, 25255), (208, 25330),

Gene: Schadenfreude_48 Start: 41262, Stop: 42617, Start Num: 46
Candidate Starts for Schadenfreude_48:
(Start: 46 @41262 has 280 MA's), (54, 41313), (58, 41346), (78, 41475), (79, 41478), (81, 41493), (95, 41589), (97, 41628), (101, 41658), (104, 41694), (118, 41805), (120, 41835), (121, 41838), (128,

41904), (145, 42063), (151, 42111), (154, 42129), (163, 42177), (182, 42321), (189, 42381), (204, 42486), (212, 42573),

Gene: Schiebel_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Schiebel_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (100, 25567), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Schueller_48 Start: 41421, Stop: 42776, Start Num: 46
Candidate Starts for Schueller_48:
(Start: 46 @41421 has 280 MA's), (54, 41472), (58, 41505), (61, 41523), (78, 41634), (79, 41637), (81, 41652), (95, 41748), (97, 41787), (101, 41817), (104, 41853), (118, 41964), (120, 41994), (121, 41997), (128, 42063), (145, 42222), (151, 42270), (154, 42288), (163, 42336), (182, 42480), (189, 42540), (204, 42645), (212, 42732),

Gene: Scoot17C_50 Start: 41839, Stop: 43194, Start Num: 46
Candidate Starts for Scoot17C_50:
(Start: 46 @41839 has 280 MA's), (54, 41890), (58, 41923), (78, 42052), (79, 42055), (81, 42070), (95, 42166), (97, 42205), (101, 42235), (104, 42271), (118, 42382), (120, 42412), (121, 42415), (128, 42481), (145, 42640), (151, 42688), (154, 42706), (163, 42754), (182, 42898), (189, 42958), (204, 43063), (212, 43150),

Gene: Scorpia_9 Start: 5152, Stop: 5961, Start Num: 92
Candidate Starts for Scorpia_9:
(80, 5089), (88, 5128), (Start: 92 @5152 has 49 MA's), (97, 5215), (104, 5281), (105, 5296), (108, 5329), (139, 5599), (145, 5641), (151, 5680), (154, 5698), (159, 5728), (214, 5926),

Gene: Scrick_49 Start: 41432, Stop: 42787, Start Num: 46
Candidate Starts for Scrick_49:
(Start: 46 @41432 has 280 MA's), (54, 41483), (58, 41516), (78, 41645), (79, 41648), (81, 41663), (95, 41759), (97, 41798), (101, 41828), (104, 41864), (118, 41975), (120, 42005), (121, 42008), (128, 42074), (145, 42233), (151, 42281), (154, 42299), (163, 42347), (182, 42491), (189, 42551), (204, 42656), (212, 42743),

Gene: Selr12_49 Start: 41435, Stop: 42790, Start Num: 46
Candidate Starts for Selr12_49:
(Start: 46 @41435 has 280 MA's), (54, 41486), (58, 41519), (78, 41648), (79, 41651), (81, 41666), (95, 41762), (97, 41801), (101, 41831), (104, 41867), (118, 41978), (120, 42008), (121, 42011), (128, 42077), (145, 42236), (151, 42284), (154, 42302), (163, 42350), (182, 42494), (189, 42554), (204, 42659), (212, 42746),

Gene: Serendipity_49 Start: 41720, Stop: 43075, Start Num: 46
Candidate Starts for Serendipity_49:
(Start: 46 @41720 has 280 MA's), (54, 41771), (58, 41804), (78, 41933), (79, 41936), (81, 41951), (95, 42047), (97, 42086), (101, 42116), (104, 42152), (118, 42263), (120, 42293), (121, 42296), (128, 42362), (145, 42521), (151, 42569), (154, 42587), (163, 42635), (182, 42779), (189, 42839), (204, 42944), (212, 43031),

Gene: Serpentine_0049 Start: 41719, Stop: 43074, Start Num: 46
Candidate Starts for Serpentine_0049:

(Start: 46 @41719 has 280 MA's), (54, 41770), (58, 41803), (78, 41932), (79, 41935), (81, 41950), (95, 42046), (97, 42085), (101, 42115), (104, 42151), (118, 42262), (120, 42292), (121, 42295), (128, 42361), (145, 42520), (151, 42568), (154, 42586), (163, 42634), (182, 42778), (189, 42838), (204, 42943), (212, 43030),

Gene: ShaboiShabazz_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for ShaboiShabazz_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: ShadowBud_49 Start: 41730, Stop: 43085, Start Num: 46
Candidate Starts for ShadowBud_49:
(Start: 46 @41730 has 280 MA's), (54, 41781), (58, 41814), (78, 41943), (79, 41946), (81, 41961), (95, 42057), (97, 42096), (101, 42126), (104, 42162), (118, 42273), (120, 42303), (121, 42306), (128, 42372), (145, 42531), (151, 42579), (154, 42597), (163, 42645), (182, 42789), (189, 42849), (204, 42954), (212, 43041),

Gene: Sheila_49 Start: 41745, Stop: 43100, Start Num: 46
Candidate Starts for Sheila_49:
(Start: 46 @41745 has 280 MA's), (54, 41796), (58, 41829), (78, 41958), (79, 41961), (81, 41976), (95, 42072), (97, 42111), (101, 42141), (104, 42177), (118, 42288), (120, 42318), (121, 42321), (128, 42387), (145, 42546), (151, 42594), (154, 42612), (163, 42660), (182, 42804), (189, 42864), (204, 42969), (212, 43056),

Gene: ShiVal_49 Start: 41706, Stop: 43058, Start Num: 46
Candidate Starts for ShiVal_49:
(Start: 46 @41706 has 280 MA's), (54, 41757), (58, 41790), (78, 41919), (79, 41922), (81, 41937), (95, 42033), (97, 42072), (101, 42102), (104, 42138), (118, 42249), (120, 42279), (121, 42282), (128, 42348), (145, 42507), (151, 42555), (154, 42573), (163, 42621), (182, 42762), (189, 42822), (204, 42927), (212, 43014),

Gene: Shipwreck_29 Start: 25866, Stop: 27032, Start Num: 55
Candidate Starts for Shipwreck_29:
(27, 25332), (30, 25380), (34, 25485), (Start: 55 @25866 has 53 MA's), (57, 25875), (64, 25920), (65, 25923), (78, 26010), (86, 26055), (95, 26130), (96, 26151), (97, 26169), (104, 26235), (108, 26274), (109, 26286), (118, 26340), (120, 26370), (126, 26391), (128, 26436), (138, 26532), (144, 26571), (145, 26586), (146, 26598), (151, 26625), (169, 26712), (173, 26730), (175, 26736), (183, 26784), (189, 26805), (201, 26877), (208, 26952),

Gene: Sigman_50 Start: 41830, Stop: 43185, Start Num: 46
Candidate Starts for Sigman_50:
(Start: 46 @41830 has 280 MA's), (54, 41881), (58, 41914), (78, 42043), (79, 42046), (81, 42061), (95, 42157), (97, 42196), (101, 42226), (104, 42262), (118, 42373), (120, 42403), (121, 42406), (128, 42472), (145, 42631), (151, 42679), (154, 42697), (163, 42745), (182, 42889), (189, 42949), (204, 43054), (212, 43141),

Gene: SilverBell_49 Start: 41725, Stop: 43080, Start Num: 46
Candidate Starts for SilverBell_49:
(Start: 46 @41725 has 280 MA's), (54, 41776), (58, 41809), (78, 41938), (79, 41941), (81, 41956), (95, 42052), (97, 42091), (101, 42121), (104, 42157), (118, 42268), (120, 42298), (121, 42301), (128, 42367), (145, 42526), (151, 42574), (154, 42592), (163, 42640), (182, 42784), (189, 42844), (204,

42949), (212, 43036),

Gene: Simielle_48 Start: 41389, Stop: 42744, Start Num: 46
Candidate Starts for Simielle_48:
(Start: 46 @41389 has 280 MA's), (54, 41440), (58, 41473), (78, 41602), (79, 41605), (81, 41620), (95, 41716), (97, 41755), (101, 41785), (104, 41821), (118, 41932), (120, 41962), (121, 41965), (128, 42031), (145, 42190), (151, 42238), (154, 42256), (163, 42304), (182, 42448), (189, 42508), (204, 42613), (212, 42700),

Gene: SirBeauregard_49 Start: 41402, Stop: 42757, Start Num: 46
Candidate Starts for SirBeauregard_49:
(Start: 46 @41402 has 280 MA's), (54, 41453), (58, 41486), (78, 41615), (79, 41618), (81, 41633), (95, 41729), (97, 41768), (101, 41798), (104, 41834), (118, 41945), (120, 41975), (121, 41978), (128, 42044), (145, 42203), (151, 42251), (154, 42269), (163, 42317), (182, 42461), (189, 42521), (204, 42626), (212, 42713),

Gene: Sizemore_28 Start: 25202, Stop: 26410, Start Num: 50
Candidate Starts for Sizemore_28:
(41, 25109), (Start: 50 @25202 has 69 MA's), (76, 25376), (85, 25448), (97, 25547), (98, 25556), (100, 25568), (102, 25580), (103, 25589), (104, 25613), (106, 25634), (108, 25661), (109, 25673), (118, 25745), (123, 25784), (145, 25973), (148, 25997), (151, 26012), (155, 26033), (163, 26078), (164, 26081), (180, 26132),

Gene: Skippy_49 Start: 41690, Stop: 43045, Start Num: 46
Candidate Starts for Skippy_49:
(Start: 46 @41690 has 280 MA's), (54, 41741), (58, 41774), (78, 41903), (79, 41906), (81, 41921), (95, 42017), (97, 42056), (101, 42086), (104, 42122), (118, 42233), (120, 42263), (121, 42266), (128, 42332), (145, 42491), (151, 42539), (154, 42557), (163, 42605), (182, 42749), (189, 42809), (204, 42914), (212, 43001),

Gene: Slatt_49 Start: 41716, Stop: 43071, Start Num: 46
Candidate Starts for Slatt_49:
(Start: 46 @41716 has 280 MA's), (54, 41767), (58, 41800), (78, 41929), (79, 41932), (81, 41947), (95, 42043), (97, 42082), (101, 42112), (104, 42148), (118, 42259), (120, 42289), (121, 42292), (128, 42358), (145, 42517), (151, 42565), (154, 42583), (163, 42631), (182, 42775), (189, 42835), (204, 42940), (212, 43027),

Gene: Smeadley_8 Start: 4870, Stop: 5679, Start Num: 92
Candidate Starts for Smeadley_8:
(Start: 92 @4870 has 49 MA's), (100, 4954), (104, 4999), (109, 5059), (116, 5125), (145, 5359), (151, 5398), (154, 5416), (160, 5449), (164, 5467), (196, 5512), (203, 5536), (215, 5665),

Gene: Sneeze_28 Start: 25283, Stop: 26491, Start Num: 50
Candidate Starts for Sneeze_28:
(41, 25190), (Start: 50 @25283 has 69 MA's), (76, 25457), (85, 25529), (97, 25628), (98, 25637), (102, 25661), (103, 25670), (104, 25694), (106, 25715), (108, 25742), (109, 25754), (118, 25826), (123, 25865), (145, 26054), (151, 26093), (155, 26114), (162, 26153), (163, 26159),

Gene: Soile_49 Start: 41419, Stop: 42774, Start Num: 46
Candidate Starts for Soile_49:
(Start: 46 @41419 has 280 MA's), (54, 41470), (58, 41503), (61, 41521), (78, 41632), (79, 41635), (81, 41650), (95, 41746), (97, 41785), (101, 41815), (104, 41851), (118, 41962), (120, 41992), (121, 41995), (128, 42061), (145, 42220), (151, 42268), (154, 42286), (163, 42334), (182, 42478), (189,

42538), (204, 42643), (212, 42730),

Gene: Solosis_48 Start: 41417, Stop: 42772, Start Num: 46
Candidate Starts for Solosis_48:
(Start: 46 @41417 has 280 MA's), (54, 41468), (58, 41501), (78, 41630), (79, 41633), (81, 41648), (95, 41744), (97, 41783), (101, 41813), (104, 41849), (118, 41960), (120, 41990), (121, 41993), (128, 42059), (145, 42218), (151, 42266), (154, 42284), (163, 42332), (182, 42476), (189, 42536), (204, 42641), (212, 42728),

Gene: Sonah_27 Start: 24039, Stop: 25205, Start Num: 55
Candidate Starts for Sonah_27:
(Start: 55 @24039 has 53 MA's), (64, 24093), (65, 24096), (78, 24183), (86, 24228), (95, 24303), (96, 24324), (97, 24342), (104, 24408), (108, 24447), (118, 24513), (120, 24543), (126, 24564), (128, 24609), (138, 24705), (144, 24744), (145, 24759), (151, 24798), (169, 24885), (173, 24903), (175, 24909), (183, 24957), (189, 24978), (201, 25050), (208, 25125),

Gene: Sophia_48 Start: 41411, Stop: 42766, Start Num: 46
Candidate Starts for Sophia_48:
(Start: 46 @41411 has 280 MA's), (54, 41462), (58, 41495), (61, 41513), (78, 41624), (79, 41627), (81, 41642), (95, 41738), (97, 41777), (101, 41807), (104, 41843), (118, 41954), (120, 41984), (121, 41987), (128, 42053), (145, 42212), (151, 42260), (154, 42278), (163, 42326), (182, 42470), (189, 42530), (204, 42635), (212, 42722),

Gene: Soto_49 Start: 41717, Stop: 43072, Start Num: 46
Candidate Starts for Soto_49:
(Start: 46 @41717 has 280 MA's), (54, 41768), (58, 41801), (61, 41819), (78, 41930), (79, 41933), (81, 41948), (95, 42044), (97, 42083), (101, 42113), (104, 42149), (118, 42260), (120, 42290), (121, 42293), (128, 42359), (145, 42518), (151, 42566), (154, 42584), (163, 42632), (182, 42776), (189, 42836), (204, 42941), (212, 43028),

Gene: Spartan300_49 Start: 41702, Stop: 43057, Start Num: 46
Candidate Starts for Spartan300_49:
(Start: 46 @41702 has 280 MA's), (54, 41753), (58, 41786), (78, 41915), (79, 41918), (81, 41933), (95, 42029), (97, 42068), (101, 42098), (104, 42134), (118, 42245), (120, 42275), (121, 42278), (128, 42344), (145, 42503), (151, 42551), (154, 42569), (163, 42617), (182, 42761), (189, 42821), (204, 42926), (212, 43013),

Gene: Squid_49 Start: 41423, Stop: 42778, Start Num: 46
Candidate Starts for Squid_49:
(Start: 46 @41423 has 280 MA's), (54, 41474), (58, 41507), (61, 41525), (78, 41636), (79, 41639), (81, 41654), (95, 41750), (97, 41789), (101, 41819), (104, 41855), (118, 41966), (120, 41996), (121, 41999), (128, 42065), (145, 42224), (151, 42272), (154, 42290), (163, 42338), (182, 42482), (189, 42542), (204, 42647), (212, 42734),

Gene: Squiggle_49 Start: 41426, Stop: 42781, Start Num: 46
Candidate Starts for Squiggle_49:
(Start: 46 @41426 has 280 MA's), (54, 41477), (58, 41510), (78, 41639), (79, 41642), (81, 41657), (95, 41753), (97, 41792), (101, 41822), (104, 41858), (118, 41969), (120, 41999), (121, 42002), (128, 42068), (145, 42227), (151, 42275), (154, 42293), (163, 42341), (182, 42485), (189, 42545), (204, 42650), (212, 42737),

Gene: Stargaze_28 Start: 26950, Stop: 28173, Start Num: 50
Candidate Starts for Stargaze_28:

(1, 25669), (12, 26116), (13, 26167), (21, 26383), (28, 26503), (29, 26530), (32, 26572), (Start: 50 @26950 has 69 MA's), (73, 27112), (79, 27154), (85, 27196), (91, 27232), (95, 27268), (103, 27349), (104, 27373), (108, 27421), (111, 27445), (118, 27505), (119, 27532), (123, 27544), (130, 27622), (145, 27733), (151, 27772), (161, 27826), (213, 28135),

Gene: Stephig9_8 Start: 4838, Stop: 5647, Start Num: 92
Candidate Starts for Stephig9_8:
(Start: 92 @4838 has 49 MA's), (100, 4922), (104, 4967), (109, 5027), (116, 5093), (145, 5327), (147, 5345), (151, 5366), (154, 5384), (160, 5417), (164, 5435), (196, 5480), (203, 5504), (215, 5633),

Gene: StevieRay_27 Start: 24031, Stop: 25197, Start Num: 55
Candidate Starts for StevieRay_27:
(Start: 55 @24031 has 53 MA's), (65, 24088), (78, 24175), (86, 24220), (95, 24295), (96, 24316), (104, 24400), (108, 24439), (109, 24451), (118, 24505), (120, 24535), (126, 24556), (128, 24601), (138, 24697), (144, 24736), (145, 24751), (151, 24790), (169, 24877), (173, 24895), (175, 24901), (183, 24949), (189, 24970), (201, 25042), (208, 25117),

Gene: StressBall_27 Start: 24311, Stop: 25477, Start Num: 55
Candidate Starts for StressBall_27:
(15, 23558), (23, 23729), (30, 23825), (34, 23930), (Start: 55 @24311 has 53 MA's), (57, 24320), (64, 24365), (65, 24368), (78, 24455), (86, 24500), (95, 24575), (96, 24596), (97, 24614), (104, 24680), (108, 24719), (118, 24785), (120, 24815), (126, 24836), (128, 24881), (138, 24977), (144, 25016), (145, 25031), (151, 25070), (169, 25157), (173, 25175), (175, 25181), (183, 25229), (201, 25322), (208, 25397),

Gene: Struggle_48 Start: 41258, Stop: 42613, Start Num: 46
Candidate Starts for Struggle_48:
(Start: 46 @41258 has 280 MA's), (54, 41309), (58, 41342), (78, 41471), (79, 41474), (81, 41489), (95, 41585), (97, 41624), (101, 41654), (104, 41690), (118, 41801), (120, 41831), (121, 41834), (128, 41900), (145, 42059), (151, 42107), (154, 42125), (163, 42173), (182, 42317), (189, 42377), (204, 42482), (212, 42569),

Gene: Stuck_30 Start: 24571, Stop: 25755, Start Num: 55
Candidate Starts for Stuck_30:
(45, 24451), (Start: 55 @24571 has 53 MA's), (63, 24613), (78, 24718), (86, 24772), (95, 24847), (96, 24868), (102, 24919), (104, 24952), (108, 24991), (118, 25057), (126, 25108), (128, 25153), (129, 25168), (138, 25249), (144, 25288), (145, 25303), (151, 25342), (169, 25429), (173, 25447), (183, 25507), (185, 25516), (189, 25528), (191, 25534), (201, 25600), (208, 25675), (215, 25738),

Gene: Suffolk_49 Start: 41707, Stop: 43062, Start Num: 46
Candidate Starts for Suffolk_49:
(Start: 46 @41707 has 280 MA's), (54, 41758), (58, 41791), (78, 41920), (79, 41923), (81, 41938), (95, 42034), (97, 42073), (101, 42103), (104, 42139), (118, 42250), (120, 42280), (121, 42283), (128, 42349), (145, 42508), (151, 42556), (154, 42574), (163, 42622), (182, 42766), (189, 42826), (204, 42931), (212, 43018),

Gene: Surely_49 Start: 41713, Stop: 43068, Start Num: 46
Candidate Starts for Surely_49:
(Start: 46 @41713 has 280 MA's), (54, 41764), (58, 41797), (78, 41926), (79, 41929), (81, 41944), (95, 42040), (97, 42079), (101, 42109), (104, 42145), (118, 42256), (120, 42286), (121, 42289), (128, 42355), (145, 42514), (151, 42562), (154, 42580), (163, 42628), (182, 42772), (189, 42832), (204, 42937), (208, 42991), (212, 43024),

Gene: Sweets_28 Start: 25196, Stop: 26404, Start Num: 50
Candidate Starts for Sweets_28:
(41, 25103), (Start: 50 @25196 has 69 MA's), (76, 25370), (85, 25442), (97, 25541), (98, 25550), (102, 25574), (103, 25583), (104, 25607), (106, 25628), (108, 25655), (109, 25667), (118, 25739), (123, 25778), (145, 25967), (148, 25991), (151, 26006), (155, 26027), (163, 26072), (164, 26075), (180, 26126),

Gene: Swiphy_49 Start: 41708, Stop: 43063, Start Num: 46
Candidate Starts for Swiphy_49:
(Start: 46 @41708 has 280 MA's), (54, 41759), (58, 41792), (78, 41921), (79, 41924), (81, 41939), (95, 42035), (97, 42074), (101, 42104), (104, 42140), (118, 42251), (120, 42281), (121, 42284), (128, 42350), (145, 42509), (151, 42557), (154, 42575), (163, 42623), (182, 42767), (189, 42827), (204, 42932), (212, 43019),

Gene: Swirley_8 Start: 5325, Stop: 6134, Start Num: 92
Candidate Starts for Swirley_8:
(Start: 92 @5325 has 49 MA's), (97, 5388), (98, 5397), (104, 5454), (108, 5502), (117, 5583), (139, 5772), (145, 5814), (154, 5871), (162, 5913), (215, 6120),

Gene: Swish_50 Start: 41831, Stop: 43207, Start Num: 46
Candidate Starts for Swish_50:
(Start: 46 @41831 has 280 MA's), (54, 41882), (58, 41915), (78, 42044), (79, 42047), (81, 42062), (95, 42158), (97, 42197), (101, 42227), (104, 42263), (118, 42374), (120, 42404), (121, 42407), (128, 42473), (145, 42632), (151, 42680), (154, 42698), (163, 42746), (182, 42911), (189, 42971), (204, 43076), (212, 43163),

Gene: SydNat_8 Start: 5432, Stop: 6241, Start Num: 92
Candidate Starts for SydNat_8:
(Start: 92 @5432 has 49 MA's), (97, 5495), (98, 5504), (104, 5561), (108, 5609), (114, 5666), (117, 5690), (139, 5879), (145, 5921), (154, 5978), (215, 6227),

Gene: Taheera_28 Start: 25310, Stop: 26527, Start Num: 50
Candidate Starts for Taheera_28:
(2, 24155), (4, 24215), (7, 24341), (8, 24374), (11, 24458), (19, 24761), (20, 24767), (22, 24818), (25, 24854), (26, 24872), (31, 24938), (38, 25166), (41, 25217), (Start: 50 @25310 has 69 MA's), (76, 25484), (85, 25556), (95, 25625), (97, 25664), (102, 25697), (103, 25706), (104, 25730), (108, 25778), (111, 25802), (123, 25901), (128, 25943), (145, 26090), (151, 26129), (155, 26150), (162, 26189), (163, 26195),

Gene: TallGrassMM_49 Start: 41326, Stop: 42681, Start Num: 46
Candidate Starts for TallGrassMM_49:
(Start: 46 @41326 has 280 MA's), (54, 41377), (58, 41410), (78, 41539), (79, 41542), (81, 41557), (95, 41653), (97, 41692), (101, 41722), (104, 41758), (118, 41869), (120, 41899), (121, 41902), (128, 41968), (145, 42127), (151, 42175), (154, 42193), (163, 42241), (182, 42385), (189, 42445), (204, 42550), (212, 42637),

Gene: Tarynearal_7 Start: 5352, Stop: 6161, Start Num: 92
Candidate Starts for Tarynearal_7:
(Start: 92 @5352 has 49 MA's), (97, 5415), (98, 5424), (104, 5481), (108, 5529), (117, 5610), (139, 5799), (145, 5841), (154, 5898), (162, 5940), (215, 6147),

Gene: Techage_27 Start: 24043, Stop: 25209, Start Num: 55
Candidate Starts for Techage_27:

(Start: 55 @24043 has 53 MA's), (65, 24100), (78, 24187), (86, 24232), (87, 24235), (95, 24307), (96, 24328), (104, 24412), (108, 24451), (118, 24517), (120, 24547), (126, 24568), (128, 24613), (138, 24709), (144, 24748), (145, 24763), (151, 24802), (169, 24889), (173, 24907), (175, 24913), (183, 24961), (189, 24982), (201, 25054), (208, 25129),

Gene: Telesworld_48 Start: 41405, Stop: 42760, Start Num: 46
Candidate Starts for Telesworld_48:
(Start: 46 @41405 has 280 MA's), (54, 41456), (58, 41489), (78, 41618), (79, 41621), (81, 41636), (95, 41732), (97, 41771), (101, 41801), (104, 41837), (118, 41948), (120, 41978), (121, 41981), (128, 42047), (145, 42206), (151, 42254), (154, 42272), (163, 42320), (182, 42464), (189, 42524), (204, 42629), (212, 42716),

Gene: Terror_28 Start: 25310, Stop: 26527, Start Num: 50
Candidate Starts for Terror_28:
(2, 24155), (4, 24215), (7, 24341), (8, 24374), (11, 24458), (19, 24761), (20, 24767), (22, 24818), (25, 24854), (26, 24872), (31, 24938), (38, 25166), (41, 25217), (Start: 50 @25310 has 69 MA's), (76, 25484), (85, 25556), (95, 25625), (97, 25664), (102, 25697), (103, 25706), (104, 25730), (108, 25778), (111, 25802), (123, 25901), (128, 25943), (145, 26090), (151, 26129), (155, 26150), (162, 26189), (163, 26195),

Gene: Theia_7 Start: 5291, Stop: 6100, Start Num: 92
Candidate Starts for Theia_7:
(Start: 92 @5291 has 49 MA's), (97, 5354), (98, 5363), (104, 5420), (108, 5468), (139, 5738), (145, 5780), (154, 5837), (162, 5879), (215, 6086),

Gene: Thespis_27 Start: 24047, Stop: 25213, Start Num: 55
Candidate Starts for Thespis_27:
(5, 22928), (9, 23081), (15, 23294), (30, 23561), (34, 23666), (Start: 55 @24047 has 53 MA's), (57, 24056), (64, 24101), (65, 24104), (78, 24191), (86, 24236), (95, 24311), (96, 24332), (104, 24416), (108, 24455), (118, 24521), (120, 24551), (126, 24572), (128, 24617), (138, 24713), (144, 24752), (145, 24767), (146, 24779), (151, 24806), (168, 24890), (169, 24893), (173, 24911), (175, 24917), (183, 24965), (195, 25010), (201, 25058), (208, 25133),

Gene: Thora_49 Start: 41712, Stop: 43067, Start Num: 46
Candidate Starts for Thora_49:
(Start: 46 @41712 has 280 MA's), (54, 41763), (58, 41796), (78, 41925), (79, 41928), (81, 41943), (95, 42039), (97, 42078), (101, 42108), (104, 42144), (118, 42255), (120, 42285), (121, 42288), (128, 42354), (145, 42513), (151, 42561), (154, 42579), (163, 42627), (182, 42771), (189, 42831), (204, 42936), (208, 42990), (212, 43023),

Gene: ThreeOh3D2_50 Start: 41845, Stop: 43200, Start Num: 46
Candidate Starts for ThreeOh3D2_50:
(Start: 46 @41845 has 280 MA's), (54, 41896), (58, 41929), (78, 42058), (79, 42061), (81, 42076), (95, 42172), (97, 42211), (101, 42241), (104, 42277), (118, 42388), (120, 42418), (121, 42421), (128, 42487), (145, 42646), (151, 42694), (154, 42712), (163, 42760), (182, 42904), (189, 42964), (204, 43069), (208, 43123), (212, 43156),

Gene: Thunderbird_48 Start: 41413, Stop: 42768, Start Num: 46
Candidate Starts for Thunderbird_48:
(Start: 46 @41413 has 280 MA's), (54, 41464), (58, 41497), (78, 41626), (79, 41629), (81, 41644), (95, 41740), (97, 41779), (101, 41809), (104, 41845), (118, 41956), (120, 41986), (121, 41989), (128, 42055), (145, 42214), (151, 42262), (154, 42280), (163, 42328), (182, 42472), (189, 42532), (204, 42637), (212, 42724),

Gene: Tiger_8 Start: 5172, Stop: 5981, Start Num: 92
Candidate Starts for Tiger_8:
(Start: 92 @5172 has 49 MA's), (97, 5235), (98, 5244), (101, 5265), (104, 5301), (108, 5349), (114, 5406), (117, 5430), (145, 5661), (154, 5718), (215, 5967),

Gene: Timmi_48 Start: 41412, Stop: 42767, Start Num: 46
Candidate Starts for Timmi_48:
(Start: 46 @41412 has 280 MA's), (54, 41463), (58, 41496), (78, 41625), (79, 41628), (81, 41643), (95, 41739), (97, 41778), (101, 41808), (104, 41844), (118, 41955), (120, 41985), (121, 41988), (128, 42054), (145, 42213), (151, 42261), (154, 42279), (163, 42327), (182, 42471), (189, 42531), (204, 42636), (212, 42723),

Gene: TinaBug_28 Start: 25196, Stop: 26404, Start Num: 50
Candidate Starts for TinaBug_28:
(41, 25103), (Start: 50 @25196 has 69 MA's), (76, 25370), (85, 25442), (97, 25541), (98, 25550), (100, 25562), (102, 25574), (103, 25583), (104, 25607), (106, 25628), (108, 25655), (109, 25667), (118, 25739), (123, 25778), (145, 25967), (148, 25991), (151, 26006), (155, 26027), (163, 26072), (164, 26075), (180, 26126),

Gene: TipsytheTRex_10 Start: 5561, Stop: 6493, Start Num: 93
Candidate Starts for TipsytheTRex_10:
(Start: 93 @5561 has 3 MA's), (101, 5651), (104, 5687), (108, 5735), (128, 5888), (145, 6035), (146, 6047), (151, 6074), (172, 6167), (174, 6182), (180, 6203), (198, 6308), (200, 6332),

Gene: TomBombadil_49 Start: 41697, Stop: 43052, Start Num: 46
Candidate Starts for TomBombadil_49:
(Start: 46 @41697 has 280 MA's), (54, 41748), (58, 41781), (78, 41910), (79, 41913), (81, 41928), (95, 42024), (97, 42063), (101, 42093), (104, 42129), (118, 42240), (120, 42270), (121, 42273), (128, 42339), (145, 42498), (151, 42546), (154, 42564), (163, 42612), (182, 42756), (189, 42816), (204, 42921), (212, 43008),

Gene: TomBrady_28 Start: 25202, Stop: 26410, Start Num: 50
Candidate Starts for TomBrady_28:
(41, 25109), (Start: 50 @25202 has 69 MA's), (76, 25376), (85, 25448), (97, 25547), (98, 25556), (102, 25580), (103, 25589), (104, 25613), (106, 25634), (108, 25661), (109, 25673), (118, 25745), (123, 25784), (145, 25973), (148, 25997), (151, 26012), (155, 26033), (163, 26078), (164, 26081), (180, 26132),

Gene: Tomlarah_49 Start: 41700, Stop: 43055, Start Num: 46
Candidate Starts for Tomlarah_49:
(Start: 46 @41700 has 280 MA's), (54, 41751), (58, 41784), (78, 41913), (79, 41916), (81, 41931), (95, 42027), (97, 42066), (101, 42096), (104, 42132), (118, 42243), (120, 42273), (121, 42276), (128, 42342), (145, 42501), (151, 42549), (154, 42567), (163, 42615), (182, 42759), (189, 42819), (204, 42924), (212, 43011),

Gene: Toni_48 Start: 41404, Stop: 42759, Start Num: 46
Candidate Starts for Toni_48:
(Start: 46 @41404 has 280 MA's), (54, 41455), (58, 41488), (78, 41617), (79, 41620), (81, 41635), (95, 41731), (97, 41770), (101, 41800), (104, 41836), (118, 41947), (120, 41977), (121, 41980), (128, 42046), (145, 42205), (151, 42253), (154, 42271), (163, 42319), (182, 42463), (189, 42523), (204, 42628), (212, 42715),

Gene: TooFast2Furius_52 Start: 41942, Stop: 43297, Start Num: 46
Candidate Starts for TooFast2Furius_52:
(Start: 46 @41942 has 280 MA's), (54, 41993), (58, 42026), (78, 42155), (79, 42158), (81, 42173), (95, 42269), (97, 42308), (101, 42338), (104, 42374), (118, 42485), (120, 42515), (121, 42518), (128, 42584), (145, 42743), (151, 42791), (154, 42809), (163, 42857), (182, 43001), (189, 43061), (204, 43166), (212, 43253),

Gene: Tooj_49 Start: 41779, Stop: 43134, Start Num: 46
Candidate Starts for Tooj_49:
(Start: 46 @41779 has 280 MA's), (54, 41830), (58, 41863), (78, 41992), (79, 41995), (81, 42010), (95, 42106), (97, 42145), (101, 42175), (104, 42211), (118, 42322), (120, 42352), (121, 42355), (128, 42421), (145, 42580), (151, 42628), (154, 42646), (163, 42694), (182, 42838), (189, 42898), (204, 43003), (208, 43057), (212, 43090),

Gene: Triad_49 Start: 40583, Stop: 41938, Start Num: 46
Candidate Starts for Triad_49:
(Start: 46 @40583 has 280 MA's), (54, 40634), (58, 40667), (78, 40796), (79, 40799), (81, 40814), (95, 40910), (97, 40949), (101, 40979), (104, 41015), (118, 41126), (120, 41156), (121, 41159), (128, 41225), (145, 41384), (151, 41432), (154, 41450), (163, 41498), (182, 41642), (189, 41702), (204, 41807), (212, 41894),

Gene: True_48 Start: 41410, Stop: 42765, Start Num: 46
Candidate Starts for True_48:
(Start: 46 @41410 has 280 MA's), (54, 41461), (58, 41494), (78, 41623), (79, 41626), (81, 41641), (95, 41737), (97, 41776), (101, 41806), (104, 41842), (118, 41953), (120, 41983), (121, 41986), (128, 42052), (145, 42211), (151, 42259), (154, 42277), (163, 42325), (182, 42469), (189, 42529), (204, 42634), (212, 42721),

Gene: Trypo_50 Start: 41841, Stop: 43196, Start Num: 46
Candidate Starts for Trypo_50:
(Start: 46 @41841 has 280 MA's), (54, 41892), (58, 41925), (78, 42054), (79, 42057), (81, 42072), (95, 42168), (97, 42207), (101, 42237), (104, 42273), (118, 42384), (120, 42414), (121, 42417), (128, 42483), (145, 42642), (151, 42690), (154, 42708), (163, 42756), (182, 42900), (189, 42960), (204, 43065), (212, 43152),

Gene: Twigg_8 Start: 5324, Stop: 6133, Start Num: 92
Candidate Starts for Twigg_8:
(Start: 92 @5324 has 49 MA's), (97, 5387), (98, 5396), (104, 5453), (108, 5501), (117, 5582), (139, 5771), (145, 5813), (154, 5870), (162, 5912), (215, 6119),

Gene: Typha_32 Start: 29089, Stop: 30312, Start Num: 50
Candidate Starts for Typha_32:
(Start: 50 @29089 has 69 MA's), (61, 29185), (64, 29209), (71, 29236), (76, 29269), (79, 29299), (95, 29404), (97, 29443), (98, 29452), (102, 29476), (104, 29509), (108, 29557), (109, 29569), (118, 29641), (127, 29698), (135, 29785), (145, 29872), (146, 29884), (151, 29911), (154, 29929), (155, 29932), (157, 29941), (180, 30031), (199, 30136), (207, 30223), (208, 30232),

Gene: TyrionL_48 Start: 41266, Stop: 42621, Start Num: 46
Candidate Starts for TyrionL_48:
(Start: 46 @41266 has 280 MA's), (54, 41317), (58, 41350), (78, 41479), (79, 41482), (81, 41497), (95, 41593), (97, 41632), (101, 41662), (104, 41698), (118, 41809), (120, 41839), (121, 41842), (128, 41908), (145, 42067), (151, 42115), (154, 42133), (163, 42181), (182, 42325), (189, 42385), (204, 42490), (212, 42577),

Gene: UAch1_49 Start: 41734, Stop: 43089, Start Num: 46
Candidate Starts for UAch1_49:
(Start: 46 @41734 has 280 MA's), (54, 41785), (58, 41818), (78, 41947), (79, 41950), (81, 41965), (95, 42061), (97, 42100), (101, 42130), (104, 42166), (118, 42277), (120, 42307), (121, 42310), (128, 42376), (145, 42535), (151, 42583), (154, 42601), (163, 42649), (182, 42793), (189, 42853), (204, 42958), (212, 43045),

Gene: Ubuntu_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Ubuntu_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: UncleHowie_49 Start: 41409, Stop: 42764, Start Num: 46
Candidate Starts for UncleHowie_49:
(Start: 46 @41409 has 280 MA's), (54, 41460), (58, 41493), (78, 41622), (79, 41625), (81, 41640), (95, 41736), (97, 41775), (101, 41805), (104, 41841), (118, 41952), (120, 41982), (121, 41985), (128, 42051), (145, 42210), (151, 42258), (154, 42276), (163, 42324), (182, 42468), (189, 42528), (204, 42633), (212, 42720),

Gene: UnionJack_8 Start: 4891, Stop: 5700, Start Num: 92
Candidate Starts for UnionJack_8:
(Start: 92 @4891 has 49 MA's), (98, 4963), (104, 5020), (108, 5068), (117, 5149), (139, 5338), (145, 5380), (154, 5437), (215, 5686),

Gene: Usavi_49 Start: 41708, Stop: 43063, Start Num: 46
Candidate Starts for Usavi_49:
(Start: 46 @41708 has 280 MA's), (54, 41759), (58, 41792), (78, 41921), (79, 41924), (81, 41939), (95, 42035), (97, 42074), (101, 42104), (104, 42140), (118, 42251), (120, 42281), (121, 42284), (128, 42350), (145, 42509), (151, 42557), (154, 42575), (163, 42623), (182, 42767), (189, 42827), (204, 42932), (212, 43019),

Gene: Vaishali24_48 Start: 41380, Stop: 42735, Start Num: 46
Candidate Starts for Vaishali24_48:
(Start: 46 @41380 has 280 MA's), (54, 41431), (58, 41464), (78, 41593), (79, 41596), (81, 41611), (95, 41707), (97, 41746), (101, 41776), (104, 41812), (118, 41923), (120, 41953), (121, 41956), (128, 42022), (145, 42181), (151, 42229), (154, 42247), (163, 42295), (182, 42439), (189, 42499), (204, 42604), (212, 42691),

Gene: Valjean_49 Start: 41705, Stop: 43060, Start Num: 46
Candidate Starts for Valjean_49:
(Start: 46 @41705 has 280 MA's), (54, 41756), (58, 41789), (78, 41918), (79, 41921), (81, 41936), (95, 42032), (97, 42071), (101, 42101), (104, 42137), (118, 42248), (120, 42278), (121, 42281), (128, 42347), (145, 42506), (151, 42554), (154, 42572), (163, 42620), (182, 42764), (189, 42824), (204, 42929), (212, 43016),

Gene: Vaticameos_45 Start: 39391, Stop: 40746, Start Num: 46
Candidate Starts for Vaticameos_45:
(Start: 46 @39391 has 280 MA's), (54, 39442), (58, 39475), (78, 39604), (79, 39607), (81, 39622), (95, 39718), (97, 39757), (101, 39787), (104, 39823), (118, 39934), (120, 39964), (121, 39967), (128,

40033), (145, 40192), (151, 40240), (154, 40258), (163, 40306), (182, 40450), (189, 40510), (204, 40615), (212, 40702),

Gene: Venti_27 Start: 24052, Stop: 25218, Start Num: 55
Candidate Starts for Venti_27:
(Start: 55 @24052 has 53 MA's), (65, 24109), (78, 24196), (86, 24241), (95, 24316), (96, 24337), (104, 24421), (108, 24460), (118, 24526), (120, 24556), (126, 24577), (128, 24622), (138, 24718), (144, 24757), (145, 24772), (146, 24784), (151, 24811), (169, 24898), (173, 24916), (175, 24922), (183, 24970), (189, 24991), (201, 25063), (208, 25138),

Gene: Veritas_48 Start: 41287, Stop: 42642, Start Num: 46
Candidate Starts for Veritas_48:
(Start: 46 @41287 has 280 MA's), (54, 41338), (58, 41371), (78, 41500), (79, 41503), (81, 41518), (95, 41614), (97, 41653), (101, 41683), (104, 41719), (118, 41830), (120, 41860), (121, 41863), (128, 41929), (145, 42088), (151, 42136), (154, 42154), (163, 42202), (182, 42346), (189, 42406), (204, 42511), (212, 42598),

Gene: Vidya_27 Start: 24052, Stop: 25218, Start Num: 55
Candidate Starts for Vidya_27:
(Start: 55 @24052 has 53 MA's), (65, 24109), (78, 24196), (86, 24241), (95, 24316), (96, 24337), (104, 24421), (108, 24460), (118, 24526), (120, 24556), (126, 24577), (128, 24622), (138, 24718), (144, 24757), (145, 24772), (146, 24784), (151, 24811), (169, 24898), (173, 24916), (175, 24922), (183, 24970), (189, 24991), (201, 25063), (208, 25138),

Gene: Virapocalypse_49 Start: 41700, Stop: 43055, Start Num: 46
Candidate Starts for Virapocalypse_49:
(Start: 46 @41700 has 280 MA's), (54, 41751), (58, 41784), (78, 41913), (79, 41916), (81, 41931), (95, 42027), (97, 42066), (101, 42096), (104, 42132), (118, 42243), (120, 42273), (121, 42276), (128, 42342), (145, 42501), (151, 42549), (154, 42567), (163, 42615), (182, 42759), (189, 42819), (204, 42924), (212, 43011),

Gene: Virgeve_48 Start: 41477, Stop: 42832, Start Num: 46
Candidate Starts for Virgeve_48:
(Start: 46 @41477 has 280 MA's), (54, 41528), (58, 41561), (78, 41690), (79, 41693), (81, 41708), (95, 41804), (97, 41843), (101, 41873), (104, 41909), (118, 42020), (120, 42050), (121, 42053), (128, 42119), (145, 42278), (151, 42326), (154, 42344), (163, 42392), (182, 42536), (189, 42596), (204, 42701), (212, 42788),

Gene: Vista_49 Start: 41710, Stop: 43065, Start Num: 46
Candidate Starts for Vista_49:
(Start: 46 @41710 has 280 MA's), (54, 41761), (58, 41794), (78, 41923), (79, 41926), (81, 41941), (95, 42037), (97, 42076), (101, 42106), (104, 42142), (118, 42253), (120, 42283), (121, 42286), (128, 42352), (145, 42511), (151, 42559), (154, 42577), (163, 42625), (182, 42769), (189, 42829), (204, 42934), (212, 43021),

Gene: Vivaldi_50 Start: 42145, Stop: 43500, Start Num: 46
Candidate Starts for Vivaldi_50:
(Start: 46 @42145 has 280 MA's), (54, 42196), (58, 42229), (78, 42358), (79, 42361), (81, 42376), (95, 42472), (97, 42511), (101, 42541), (104, 42577), (118, 42688), (120, 42718), (121, 42721), (128, 42787), (145, 42946), (151, 42994), (154, 43012), (163, 43060), (182, 43204), (189, 43264), (204, 43369), (212, 43456),

Gene: Vortex_49 Start: 41407, Stop: 42762, Start Num: 46

Candidate Starts for Vortex_49:
(Start: 46 @41407 has 280 MA's), (54, 41458), (58, 41491), (78, 41620), (79, 41623), (81, 41638), (95, 41734), (97, 41773), (101, 41803), (104, 41839), (118, 41950), (120, 41980), (121, 41983), (128, 42049), (145, 42208), (151, 42256), (154, 42274), (163, 42322), (182, 42466), (189, 42526), (204, 42631), (212, 42718),

Gene: Wallhey_48 Start: 41270, Stop: 42625, Start Num: 46
Candidate Starts for Wallhey_48:
(Start: 46 @41270 has 280 MA's), (54, 41321), (58, 41354), (78, 41483), (79, 41486), (81, 41501), (95, 41597), (97, 41636), (101, 41666), (104, 41702), (118, 41813), (120, 41843), (121, 41846), (128, 41912), (145, 42071), (151, 42119), (154, 42137), (163, 42185), (182, 42329), (189, 42389), (204, 42494), (212, 42581),

Gene: Waterdiva_49 Start: 41702, Stop: 43057, Start Num: 46
Candidate Starts for Waterdiva_49:
(Start: 46 @41702 has 280 MA's), (54, 41753), (58, 41786), (78, 41915), (79, 41918), (81, 41933), (95, 42029), (97, 42068), (101, 42098), (104, 42134), (118, 42245), (120, 42275), (121, 42278), (128, 42344), (145, 42503), (151, 42551), (154, 42569), (163, 42617), (182, 42761), (189, 42821), (204, 42926), (212, 43013),

Gene: Webster2_33 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Webster2_33:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Weher20_49 Start: 41701, Stop: 43056, Start Num: 46
Candidate Starts for Weher20_49:
(Start: 46 @41701 has 280 MA's), (54, 41752), (58, 41785), (79, 41917), (81, 41932), (95, 42028), (97, 42067), (101, 42097), (104, 42133), (118, 42244), (120, 42274), (121, 42277), (128, 42343), (145, 42502), (151, 42550), (154, 42568), (163, 42616), (182, 42760), (189, 42820), (204, 42925), (208, 42979), (212, 43012),

Gene: Weirdo19_29 Start: 26675, Stop: 27889, Start Num: 50
Candidate Starts for Weirdo19_29:
(37, 26498), (39, 26516), (40, 26561), (Start: 50 @26675 has 69 MA's), (73, 26831), (81, 26888), (84, 26909), (86, 26921), (Start: 93 @26954 has 3 MA's), (95, 26978), (96, 26999), (98, 27026), (104, 27083), (106, 27104), (108, 27131), (120, 27245), (128, 27296), (137, 27386), (145, 27443), (148, 27467), (151, 27482), (155, 27503), (166, 27557), (169, 27569), (176, 27593), (180, 27602), (187, 27650), (190, 27659), (199, 27710), (215, 27872),

Gene: Wendigo_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Wendigo_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Windsor_48 Start: 41406, Stop: 42761, Start Num: 46
Candidate Starts for Windsor_48:

(Start: 46 @41406 has 280 MA's), (54, 41457), (58, 41490), (78, 41619), (79, 41622), (81, 41637), (95, 41733), (97, 41772), (101, 41802), (104, 41838), (118, 41949), (120, 41979), (121, 41982), (128, 42048), (145, 42207), (151, 42255), (154, 42273), (163, 42321), (182, 42465), (189, 42525), (204, 42630), (212, 42717),

Gene: Wishmaker_32 Start: 28339, Stop: 29574, Start Num: 48
Candidate Starts for Wishmaker_32:
(Start: 48 @28339 has 22 MA's), (60, 28432), (64, 28465), (67, 28477), (70, 28489), (71, 28492), (79, 28555), (82, 28573), (87, 28606), (95, 28666), (97, 28705), (98, 28714), (99, 28717), (101, 28735), (104, 28771), (108, 28819), (109, 28831), (110, 28837), (117, 28900), (118, 28903), (119, 28930), (123, 28942), (134, 29044), (145, 29131), (151, 29170), (155, 29191), (170, 29260), (180, 29290), (183, 29323), (185, 29332), (187, 29338), (191, 29350), (193, 29359), (202, 29422), (208, 29491),

Gene: Xavia_27 Start: 24676, Stop: 25842, Start Num: 55
Candidate Starts for Xavia_27:
(Start: 55 @24676 has 53 MA's), (57, 24685), (64, 24730), (65, 24733), (78, 24820), (86, 24865), (90, 24898), (95, 24940), (96, 24961), (97, 24979), (104, 25045), (108, 25084), (118, 25150), (126, 25201), (128, 25246), (138, 25342), (144, 25381), (145, 25396), (146, 25408), (151, 25435), (169, 25522), (173, 25540), (175, 25546), (178, 25558), (181, 25570), (186, 25606), (201, 25687), (208, 25762), (214, 25804), (215, 25825), (216, 25831),

Gene: Xavier_48 Start: 41414, Stop: 42769, Start Num: 46
Candidate Starts for Xavier_48:
(Start: 46 @41414 has 280 MA's), (54, 41465), (58, 41498), (78, 41627), (79, 41630), (81, 41645), (95, 41741), (97, 41780), (101, 41810), (104, 41846), (118, 41957), (120, 41987), (121, 41990), (128, 42056), (145, 42215), (151, 42263), (154, 42281), (163, 42329), (182, 42473), (189, 42533), (204, 42638), (212, 42725),

Gene: Xula_25 Start: 23743, Stop: 24909, Start Num: 55
Candidate Starts for Xula_25:
(15, 22999), (34, 23371), (Start: 55 @23743 has 53 MA's), (65, 23800), (78, 23887), (87, 23935), (95, 24007), (96, 24028), (104, 24112), (108, 24151), (118, 24217), (120, 24247), (126, 24268), (128, 24313), (138, 24409), (144, 24448), (145, 24463), (151, 24502), (169, 24589), (173, 24607), (175, 24613), (183, 24661), (201, 24754), (208, 24829), (214, 24871), (215, 24892), (216, 24898),

Gene: YangYin_28 Start: 26977, Stop: 28200, Start Num: 50
Candidate Starts for YangYin_28:
(21, 26410), (28, 26530), (29, 26557), (32, 26599), (36, 26752), (Start: 50 @26977 has 69 MA's), (73, 27139), (79, 27181), (85, 27223), (91, 27259), (95, 27295), (103, 27376), (104, 27400), (108, 27448), (111, 27472), (118, 27532), (119, 27559), (123, 27571), (128, 27613), (130, 27649), (145, 27760), (148, 27784), (151, 27799), (153, 27808), (161, 27853), (213, 28162),

Gene: Yoshand_50 Start: 41844, Stop: 43220, Start Num: 46
Candidate Starts for Yoshand_50:
(Start: 46 @41844 has 280 MA's), (54, 41895), (58, 41928), (78, 42057), (79, 42060), (81, 42075), (95, 42171), (97, 42210), (101, 42240), (104, 42276), (118, 42387), (120, 42417), (121, 42420), (128, 42486), (145, 42645), (151, 42693), (154, 42711), (163, 42759), (182, 42924), (189, 42984), (204, 43089), (212, 43176),

Gene: YouGoGlencoco_49 Start: 41704, Stop: 43059, Start Num: 46
Candidate Starts for YouGoGlencoco_49:
(Start: 46 @41704 has 280 MA's), (54, 41755), (58, 41788), (78, 41917), (79, 41920), (81, 41935), (95, 42031), (97, 42070), (101, 42100), (104, 42136), (118, 42247), (120, 42277), (121, 42280), (128,

42346), (145, 42505), (151, 42553), (154, 42571), (163, 42619), (182, 42763), (189, 42823), (204, 42928), (212, 43015),

Gene: Zaider_50 Start: 41934, Stop: 43289, Start Num: 46
Candidate Starts for Zaider_50:
(Start: 46 @41934 has 280 MA's), (54, 41985), (58, 42018), (61, 42036), (78, 42147), (79, 42150), (81, 42165), (95, 42261), (97, 42300), (101, 42330), (104, 42366), (118, 42477), (120, 42507), (121, 42510), (128, 42576), (145, 42735), (151, 42783), (154, 42801), (163, 42849), (182, 42993), (189, 43053), (204, 43158), (212, 43245),

Gene: Zelda_49 Start: 41751, Stop: 43106, Start Num: 46
Candidate Starts for Zelda_49:
(Start: 46 @41751 has 280 MA's), (54, 41802), (58, 41835), (78, 41964), (79, 41967), (81, 41982), (95, 42078), (97, 42117), (101, 42147), (104, 42183), (118, 42294), (120, 42324), (121, 42327), (128, 42393), (145, 42552), (151, 42600), (154, 42618), (163, 42666), (182, 42810), (189, 42870), (204, 42975), (212, 43062),

Gene: Zilizebeth_27 Start: 24052, Stop: 25218, Start Num: 55
Candidate Starts for Zilizebeth_27:
(Start: 55 @24052 has 53 MA's), (65, 24109), (78, 24196), (86, 24241), (87, 24244), (95, 24316), (96, 24337), (104, 24421), (108, 24460), (118, 24526), (120, 24556), (126, 24577), (128, 24622), (138, 24718), (144, 24757), (145, 24772), (146, 24784), (151, 24811), (169, 24898), (173, 24916), (175, 24922), (183, 24970), (189, 24991), (201, 25063), (208, 25138),

Gene: ZoMa_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for ZoMa_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Zolita_7 Start: 5433, Stop: 6242, Start Num: 92
Candidate Starts for Zolita_7:
(Start: 92 @5433 has 49 MA's), (97, 5496), (98, 5505), (104, 5562), (108, 5610), (114, 5667), (117, 5691), (139, 5880), (145, 5922), (154, 5979), (215, 6228),

Gene: Zombie_28 Start: 25201, Stop: 26409, Start Num: 50
Candidate Starts for Zombie_28:
(41, 25108), (Start: 50 @25201 has 69 MA's), (76, 25375), (85, 25447), (97, 25546), (98, 25555), (102, 25579), (103, 25588), (104, 25612), (106, 25633), (108, 25660), (109, 25672), (118, 25744), (123, 25783), (145, 25972), (148, 25996), (151, 26011), (155, 26032), (163, 26077), (164, 26080), (180, 26131),

Gene: Zonia_49 Start: 41721, Stop: 43076, Start Num: 46
Candidate Starts for Zonia_49:
(Start: 46 @41721 has 280 MA's), (54, 41772), (58, 41805), (78, 41934), (79, 41937), (81, 41952), (95, 42048), (97, 42087), (101, 42117), (104, 42153), (118, 42264), (120, 42294), (121, 42297), (128, 42363), (145, 42522), (151, 42570), (154, 42588), (163, 42636), (182, 42780), (189, 42840), (204, 42945), (212, 43032),