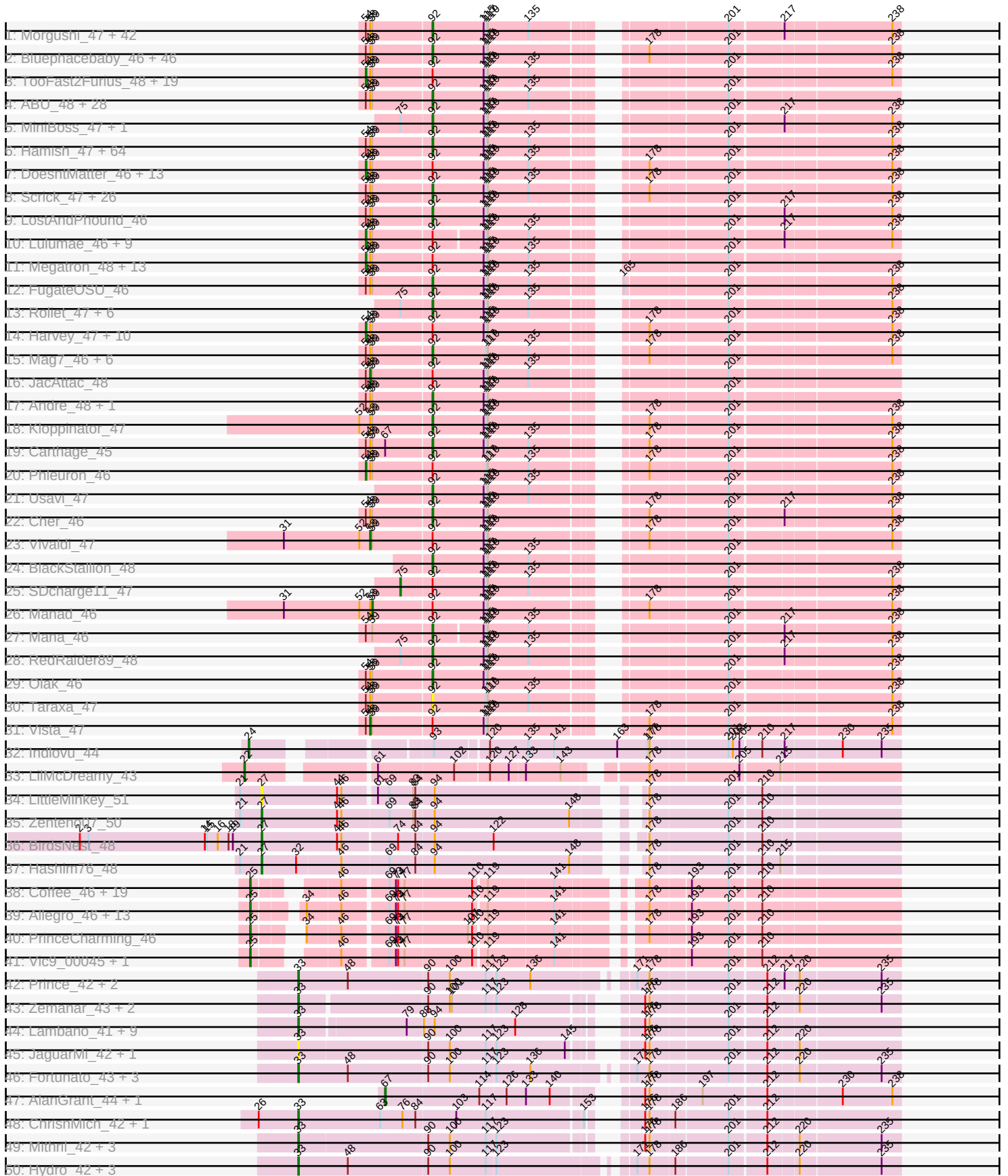
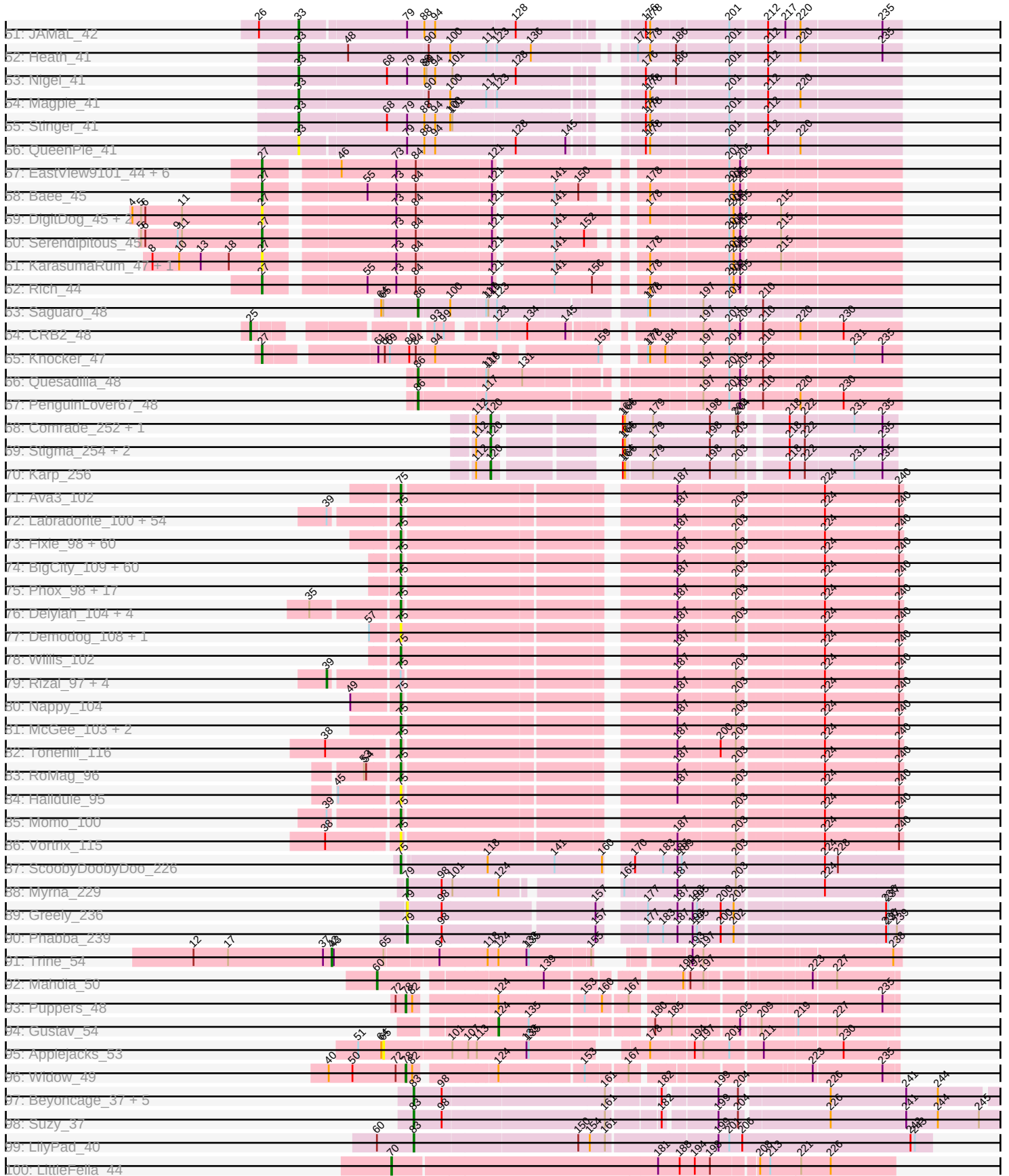


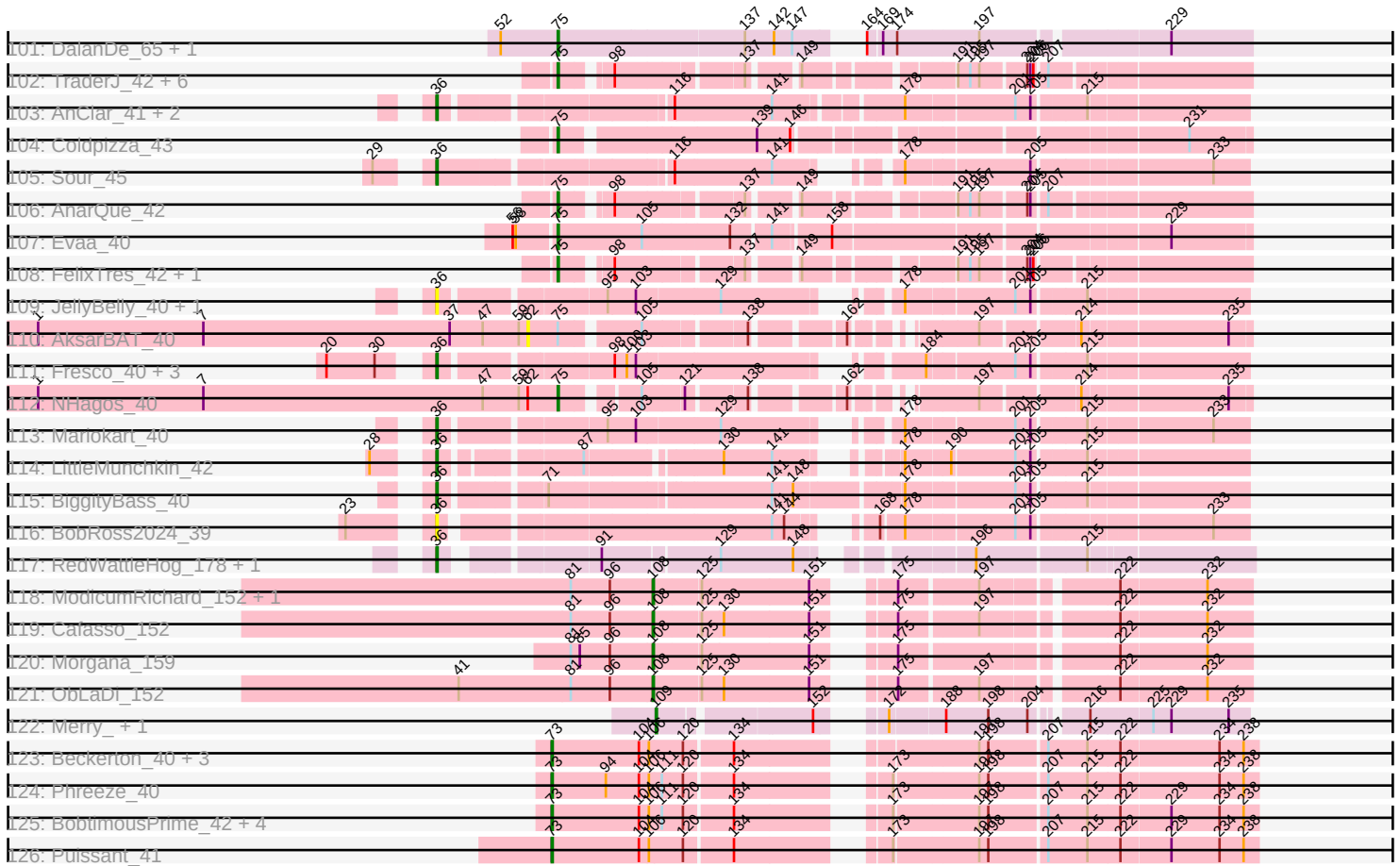
Pham 311025



Pham 311025



Pham 311025



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 311025 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311025 has 711 members, 96 are drafts.

Phages represented in each track:

- Track 1 : Morgushi_47, Beaglebox_46, Kwadwo_46, Haleema_46, Timmi_46, Dice_46, Brilliant_47, Gwennie1_47, HenryJackson_46, Orfeu_46, Khan1_47, Lasso_47, Ricotta_46, Legolas_47, Iridessa_47, CamL_47, Kahve_46, Lumine_46, TomBombadil_47, Cannibal_47, Dione_46, Samaymay_47, LuckyMarjie_46, Freya_46, Nathan_47, MrPhizzler_47, Simielle_46, Maru_46, Rimu_47, NiaNia_49, Gareth_46, Grand2040_46, Sophia_46, Eugenia_47, Serendipity_47, QueenBeane_47, Mesmerelda_46, PinheadLarry_47, Longacauda_46, Toni_46, Hocus_46, Daffy_47, Phareon_47
- Track 2 : Bluephacebaby_46, JangoPhett_47, Schadenfreude_46, Jesabah_47, SassyCat97_46, Cobra_47, UAch1_47, Wallhey_46, Jillium_46, Held_47, GreenChile_47, Robyn_46, DonSanchon_46, Potter_46, FremontTroll_47, EmGer13_47, Mesh1_47, PhatLouie_47, YouGoGlencoco_47, Labeouficaum_46, Matalotodo_47, Zaider_48, Cosmolli16_46, Derpp_46, Hetaeria_47, Placalicious_46, Swiphy_47, Pacifista_46, TyrionL_46, DelRivs_46, MitKao_47, Zonia_47, FriarPreacher_46, Aelin_46, Pinkman_46, Kwksand96_46, Thora_47, Zelda_47, Cornbread_46, Altwerkus_46, True_46, GeneCoco_47, Surely_47, Chorkpop_47, Virapocalypse_47, LemonSlice_47, Antonia_46
- Track 3 : TooFast2Furius_48, PhenghisKhan_46, Chute_46, PhrankReynolds_45, Colbert_47, Nova1_47, Apizium_47, Basato_48, Pipsqueak_47, Aleia_47, Flake_47, Mcshane_46, Olive_47, OliverWalter_47, Waterdiva_47, Coletti_47, Schueller_46, Phergie_46, Thunderbird_46, CheetO_47
- Track 4 : ABU_48, SallyH_48, PhrodoBaggins_47, Badfish_48, LasagnaCat_48, Katniss_48, Orion_48, Scoot17C_48, Swish_48, PhatCats2014_48, Phamished_48, HighStump_47, ElvisPhasley_48, CampRoach_48, Craff_48, Fringe_48, Adriana_48, Morty_48, PG1_48, RedMaple_47, Mulan_47, Inchworm_48, Yoshand_48, Pherdinand_48, Durga_48, Emiris_48, DoIon_50, MelsMeow_47, Lego3393_46
- Track 5 : MiniBoss_47, AltPhacts_47
- Track 6 : Hamish_47, Crownjwl_47, Spartan300_47, Soile_47, Horchata_47, Eremos_47, Solosis_46, AbsoluteMadLad_46, Keitherie_47, Gwilliam_47, Phunky_47, Squiggle_47, DaddyDaniels_47, Gophee_47, Hartsy_47, Chuni_46, MRabcd_46, LeiMonet_47, Kimbrough_47, Daka_48, ShiVal_47, Anderson_47, Jiraiya_46, CharlieGBrown_46, Struggle_46, Hekos_44, EmpTee_47, Doddsville_47, Jiminy_46, Chaelin_47, Burr_46, Valjean_47, Megamind20_47, Roscoe_48, Plata_46, BoogieWoogie_46, Prickles_47, Iridoclysis_47, Karn_46, Riggan_47, Boehler_47, Bishoperium_46, Haimas_47, Tomlarah_47, JakeO_46, SirBeauregard_47, KingTut_38, Larson_48, Omniscient_47, Suffolk_47, Windsor_46, Skippy_47, Duggie_46, PallasAthena_47, Mutante_46, ProfessorX_47, Fozzie_46,

OneBrain_48, BlacksBerry_46, Cornobble_46, AngelCake_47, Mecca_46,
 Virgeve_46, Childish_46, Chipette_48
 • Track 7 : DoesntMatter_46, Vaishali24_46, FleetyMac_47, Happabalu_47,
 Lehmann_47, Riverton_47, Melc17_47, Serpentine_0047, Triad_47, SilverBell_47,
 KlimbOn_47, Gyarad_0047, Newman_47, Inverness_47
 • Track 8 : Scrick_47, Telesworld_46, Charles1_47, Quisquilliae_47, HogWash_47,
 Lulwa_47, Slatt_47, Tooj_47, Piglet_0046, ShadowBud_47, Aonishiki_47, JDog_46,
 DirtJuice_47, HSavage_47, Podrick_47, Buckeye_47, Orwigg_46, KLUcky39_47,
 Weher20_47, Numberten_47, Chunky_47, Plmatters_47, Oline_46, Frankicide_47,
 Dati_47, Pops_47, Etaye_47
 • Track 9 : LostAndPhound_46
 • Track 10 : Lulumae_46, Banjo_46, Vaticameos_43, Puhltonio_47, Caspiboi_46,
 Murdoc_47, Vortex_47, TallGrassMM_47, Roy17_47, Xavier_46
 • Track 11 : Megatron_48, IsaacEli_48, Maskar_47, Fang_48, Nacho_0048,
 FluffyNinja_48, OSmaximus_48, Chah_49, ImtiyazSitla_47, ThreeOh3D2_48,
 Ashraf_47, Trypo_48, Kikipoo_48, Sigman_48
 • Track 12 : FugateOSU_46
 • Track 13 : Roliet_47, KingVeVeVe_47, Soto_47, Dingo_47, Mikota_47,
 BlueHusk_47, Sheila_47
 • Track 14 : Harvey_47, Nyala_46, Oosterbaan_47, Giraffe_47, Mosaic_46,
 Selr12_47, Lopsy_46, UncleHowie_47, LeeLot_47, Squid_47, Hertubise_47
 • Track 15 : Mag7_46, BatteryCK_46, MichaelPhcott_46, Magic8_47, Nicole21_47,
 Kailash_47, Veritas_46
 • Track 16 : JacAttac_48
 • Track 17 : Andre_48, DuchessDung_46
 • Track 18 : Kloppinator_47
 • Track 19 : Carthage_45
 • Track 20 : Phleuron_46
 • Track 21 : Usavi_47
 • Track 22 : Cher_46
 • Track 23 : Vivaldi_47
 • Track 24 : BlackStallion_48
 • Track 25 : SDcharge11_47
 • Track 26 : Manad_46
 • Track 27 : Mana_46
 • Track 28 : RedRaider89_48
 • Track 29 : Olak_46
 • Track 30 : Taraxa_47
 • Track 31 : Vista_47
 • Track 32 : Indlovu_44
 • Track 33 : LilMcDreamy_43
 • Track 34 : LittleMinkey_51
 • Track 35 : Zenteno07_50
 • Track 36 : BirdsNest_48
 • Track 37 : Hashim76_48
 • Track 38 : Coffee_46, Tinciduntolum_47, Hedgerow_46, LilSmirk_46, Boyle_46,
 Eaglehorse_46, Ares_46, Lephleur_46, FrenchFry_46, Bananafish_46, Tres_46,
 Sabella_45, Glass_46, ItsyBitsy1_46, Brownie5_46, LizLemon_46, West99_46,
 Kolhan_46, Rosebush_45, Opia_46
 • Track 39 : Allegro_46, Rhinoforte_46, Arbiter_45, Lars_46, MasterPo_46,
 Blocker23_46, Holeinone_46, TA17A_47, Kheth_46, Phantasmagoria_46,
 Calamitous_46, Faze9_45, Kaleb_46, Godines_46
 • Track 40 : PrinceCharming_46

- Track 41 : Vic9_00045, Laurie_45
- Track 42 : Prince_42, Apex_43, VioletZ_44
- Track 43 : Zemanar_43, JoyceMaria_42, Lolalove_43
- Track 44 : Lambano_41, Epah_41, GinPorsche_42, Hally898_41, Antihero_41, Nanao_41, LittleDigger_41, Renkei_41, Ahwei_41, Poster_41
- Track 45 : JaguarMi_42, Xincheng_41
- Track 46 : Fortunato_43, Austelle_43, Mudslide_42, RawrgerThat_43
- Track 47 : AlanGrant_44, Vincenzo_43
- Track 48 : ChrisnMich_42, Cooper_43
- Track 49 : Mithril_42, BobbyK_43, Frederick_43, Fanaw_41
- Track 50 : Hydro_42, BrownCNA_44, Waleliano_42, Hangman_42
- Track 51 : JAMaL_42
- Track 52 : Heath_41
- Track 53 : Nigel_41
- Track 54 : Magpie_41
- Track 55 : Stinger_41
- Track 56 : QueenPie_41
- Track 57 : EastView9101_44, SirJeffery_46, Rita130_46, Reccee_46, Acadian_46, Donny_46, Suigeneris_46
- Track 58 : Baee_45
- Track 59 : DigitDog_45, Shenyu_45, Nangang_45
- Track 60 : Serendipitous_45
- Track 61 : KarasumaRum_47, StinkyVeggy_47
- Track 62 : Rich_44
- Track 63 : Saguaro_48
- Track 64 : CRB2_48
- Track 65 : Knocker_47
- Track 66 : Quesadilla_48
- Track 67 : PenguinLover67_48
- Track 68 : Comrade_252, Westy_258
- Track 69 : Stigma_254, Belfort_257, SparkleGoddess_256
- Track 70 : Karp_256
- Track 71 : Ava3_102
- Track 72 : Labradorite_100, Substance289_99, ValleyTerrace_101, Amataga_101, InigoMontoya_102, Bowman_98, Derek_101, BadAgartude_97, FrayBell_106, Pivoine_100, GlutenPhree_102, Tortoise16_98, SmallFry_101, Flabslab_95, Ading_101, Atlantean_100, CindyLou_102, Gabriel_102, Shnicks_101, Rahel_100, Essence_98, Tainan_105, Spec_97, Specks_106, PharkleMinkus_105, Drazdys_100, Jedediah_104, Ghost_100, Phlegm_103, Chomp_100, Adlitam_101, Breeniome_100, Naija_100, Ngannou_97, Audrick_103, Tyke_102, ShiaLabeouf_100, Jemmno_101, Jaygup_101, Phusco_101, Cleatunium_95, Matsumoto_99, Pupusa_107, Guwapp_100, InterFolia_109, Bangla1971_102, Latch_101, SilverDipper_102, ArcherS7_100, LolaVinca_102, Teardrop_100, NoodleTree_108, Patter_101, LordLeafolot_106, Dessert_98
- Track 73 : Fixie_98, Primadonna_95, Chargie21_98, LinStu_101, Zalkecks_102, Blackbrain_96, Stubby_94, Basquiat_98, Shaqnato_94, Fongie_99, DeejaClivia_90, Burrough_101, Yucca_101, BananaFence_100, Naval22_109, JayJay_107, Ewok_102, Blackdragon_97, JulietS_95, Rabinovish_99, Mangeria_101, Maturis_99, EasyJones_104, Salacia_105, Alice_94, DirtMonster_95, NuevoMundo_107, Montpel_100, FudgeTart_101, Sebata_103, Moby_92, SoilZilla_97, Moiqah_92, ScottMcG_98, Yassified_98, ET08_90, Wally_100, Rocha_100, QBert_95, Cactojaque_96, Bread_101, OrediggerDelux_99, Fludd_102, Lee7_99, CharlieB_97, BeanWater_93, Belieber_97, Sauce_102, Nidhogg_102, Kboogie_105,

Sprinklers_97, TinyTim_101, Pleione_104, Darko_101, Quasimodo_102,
 YoungMoneyMata_102, HyRo_93, ChickenPhender_97, Maby2021_101,
 SrishMeg2525_100, Pinkcreek_92
 • Track 74 : BigCity_109, IkeLoa_95, MikeLiesIn_102, DrPhinkDaddy_100,
 Izajani_101, Duckfeet_94, Mikro_99, Gizmo_105, Daffodil_106, Pio_105,
 StephanieG_100, ChaylaJr_96, Pier_105, Megamind_100, Blubba_90,
 DTDevon_102, Grasshills_108, EggyFarm_109, SVoro_99, Erdmann_102,
 Trinitium_98, NedWong_102, Delilah_101, Zeenon_103, LookingGlass_102,
 Jessibeth14_100, Morizzled23_101, McWolfish_99, Bxz1_99, ErnieJ_97,
 Roots515_100, FoxtrotP1_101, Khaleesi_100, Colt_91, Caravan_96, Turret_96,
 ParkTD_102, Catera_98, YemiJoy2021_102, JustHall_98, Bipolarisk_100,
 Shelob_103, Loanshark_101, EmToTheThree_104, Issimir_100, Jezreel_101,
 Shrimp_101, Iota_96, Lethe_100, Domi_95, Bonray_101, Cane17_90, Norm_102,
 Shifa_90, ZygoTaiga_100, I3_107, Asterius_104, MoMoMixon_102, Dandelion_108,
 JigglyPuff_109, PurduePete_101
 • Track 75 : Phox_98, Lukilu_92, Dietrick_93, LRRHood_96, Ronan_95, Grungle_89,
 Janiyrä_103, Bezza_90, Koguma_98, Babyland_102, Melpomini_95, Lunareta_100,
 BackyardAgain_98, StubbySaigey_104, Cali_97, EmmaElysia_101, Spud_101,
 Napoleon13_97
 • Track 76 : Delylah_104, Littleton_101, Kamryn_101, Capablanca_103,
 Bigswale_106
 • Track 77 : Demodog_108, Concombre_108
 • Track 78 : Willis_102
 • Track 79 : Rizal_97, Astraea_98, Gamgam_101, JPickles_99, LifeSavor_100
 • Track 80 : Nappy_104
 • Track 81 : McGee_103, Ablatia_100, BobaPhatt_97
 • Track 82 : Tonenili_116
 • Track 83 : RoMag_96
 • Track 84 : Halldule_95
 • Track 85 : Momo_100
 • Track 86 : Vortrix_115
 • Track 87 : ScoobyDoobyDoo_226
 • Track 88 : Myrna_229
 • Track 89 : Greely_236
 • Track 90 : Phabba_239
 • Track 91 : Trine_54
 • Track 92 : Mahdia_50
 • Track 93 : Puppies_48
 • Track 94 : Gustav_54
 • Track 95 : Applejacks_53
 • Track 96 : Widow_49
 • Track 97 : Beyoncage_37, Terapin_38, Sienna_37, Djokovic_37, Madi_37,
 BiteSize_37
 • Track 98 : Suzy_37
 • Track 99 : LilyPad_40
 • Track 100 : LittleFella_44
 • Track 101 : DalanDe_65, Thales_63
 • Track 102 : TraderJ_42, MossRose_42, MakoManhole_42, Yeshua_42, CaiB_42,
 Blackpen_42, Wooper_42
 • Track 103 : AnClar_41, Sisko_40, Yago84_40
 • Track 104 : Coldpizza_43
 • Track 105 : Sour_45
 • Track 106 : AnarQue_42

- Track 107 : Evaa_40
- Track 108 : FelixTres_42, CloverMinnie_42
- Track 109 : JellyBelly_40, CharlottesWeb_40
- Track 110 : AksarBAT_40
- Track 111 : Fresco_40, Ligma_40, Axumite_40, Shatter_40
- Track 112 : NHagos_40
- Track 113 : Mariokart_40
- Track 114 : LittleMunchkin_42
- Track 115 : BiggityBass_40
- Track 116 : BobRoss2024_39
- Track 117 : RedWattleHog_178, Stormageddon_179
- Track 118 : ModicumRichard_152, Aleemily_150
- Track 119 : Cafasso_152
- Track 120 : Morgana_159
- Track 121 : ObLaDi_152
- Track 122 : Merry_, Sunny_
- Track 123 : Beckerton_40, Konstantine_45, Megatron06_42, Damien_41
- Track 124 : Phreeze_40
- Track 125 : BobtimousPrime_42, Oaker_40, Thumb_41, Cborch11_42, Nish23_43
- Track 126 : Puissant_41

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

The start number called the most often in the published annotations is 92, it was called in 220 of the 615 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• ABU_48, AbsoluteMadLad_46, Adriana_48, Aelin_46, AltPhacts_47, Altwerkus_46, Anderson_47, Andre_48, AngelCake_47, Antonia_46, Aonishiki_47, Badfish_48, BatteryCK_46, Beaglebox_46, Bishoperium_46, BlackStallion_48, BlacksBerry_46, BlueHusk_47, Bluephacebaby_46, Boehler_47, BoogieWoogie_46, Brilliant_47, Buckeye_47, Burr_46, CamL_47, CampRoach_48, Cannibal_47, Carthage_45, Chaelin_47, Charles1_47, CharlieGBrown_46, Cher_46, Childish_46, Chipette_48, Chorkpop_47, Chuni_46, Chunky_47, Cobra_47, Cornbread_46, Cornobble_46, Cosmolli16_46, Craff_48, Crownjwl_47, DaddyDaniels_47, Daffy_47, Daka_48, Dati_47, DelRivs_46, Derpp_46, Dice_46, Dingo_47, Dione_46, DirtJuice_47, Doddsville_47, DolOn_50, DonSanchon_46, DuchessDung_46, Duggie_46, Durga_48, ElvisPhasley_48, EmGer13_47, Emiris_48, EmpTee_47, Eremos_47, Etaye_47, Eugenia_47, Fozzie_46, Frankicide_47, FremontTroll_47, Freya_46, FriarPreacher_46, Fringe_48, FugateOSU_46, Gareth_46, GeneCoco_47, Gophee_47, Grand2040_46, GreenChile_47, Gwennie1_47, Gwilliam_47, HSavage_47, Haimas_47, Haleema_46, Hamish_47, Hartsy_47, Hekos_44, Held_47, HenryJackson_46, Hetaeria_47, HighStump_47, Hocus_46, HogWash_47, Horchata_47, Inchworm_48, Iridessa_47, Iridoclysis_47, JDog_46, JakeO_46, JangoPhett_47, Jesabah_47, Jillium_46, Jiminy_46, Jiraiya_46, KLucky39_47, Kahve_46, Kailash_47, Karn_46, Katniss_48, Keitherie_47, Khan1_47, Kimbrough_47, KingTut_38, KingVeVeVe_47, Kloppinator_47, Kwadwo_46, Kwksand96_46, Labeouficaum_46, Larson_48, LasagnaCat_48, Lasso_47, Lego3393_46, Legolas_47, LeiMonet_47, LemonSlice_47, Longacauda_46, LostAndPhound_46, LuckyMarjie_46, Lulwa_47, Lumine_46, MRabcd_46, Mag7_46,

Magic8_47, Mana_46, Maru_46, Matalotodo_47, Mecca_46, Megamind20_47, MelsMeow_47, Mesh1_47, Mesmerelda_46, MichaelPhcott_46, Mikota_47, MiniBoss_47, MitKao_47, Morgushi_47, Morty_48, MrPhizzler_47, Mulan_47, Mutante_46, Nathan_47, NiaNia_49, Nicole21_47, Numberbert_47, Olak_46, Oline_46, Omniscient_47, OneBrain_48, Orfeu_46, Orion_48, Orwigg_46, PG1_48, Pacifista_46, PallasAthena_47, Phamished_48, Phareon_47, PhatCats2014_48, PhatLouie_47, Pherdinand_48, PhrodoBaggins_47, Phunky_47, Piglet_0046, PinheadLarry_47, Pinkman_46, Placalicious_46, Plata_46, Plmatters_47, Podrick_47, Pops_47, Potter_46, Prickles_47, ProfessorX_47, QueenBeane_47, Quisquilliae_47, RedMaple_47, RedRaider89_48, Ricotta_46, Riggan_47, Rimu_47, Robyn_46, Roliet_47, Roscoe_48, SallyH_48, Samaymay_47, SassyCat97_46, Schadenfreude_46, Scoot17C_48, Scrick_47, Serendipity_47, ShadowBud_47, Sheila_47, ShiVal_47, Simielle_46, SirBeauregard_47, Skippy_47, Slatt_47, Soile_47, Solosis_46, Sophia_46, Soto_47, Spartan300_47, Squiggle_47, Struggle_46, Suffolk_47, Surely_47, Swiphy_47, Swish_48, Taraxa_47, Telesworld_46, Thora_47, Timmi_46, TomBombadil_47, Tomlarah_47, Toni_46, Tooj_47, True_46, TyrionL_46, UAch1_47, Usavi_47, Valjean_47, Veritas_46, Virapocalypse_47, Virgeve_46, Wallhey_46, Weher20_47, Windsor_46, Yoshand_48, YouGoGlencoco_47, Zaider_48, Zelda_47, Zonia_47,

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

- Aleia_47, Apizium_47, Ashraf_47, Banjo_46, Basato_48, Caspiwai_46, Chah_49, CheetO_47, Chute_46, Colbert_47, Coletti_47, DoesntMatter_46, Fang_48, Flake_47, FleetyMac_47, FluffyNinja_48, Giraffe_47, Gyarad_0047, Happabalu_47, Harvey_47, Hertubise_47, ImtiyazSitla_47, Inverness_47, IsaacEli_48, JacAttac_48, Kikipoo_48, KlimbOn_47, LeeLot_47, Lehmann_47, Lopsy_46, Lulumae_46, Manad_46, Maskar_47, Mcshane_46, Megatron_48, Melc17_47, Mosaic_46, Murdoc_47, Nacho_0048, Newman_47, Nova1_47, Nyala_46, OSmaximus_48, Olive_47, OliverWalter_47, Oosterbaan_47, PhenghisKhan_46, Phergie_46, Phleuron_46, PhrankReynolds_45, Pipsqueak_47, Puhltonio_47, Riverton_47, Roy17_47, SDcharge11_47, Schueller_46, Selr12_47, Serpentine_0047, Sigman_48, SilverBell_47, Squid_47, TallGrassMM_47, ThreeOh3D2_48, Thunderbird_46, TooFast2Furius_48, Triad_47, Trypo_48, UncleHowie_47, Vaishali24_46, Vaticameos_43, Vista_47, Vivaldi_47, Vortex_47, Waterdiva_47, Xavier_46,

Genes that do not have the "Most Annotated" start:

- Ablatia_100, Acadian_46, Ading_101, Adlitam_101, Ahwei_41, AksarBAT_40, AlanGrant_44, Aleemily_150, Alice_94, Allegro_46, Amataga_101, AnClar_41, AnarQue_42, Antihero_41, Apex_43, Applejacks_53, Arbiter_45, ArcherS7_100, Ares_46, Asterius_104, Astraea_98, Atlantean_100, Audrick_103, Austelle_43, Ava3_102, Axumite_40, Babyland_102, BackyardAgain_98, BadAgartude_97, Bae_45, BananaFence_100, Bananafish_46, Bangla1971_102, Basquiat_98, BeanWater_93, Beckerton_40, Belfort_257, Belieber_97, Beyoncage_37, Bezza_90, BigCity_109, BiggityBass_40, Bigswole_106, Bipolarisk_100, BirdsNest_48, BiteSize_37, Blackbrain_96, Blackdragon_97, Blackpen_42, Blocker23_46, Blubba_90, BobRoss2024_39, BobaPhatt_97, BobbyK_43, BobtimousPrime_42, Bonray_101, Bowman_98, Boyle_46, Bread_101, Breeniome_100, BrownCNA_44, Brownie5_46, Burrough_101, Bxz1_99, CRB2_48, Cactojaque_96, Cafasso_152, CaiB_42, Calamitous_46, Cali_97, Cane17_90, Capablanca_103, Caravan_96, Catera_98, Cborch11_42, Chargie21_98, CharlieB_97, CharlottesWeb_40, ChaylaJr_96, ChickenPhender_97, Chomp_100, ChrisnMich_42, CindyLou_102, Cleatunium_95, CloverMinnie_42, Coffee_46, Coldpizza_43, Colt_91, Comrade_252, Concombre_108, Cooper_43, DTDevon_102, Daffodil_106, DalanDe_65,

Damien_41, Dandelion_108, Darko_101, DeejaClivia_90, Delilah_101, Delylah_104, Demodog_108, Derek_101, Dessert_98, Dietrick_93, DigitDog_45, DirtMonster_95, Djokovic_37, Domi_95, Donny_46, DrPhinkDaddy_100, Drazdys_100, Duckfeet_94, ET08_90, Eaglehorse_46, EastView9101_44, EasyJones_104, EggyFarm_109, EmToTheThree_104, EmmaElysia_101, Epah_41, Erdmann_102, ErnieJ_97, Essence_98, Evaa_40, Ewok_102, Fanaw_41, Faze9_45, FelixTres_42, Fixie_98, Flabslab_95, Fludd_102, Fongie_99, Fortunato_43, FoxtrotP1_101, FrayBell_106, Frederick_43, FrenchFry_46, Fresco_40, FudgeTart_101, Gabriel_102, Gamgam_101, Ghost_100, GinPorsche_42, Gizmo_105, Glass_46, GlutenPhree_102, Godines_46, Grasshills_108, Greely_236, Grungle_89, Gustav_54, Guwapp_100, Halldule_95, Hally898_41, Hangman_42, Hashim76_48, Heath_41, Hedgerow_46, Holeinone_46, HyRo_93, Hydro_42, I3_107, IkeLoa_95, Indlovu_44, InigoMontoya_102, InterFolia_109, Iota_96, Issimir_100, ItsyBitsy1_46, Izajani_101, JAMaL_42, JPickles_99, JaguarMi_42, Janiyra_103, JayJay_107, Jaygup_101, Jedediah_104, JellyBelly_40, Jemmno_101, Jessibeth14_100, Jezreel_101, JigglyPuff_109, JoyceMaria_42, JulietS_95, JustHall_98, Kaleb_46, Kamryn_101, KarasumaRum_47, Karp_256, Kboogie_105, Khaleesi_100, Kheth_46, Knocker_47, Koguma_98, Kolhan_46, Konstantine_45, LRRHood_96, Labradorite_100, Lambano_41, Lars_46, Latch_101, Laurie_45, Lee7_99, Lephleur_46, Lethe_100, LifeSavor_100, Ligma_40, LilMcDreamy_43, LilSmirk_46, LilyPad_40, LinStu_101, LittleDigger_41, LittleFella_44, LittleMinkey_51, LittleMunchkin_42, Littleton_101, LizLemon_46, Loanshark_101, LolaVince_102, Lolalove_43, LookingGlass_102, LordLeafolot_106, Lukilu_92, Lunareta_100, Maby2021_101, Madi_37, Magpie_41, Mahdia_50, MakoManhole_42, Mangeria_101, Mariokart_40, MasterPo_46, Matsumoto_99, Maturis_99, McGee_103, McWolfish_99, Megamind_100, Megatron06_42, Melpomini_95, Merry_, MikeLiesIn_102, Mikro_99, Mithril_42, MoMoMixon_102, Moby_92, ModicumRichard_152, Moiqah_92, Momo_100, Montpel_100, Morgana_159, Morizzled23_101, MossRose_42, Mudslide_42, Myrna_229, NHagos_40, Naija_100, Nanao_41, Nangang_45, Napoleon13_97, Nappy_104, Naval22_109, NedWong_102, Ngannou_97, Nidhogg_102, Nigel_41, Nish23_43, NoodleTree_108, Norm_102, NuevoMundo_107, Oaker_40, ObLaDi_152, Opia_46, OrediggerDelux_99, ParkTD_102, Patter_101, PenguinLover67_48, Phabba_239, Phantasmagoria_46, PharkleMinkus_105, Phlegm_103, Phox_98, Phreeze_40, Phusco_101, Pier_105, Pinkcreek_92, Pio_105, Pivoine_100, Pleione_104, Poster_41, Primadonna_95, PrinceCharming_46, Prince_42, Puissant_41, Puppies_48, Pupusa_107, PurduePete_101, QBert_95, Quasimodo_102, QueenPie_41, Quesadilla_48, Rabinovish_99, Rahel_100, RawrgerThat_43, Reccee_46, RedWattleHog_178, Renkei_41, Rhinoforte_46, Rich_44, Rita130_46, Rizal_97, RoMag_96, Rocha_100, Ronan_95, Roots515_100, Rosebush_45, SVoro_99, Sabella_45, Saguaro_48, Salacia_105, Sauce_102, ScoobyDoobyDoo_226, ScottMcG_98, Sebata_103, Serendipitous_45, Shaqnato_94, Shatter_40, Shelob_103, Shenyu_45, ShiaLabeouf_100, Shifa_90, Shnickers_101, Shrimp_101, Sienna_37, SilverDipper_102, SirJeffery_46, Sisko_40, SmallFry_101, SoilZilla_97, Sour_45, SparkleGoddess_256, Spec_97, Specks_106, Sprinklers_97, Spud_101, SrishMeg2525_100, StephanieG_100, Stigma_254, Stinger_41, StinkyVeggy_47, Stormageddon_179, StubbySaigey_104, Stubby_94, Substance289_99, Suigeneris_46, Sunny_, Suzy_37, TA17A_47, Tainan_105, Teardrop_100, Terapin_38, Thales_63, Thumb_41, TinciduntSolum_47, TinyTim_101, Tonenili_116, Tortoise16_98, TraderJ_42, Tres_46, Trine_54, Trinitium_98, Turret_96, Tyke_102, ValleyTerrace_101, Vic9_00045, Vincenzo_43, VioletZ_44, Vortrix_115, Waleliano_42, Wally_100, West99_46, Westy_258, Widow_49, Willis_102, Wooper_42, Xincheng_41, Yago84_40, Yassified_98, YemiJoy2021_102,

Yeshua_42, YoungMoneyMata_102, Yucca_101, Zalkecks_102, Zeenon_103, Zemanar_43, Zenteno07_50, ZygoTaiga_100,

Summary by start number:

Start 22:

- Found in 1 of 711 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilMcDreamy_43 (B12),

Start 24:

- Found in 1 of 711 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlovu_44 (B11),

Start 25:

- Found in 38 of 711 (5.3%) of genes in pham
- Manual Annotations of this start: 37 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Allegro_46 (B2), Arbiter_45 (B2), Ares_46 (B2), Bananafish_46 (B2), Blocker23_46 (B2), Boyle_46 (B2), Brownie5_46 (B2), CRB2_48 (B9), Calamitous_46 (B2), Coffee_46 (B2), Eaglehorse_46 (B2), Faze9_45 (B2), FrenchFry_46 (B2), Glass_46 (B2), Godines_46 (B2), Hedgerow_46 (B2), Holeinone_46 (B2), ItsyBitsy1_46 (B2), Kaleb_46 (B2), Kheth_46 (B2), Kolhan_46 (B2), Lars_46 (B2), Laurie_45 (B2), Lephleur_46 (B2), LilSmirk_46 (B2), LizLemon_46 (B2), MasterPo_46 (B2), Opia_46 (B2), Phantasmagoria_46 (B2), PrinceCharming_46 (B2), Rhinoforte_46 (B2), Rosebush_45 (B2), Sabella_45 (B2), TA17A_47 (B2), Tinciduntolum_47 (B2), Tres_46 (B2), Vic9_00045 (B2), West99_46 (B2),

Start 27:

- Found in 20 of 711 (2.8%) of genes in pham
- Manual Annotations of this start: 12 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_46 (B5), Baee_45 (B5), BirdsNest_48 (B13), DigitDog_45 (B5), Donny_46 (B5), EastView9101_44 (B5), Hashim76_48 (B13), KarasumaRum_47 (B5), Knocker_47 (B9), LittleMinkey_51 (B13), Nangang_45 (B5), Reccee_46 (B5), Rich_44 (B5), Rita130_46 (B5), Serendipitous_45 (B5), Shenyu_45 (B5), SirJeffery_46 (B5), StinkyVeggy_47 (B5), Suigeneris_46 (B5), Zenteno07_50 (B13),

Start 33:

- Found in 38 of 711 (5.3%) of genes in pham
- Manual Annotations of this start: 26 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ahwei_41 (B4), Antihero_41 (B4), Apex_43 (B4), Austelle_43 (B4), BobbyK_43 (B4), BrownCNA_44 (B4), ChrisnMich_42 (B4), Cooper_43 (B4), Epah_41 (B4), Fanaw_41 (B4), Fortunato_43 (B4), Frederick_43 (B4), GinPorsche_42 (B4), Hally898_41 (B4), Hangman_42 (B4), Heath_41 (B4), Hydro_42 (B4), JAMaL_42 (B4), JaguarMi_42 (B4), JoyceMaria_42 (B4), Lambano_41 (B4), LittleDigger_41 (B4), Lolalove_43 (B4), Magpie_41 (B4),

Mithril_42 (B4), Mudslide_42 (B4), Nanao_41 (B4), Nigel_41 (B4), Poster_41 (B4), Prince_42 (B4), QueenPie_41 (B4), RawrgerThat_43 (B4), Renkei_41 (B4), Stinger_41 (B4), VioletZ_44 (B4), Waleliano_42 (B4), Xincheng_41 (B4), Zemanar_43 (B4),

Start 36:

- Found in 16 of 711 (2.3%) of genes in pham
- Manual Annotations of this start: 13 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnClar_41 (DR), Axumite_40 (DR), BiggityBass_40 (DR), BobRoss2024_39 (DR), CharlottesWeb_40 (DR), Fresco_40 (DR), JellyBelly_40 (DR), Ligma_40 (DR), LittleMunchkin_42 (DR), Mariokart_40 (DR), RedWattleHog_178 (DX), Shatter_40 (DR), Sisko_40 (DR), Sour_45 (DR), Stormageddon_179 (DX), Yago84_40 (DR),

Start 39:

- Found in 61 of 711 (8.6%) of genes in pham
- Manual Annotations of this start: 5 of 615
- Called 8.2% of time when present
- Phage (with cluster) where this start called: Astraea_98 (C1), Gamgam_101 (C1), JPickles_99 (C1), LifeSavor_100 (C1), Rizal_97 (C1),

Start 42:

- Found in 1 of 711 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trine_54 (CD),

Start 54:

- Found in 300 of 711 (42.2%) of genes in pham
- Manual Annotations of this start: 62 of 615
- Called 23.3% of time when present
- Phage (with cluster) where this start called: Aleia_47 (B1), Apizium_47 (B1), Ashraf_47 (B1), Banjo_46 (B1), Basato_48 (B1), CaspiBoi_46 (B1), Chah_49 (B1), CheetO_47 (B1), Chute_46 (B1), Colbert_47 (B1), Coletti_47 (B1), DoesntMatter_46 (B1), Fang_48 (B1), Flake_47 (B1), FleetyMac_47 (B1), FluffyNinja_48 (B1), Giraffe_47 (B1), Gyarad_0047 (B1), Happabalu_47 (B1), Harvey_47 (B1), Hertubise_47 (B1), ImtiyazSitla_47 (B1), Inverness_47 (B1), IsaacEli_48 (B1), Kikipoo_48 (B1), KlimbOn_47 (B1), LeeLot_47 (B1), Lehmann_47 (B1), Lopsy_46 (B1), Lulumae_46 (B1), Maskar_47 (B1), Mcshane_46 (B1), Megatron_48 (B1), Melc17_47 (B1), Mosaic_46 (B1), Murdoc_47 (B1), Nacho_0048 (B1), Newman_47 (B1), Nova1_47 (B1), Nyala_46 (B1), OSmaximus_48 (B1), Olive_47 (B1), OliverWalter_47 (B1), Oosterbaan_47 (B1), PhenghisKhan_46 (B1), Phergie_46 (B1), Phleuron_46 (B1), PhrankReynolds_45 (B1), Pipsqueak_47 (B1), Puhltonio_47 (B1), Riverton_47 (B1), Roy17_47 (B1), Schueller_46 (B1), Seir12_47 (B1), Serpentine_0047 (B1), Sigman_48 (B1), SilverBell_47 (B1), Squid_47 (B1), TallGrassMM_47 (B1), ThreeOh3D2_48 (B1), Thunderbird_46 (B1), TooFast2Furius_48 (B1), Triad_47 (B1), Trypo_48 (B1), UncleHowie_47 (B1), Vaishali24_46 (B1), Vaticameos_43 (B1), Vortex_47 (B1), Waterdiva_47 (B1), Xavier_46 (B1),

Start 58:

- Found in 302 of 711 (42.5%) of genes in pham

- Manual Annotations of this start: 3 of 615
- Called 1.0% of time when present
- Phage (with cluster) where this start called: JacAttac_48 (B1), Vista_47 (B1), Vivaldi_47 (B1),

Start 59:

- Found in 304 of 711 (42.8%) of genes in pham
- Manual Annotations of this start: 1 of 615
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Manad_46 (B1),

Start 60:

- Found in 2 of 711 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 615
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mahdia_50 (CD),

Start 62:

- Found in 2 of 711 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: AksarBAT_40 (DR),

Start 65:

- Found in 3 of 711 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Applejacks_53 (CD),

Start 67:

- Found in 3 of 711 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 615
- Called 66.7% of time when present
- Phage (with cluster) where this start called: AlanGrant_44 (B4), Vincenzo_43 (B4),

Start 70:

- Found in 1 of 711 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleFella_44 (DG2),

Start 73:

- Found in 63 of 711 (8.9%) of genes in pham
- Manual Annotations of this start: 10 of 615
- Called 17.5% of time when present
- Phage (with cluster) where this start called: Beckerton_40 (H1), BobtimousPrime_42 (H1), Cborch11_42 (H1), Damien_41 (H1), Konstantine_45 (H1), Megatron06_42 (H1), Nish23_43 (H1), Oaker_40 (H1), Phreeze_40 (H1), Puissant_41 (H1), Thumb_41 (H1),

Start 75:

- Found in 246 of 711 (34.6%) of genes in pham
- Manual Annotations of this start: 190 of 615

- Called 93.5% of time when present
- Phage (with cluster) where this start called: Ablatia_100 (C1), Ading_101 (C1), Adlitam_101 (C1), Alice_94 (C1), Amataga_101 (C1), AnarQue_42 (DR), ArcherS7_100 (C1), Asterius_104 (C1), Atlantean_100 (C1), Audrick_103 (C1), Ava3_102 (C1), Babyland_102 (C1), BackyardAgain_98 (C1), BadAgartude_97 (C1), BananaFence_100 (C1), Bangla1971_102 (C1), Basquiat_98 (C1), BeanWater_93 (C1), Belieber_97 (C1), Bezza_90 (C1), BigCity_109 (C1), Bigswole_106 (C1), Bipolarisk_100 (C1), Blackbrain_96 (C1), Blackdragon_97 (C1), Blackpen_42 (DR), Blubba_90 (C1), BobaPhatt_97 (C1), Bonray_101 (C1), Bowman_98 (C1), Bread_101 (C1), Breeniome_100 (C1), Burrough_101 (C1), Bxz1_99 (C1), Cactojaque_96 (C1), CaiB_42 (DR), Cali_97 (C1), Cane17_90 (C1), Capablanca_103 (C1), Caravan_96 (C1), Catera_98 (C1), Chargie21_98 (C1), CharlieB_97 (C1), ChaylaJr_96 (C1), ChickenPhender_97 (C1), Chomp_100 (C1), CindyLou_102 (C1), Cleatunium_95 (C1), CloverMinnie_42 (DR), Coldpizza_43 (DR), Colt_91 (C1), Concombre_108 (C1), DTDevon_102 (C1), Daffodil_106 (C1), DalanDe_65 (DQ), Dandelion_108 (C1), Darko_101 (C1), DeejaClivia_90 (C1), Delilah_101 (C1), Delylah_104 (C1), Demodog_108 (C1), Derek_101 (C1), Dessert_98 (C1), Dietrick_93 (C1), DirtMonster_95 (C1), Domi_95 (C1), DrPhinkDaddy_100 (C1), Drazdys_100 (C1), Duckfeet_94 (C1), ET08_90 (C1), EasyJones_104 (C1), EggyFarm_109 (C1), EmToTheThree_104 (C1), EmmaElysia_101 (C1), Erdmann_102 (C1), ErnieJ_97 (C1), Essence_98 (C1), Evaa_40 (DR), Ewok_102 (C1), FelixTres_42 (DR), Fixie_98 (C1), Flabslab_95 (C1), Fludd_102 (C1), Fongie_99 (C1), FoxtrotP1_101 (C1), FrayBell_106 (C1), FudgeTart_101 (C1), Gabriel_102 (C1), Ghost_100 (C1), Gizmo_105 (C1), GlutenPhree_102 (C1), Grasshills_108 (C1), Grungle_89 (C1), Guwapp_100 (C1), Halldule_95 (C1), HyRo_93 (C1), I3_107 (C1), IkeLoa_95 (C1), InigoMontoya_102 (C1), InterFolia_109 (C1), Iota_96 (C1), Issimir_100 (C1), Izajani_101 (C1), Janiyra_103 (C1), JayJay_107 (C1), Jaygup_101 (C1), Jedediah_104 (C1), Jemmno_101 (C1), Jessibeth14_100 (C1), Jezreel_101 (C1), JigglyPuff_109 (C1), JulietS_95 (C1), JustHall_98 (C1), Kamryn_101 (C1), Kboogie_105 (C1), Khaleesi_100 (C1), Koguma_98 (C1), LRRHood_96 (C1), Labradorite_100 (C1), Latch_101 (C1), Lee7_99 (C1), Lethe_100 (C1), LinStu_101 (C1), Littleton_101 (C1), Loanshark_101 (C1), LolaVinca_102 (C1), LookingGlass_102 (C1), LordLeafot_106 (C1), Lukilu_92 (C1), Lunareta_100 (C1), Maby2021_101 (C1), MakoManhole_42 (DR), Mangeria_101 (C1), Matsumoto_99 (C1), Maturis_99 (C1), McGee_103 (C1), McWolfish_99 (C1), Megamind_100 (C1), Melpomini_95 (C1), MikeLiesIn_102 (C1), Mikro_99 (C1), MoMoMixon_102 (C1), Moby_92 (C1), Moiqah_92 (C1), Momo_100 (C1), Montpel_100 (C1), Morizzled23_101 (C1), MossRose_42 (DR), NHagos_40 (DR), Naija_100 (C1), Napoleon13_97 (C1), Nappy_104 (C1), Naval22_109 (C1), NedWong_102 (C1), Ngannou_97 (C1), Nidhogg_102 (C1), NoodleTree_108 (C1), Norm_102 (C1), NuevoMundo_107 (C1), OrediggerDelux_99 (C1), ParkTD_102 (C1), Patter_101 (C1), PharkleMinkus_105 (C1), Phlegm_103 (C1), Phox_98 (C1), Phusco_101 (C1), Pier_105 (C1), Pinkcreek_92 (C1), Pio_105 (C1), Pivoine_100 (C1), Pleione_104 (C1), Primadonna_95 (C1), Pupusa_107 (C1), PurduePete_101 (C1), QBert_95 (C1), Quasimodo_102 (C1), Rabinovish_99 (C1), Rahel_100 (C1), RoMag_96 (C1), Rocha_100 (C1), Ronan_95 (C1), Roots515_100 (C1), SDcharge11_47 (B1), SVoro_99 (C1), Salacia_105 (C1), Sauce_102 (C1), ScoobyDoobyDoo_226 (C2), ScottMcG_98 (C1), Sebata_103 (C1), Shaqnato_94 (C1), Shelob_103 (C1), ShiaLabeouf_100 (C1), Shifa_90 (C1), Shnickers_101 (C1), Shrimp_101 (C1), SilverDipper_102 (C1), SmallFry_101 (C1), SoilZilla_97 (C1), Spec_97 (C1), Specks_106 (C1), Sprinklers_97 (C1), Spud_101 (C1), SrishMeg2525_100 (C1), StephanieG_100 (C1), StubbySaigey_104 (C1), Stubby_94 (C1), Substance289_99 (C1), Tainan_105 (C1), Teardrop_100 (C1), Thales_63 (DQ), TinyTim_101 (C1),

Tonenili_116 (C1), Tortoise16_98 (C1), TraderJ_42 (DR), Trinitium_98 (C1), Turret_96 (C1), Tyke_102 (C1), ValleyTerrace_101 (C1), Vortrix_115 (C1), Wally_100 (C1), Willis_102 (C1), Wooper_42 (DR), Yassified_98 (C1), YemiJoy2021_102 (C1), Yeshua_42 (DR), YoungMoneyMata_102 (C1), Yucca_101 (C1), Zalkecks_102 (C1), Zeenon_103 (C1), ZygoTaiga_100 (C1),

Start 78:

- Found in 2 of 711 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Puppies_48 (CD), Widow_49 (CD),

Start 79:

- Found in 17 of 711 (2.4%) of genes in pham
- Manual Annotations of this start: 2 of 615
- Called 17.6% of time when present
- Phage (with cluster) where this start called: Greely_236 (C2), Myrna_229 (C2), Phabba_239 (C2),

Start 83:

- Found in 10 of 711 (1.4%) of genes in pham
- Manual Annotations of this start: 8 of 615
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Beyoncage_37 (DG1), BiteSize_37 (DG1), Djokovic_37 (DG1), LilyPad_40 (DG1), Madi_37 (DG1), Sienna_37 (DG1), Suzy_37 (DG1), Terapin_38 (DG1),

Start 86:

- Found in 3 of 711 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PenguinLover67_48 (B9), Quesadilla_48 (B9), Saguario_48 (B7),

Start 92:

- Found in 315 of 711 (44.3%) of genes in pham
- Manual Annotations of this start: 220 of 615
- Called 76.2% of time when present
- Phage (with cluster) where this start called: ABU_48 (B1), AbsoluteMadLad_46 (B1), Adriana_48 (B1), Aelin_46 (B1), AltPhacts_47 (B1), Altwerkus_46 (B1), Anderson_47 (B1), Andre_48 (B1), AngelCake_47 (B1), Antonia_46 (B1), Aonishiki_47 (B1), Badfish_48 (B1), BatteryCK_46 (B1), Beaglebox_46 (B1), Bishoperium_46 (B1), BlackStallion_48 (B1), BlacksBerry_46 (B1), BlueHusk_47 (B1), Bluephacebaby_46 (B1), Boehler_47 (B1), BoogieWoogie_46 (B1), Brilliant_47 (B1), Buckeye_47 (B1), Burr_46 (B1), CamL_47 (B1), CampRoach_48 (B1), Cannibal_47 (B1), Carthage_45 (B1), Chaelin_47 (B1), Charles1_47 (B1), CharlieGBrown_46 (B1), Cher_46 (B1), Childish_46 (B1), Chipette_48 (B1), Chorkpop_47 (B1), Chuni_46 (B1), Chunky_47 (B1), Cobra_47 (B1), Cornbread_46 (B1), Cornobble_46 (B1), Cosmolli16_46 (B1), Craff_48 (B1), Crownjwl_47 (B1), DaddyDaniels_47 (B1), Daffy_47 (B1), Daka_48 (B1), Dati_47 (B1), DelRivs_46 (B1), Derpp_46 (B1), Dice_46 (B1), Dingo_47 (B1), Dione_46 (B1), DirtJuice_47 (B1), Doddsville_47 (B1), DoIOn_50 (B1), DonSanhon_46 (B1), DuchessDung_46 (B1), Duggie_46 (B1), Durga_48 (B1), ElvisPhasley_48 (B1), EmGer13_47 (B1), Emiris_48 (B1), EmpTee_47 (B1),

Eremos_47 (B1), Etaye_47 (B1), Eugenia_47 (B1), Fozzie_46 (B1), Frankicide_47 (B1), FremontTroll_47 (B1), Freya_46 (B1), FriarPreacher_46 (B1), Fringe_48 (B1), FugateOSU_46 (B1), Gareth_46 (B1), GeneCoco_47 (B1), Gophee_47 (B1), Grand2040_46 (B1), GreenChile_47 (B1), Gwennie1_47 (B1), Gwilliam_47 (B1), HSavage_47 (B1), Haimas_47 (B1), Haleema_46 (B1), Hamish_47 (B1), Hartsy_47 (B1), Hekos_44 (B1), Held_47 (B1), HenryJackson_46 (B1), Hetaeria_47 (B1), HighStump_47 (B1), Hocus_46 (B1), HogWash_47 (B1), Horchata_47 (B1), Inchworm_48 (B1), Iridessa_47 (B1), Iridoclysis_47 (B1), JDog_46 (B1), JakeO_46 (B1), JangoPhett_47 (B1), Jesabah_47 (B1), Jillium_46 (B1), Jiminy_46 (B1), Jiraiya_46 (B1), KLucky39_47 (B1), Kahve_46 (B1), Kailash_47 (B1), Karn_46 (B1), Katniss_48 (B1), Keitherie_47 (B1), Khan1_47 (B1), Kimbrough_47 (B1), KingTut_38 (B1), KingVeVeVe_47 (B1), Kloppinator_47 (B1), Kwadwo_46 (B1), Kwksand96_46 (B1), Labeouficaum_46 (B1), Larson_48 (B1), LasagnaCat_48 (B1), Lasso_47 (B1), Lego3393_46 (B1), Legolas_47 (B1), LeiMonet_47 (B1), LemonSlice_47 (B1), Longacauda_46 (B1), LostAndPhound_46 (B1), LuckyMarjie_46 (B1), Lulwa_47 (B1), Lumine_46 (B1), MRabcd_46 (B1), Mag7_46 (B1), Magic8_47 (B1), Mana_46 (B1), Maru_46 (B1), Matalotodo_47 (B1), Mecca_46 (B1), Megamind20_47 (B1), MelsMeow_47 (B1), Mesh1_47 (B1), Mesmerelda_46 (B1), MichaelPhcott_46 (B1), Mikota_47 (B1), MiniBoss_47 (B1), MitKao_47 (B1), Morgushi_47 (B1), Morty_48 (B1), MrPhizzler_47 (B1), Mulan_47 (B1), Mutante_46 (B1), Nathan_47 (B1), NiaNia_49 (B1), Nicole21_47 (B1), Numberten_47 (B1), Olak_46 (B1), Oline_46 (B1), Omniscient_47 (B1), OneBrain_48 (B1), Orfeu_46 (B1), Orion_48 (B1), Orwigg_46 (B1), PG1_48 (B1), Pacifista_46 (B1), PallasAthena_47 (B1), Phamished_48 (B1), Phareon_47 (B1), PhatCats2014_48 (B1), PhatLouie_47 (B1), Pherdinand_48 (B1), PhrodoBaggins_47 (B1), Phunky_47 (B1), Piglet_0046 (B1), PinheadLarry_47 (B1), Pinkman_46 (B1), Placalicious_46 (B1), Plata_46 (B1), Plmatters_47 (B1), Podrick_47 (B1), Pops_47 (B1), Potter_46 (B1), Prickles_47 (B1), ProfessorX_47 (B1), QueenBeane_47 (B1), Quisquiliae_47 (B1), RedMaple_47 (B1), RedRaider89_48 (B1), Ricotta_46 (B1), Riggan_47 (B1), Rimu_47 (B1), Robyn_46 (B1), Roliet_47 (B1), Roscoe_48 (B1), SallyH_48 (B1), Samaymay_47 (B1), SassyCat97_46 (B1), Schadenfreude_46 (B1), Scoot17C_48 (B1), Scrick_47 (B1), Serendipity_47 (B1), ShadowBud_47 (B1), Sheila_47 (B1), ShiVal_47 (B1), Simielle_46 (B1), SirBeauregard_47 (B1), Skippy_47 (B1), Slatt_47 (B1), Soile_47 (B1), Solosis_46 (B1), Sophia_46 (B1), Soto_47 (B1), Spartan300_47 (B1), Squiggle_47 (B1), Struggle_46 (B1), Suffolk_47 (B1), Surely_47 (B1), Swiphy_47 (B1), Swish_48 (B1), Taraxa_47 (B1), Telesworld_46 (B1), Thora_47 (B1), Timmi_46 (B1), TomBombadil_47 (B1), Tomlarah_47 (B1), Toni_46 (B1), Tooj_47 (B1), True_46 (B1), TyrionL_46 (B1), UAch1_47 (B1), Usavi_47 (B1), Valjean_47 (B1), Veritas_46 (B1), Virapocalypse_47 (B1), Virgeve_46 (B1), Wallhey_46 (B1), Weher20_47 (B1), Windsor_46 (B1), Yoshand_48 (B1), YouGoGlencoco_47 (B1), Zaider_48 (B1), Zelda_47 (B1), Zonia_47 (B1),

Start 108:

- Found in 5 of 711 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 615
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_150 (DZ), Cafasso_152 (DZ), ModicumRichard_152 (DZ), Morgana_159 (DZ), ObLaDi_152 (DZ),

Start 109:

- Found in 2 of 711 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 615
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Merry_ (EC), Sunny_ (EC),

Start 120:

- Found in 19 of 711 (2.7%) of genes in pham
- Manual Annotations of this start: 6 of 615
- Called 31.6% of time when present
- Phage (with cluster) where this start called: Belfort_257 (BK1), Comrade_252 (BK1), Karp_256 (BK1), SparkleGoddess_256 (BK1), Stigma_254 (BK1), Westy_258 (BK1),

Start 124:

- Found in 5 of 711 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 615
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Gustav_54 (CD),

Summary by clusters:

There are 21 clusters represented in this pham: DG2, DZ, DX, B7, B12, H1, EC, CD, B4, B5, DG1, B13, B1, B2, B11, C2, C1, DQ, DR, B9, BK1,

Info for manual annotations of cluster B1:

- Start number 54 was manually annotated 62 times for cluster B1.
- Start number 58 was manually annotated 3 times for cluster B1.
- Start number 59 was manually annotated 1 time for cluster B1.
- Start number 75 was manually annotated 1 time for cluster B1.
- Start number 92 was manually annotated 220 times for cluster B1.

Info for manual annotations of cluster B11:

- Start number 24 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 22 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 27 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 25 was manually annotated 36 times for cluster B2.

Info for manual annotations of cluster B4:

- Start number 33 was manually annotated 26 times for cluster B4.
- Start number 67 was manually annotated 2 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 27 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B7:

- Start number 86 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:

- Start number 25 was manually annotated 1 time for cluster B9.
- Start number 27 was manually annotated 1 time for cluster B9.
- Start number 86 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster BK1:

- Start number 120 was manually annotated 6 times for cluster BK1.

Info for manual annotations of cluster C1:

- Start number 39 was manually annotated 5 times for cluster C1.
- Start number 75 was manually annotated 176 times for cluster C1.

Info for manual annotations of cluster C2:

- Start number 75 was manually annotated 1 time for cluster C2.
- Start number 79 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster CD:

- Start number 42 was manually annotated 1 time for cluster CD.
- Start number 60 was manually annotated 1 time for cluster CD.
- Start number 78 was manually annotated 2 times for cluster CD.
- Start number 124 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster DG1:

- Start number 83 was manually annotated 8 times for cluster DG1.

Info for manual annotations of cluster DG2:

- Start number 70 was manually annotated 1 time for cluster DG2.

Info for manual annotations of cluster DQ:

- Start number 75 was manually annotated 1 time for cluster DQ.

Info for manual annotations of cluster DR:

- Start number 36 was manually annotated 11 times for cluster DR.
- Start number 75 was manually annotated 11 times for cluster DR.

Info for manual annotations of cluster DX:

- Start number 36 was manually annotated 2 times for cluster DX.

Info for manual annotations of cluster DZ:

- Start number 108 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EC:

- Start number 109 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster H1:

- Start number 73 was manually annotated 10 times for cluster H1.

Gene Information:

Gene: ABU_48 Start: 40410, Stop: 39850, Start Num: 92

Candidate Starts for ABU_48:

(Start: 54 @40494 has 62 MA's), (Start: 58 @40488 has 3 MA's), (Start: 59 @40485 has 1 MA's), (Start: 92 @40410 has 220 MA's), (115, 40341), (117, 40338), (119, 40335), (135, 40281), (201, 40068),

Gene: Ablatia_100 Start: 50692, Stop: 51324, Start Num: 75

Candidate Starts for Ablatia_100:

(Start: 75 @50692 has 190 MA's), (187, 51031), (203, 51109), (224, 51217), (240, 51319),

Gene: AbsoluteMadLad_46 Start: 40287, Stop: 39727, Start Num: 92

Candidate Starts for AbsoluteMadLad_46:

(Start: 54 @40371 has 62 MA's), (Start: 58 @40365 has 3 MA's), (Start: 59 @40362 has 1 MA's),
(Start: 92 @40287 has 220 MA's), (115, 40218), (117, 40215), (119, 40212), (135, 40158), (201,
39945), (238, 39738),

Gene: Acadian_46 Start: 40902, Stop: 40117, Start Num: 27

Candidate Starts for Acadian_46:

(Start: 27 @40902 has 12 MA's), (46, 40815), (Start: 73 @40740 has 10 MA's), (84, 40713), (121,
40614), (201, 40335), (205, 40320),

Gene: Ading_101 Start: 51076, Stop: 51708, Start Num: 75

Candidate Starts for Ading_101:

(Start: 39 @50989 has 5 MA's), (Start: 75 @51076 has 190 MA's), (187, 51415), (203, 51493), (224,
51601), (240, 51703),

Gene: Adlitam_101 Start: 51093, Stop: 51725, Start Num: 75

Candidate Starts for Adlitam_101:

(Start: 39 @51006 has 5 MA's), (Start: 75 @51093 has 190 MA's), (187, 51432), (203, 51510), (224,
51618), (240, 51720),

Gene: Adriana_48 Start: 40408, Stop: 39848, Start Num: 92

Candidate Starts for Adriana_48:

(Start: 54 @40492 has 62 MA's), (Start: 58 @40486 has 3 MA's), (Start: 59 @40483 has 1 MA's),
(Start: 92 @40408 has 220 MA's), (115, 40339), (117, 40336), (119, 40333), (135, 40279), (201,
40066),

Gene: Aelin_46 Start: 39839, Stop: 39279, Start Num: 92

Candidate Starts for Aelin_46:

(Start: 54 @39923 has 62 MA's), (Start: 58 @39917 has 3 MA's), (Start: 59 @39914 has 1 MA's),
(Start: 92 @39839 has 220 MA's), (115, 39770), (117, 39767), (119, 39764), (178, 39599), (201,
39497), (238, 39290),

Gene: Ahwei_41 Start: 39395, Stop: 38667, Start Num: 33

Candidate Starts for Ahwei_41:

(Start: 33 @39395 has 26 MA's), (Start: 79 @39254 has 2 MA's), (88, 39233), (94, 39218), (128,
39113), (176, 38993), (178, 38987), (201, 38885), (212, 38840),

Gene: AksarBAT_40 Start: 34482, Stop: 33889, Start Num: 62

Candidate Starts for AksarBAT_40:

(1, 34971), (7, 34806), (37, 34560), (47, 34527), (Start: 59 @34491 has 1 MA's), (62, 34482), (Start: 75
@34452 has 190 MA's), (105, 34383), (138, 34296), (162, 34221), (197, 34131), (214, 34044), (235,
33909),

Gene: AlanGrant_44 Start: 41068, Stop: 40448, Start Num: 67

Candidate Starts for AlanGrant_44:

(Start: 67 @41068 has 2 MA's), (114, 40942), (126, 40909), (133, 40882), (140, 40849), (176, 40774),
(178, 40768), (197, 40702), (212, 40621), (230, 40528), (238, 40459),

Gene: Aleemily_150 Start: 79028, Stop: 78519, Start Num: 108

Candidate Starts for Aleemily_150:

(81, 79109), (96, 79070), (Start: 108 @79028 has 5 MA's), (125, 78986), (151, 78881), (175, 78836), (197, 78764), (222, 78647), (232, 78563),

Gene: Aleia_47 Start: 39928, Stop: 39290, Start Num: 54

Candidate Starts for Aleia_47:

(Start: 54 @39928 has 62 MA's), (Start: 58 @39922 has 3 MA's), (Start: 59 @39919 has 1 MA's), (Start: 92 @39844 has 220 MA's), (115, 39781), (117, 39778), (119, 39775), (135, 39721), (201, 39508), (238, 39301),

Gene: Alice_94 Start: 49991, Stop: 50623, Start Num: 75

Candidate Starts for Alice_94:

(Start: 75 @49991 has 190 MA's), (187, 50330), (203, 50408), (224, 50516), (240, 50618),

Gene: Allegro_46 Start: 40703, Stop: 39927, Start Num: 25

Candidate Starts for Allegro_46:

(Start: 25 @40703 has 37 MA's), (34, 40649), (46, 40604), (69, 40547), (Start: 73 @40538 has 10 MA's), (74, 40535), (77, 40526), (110, 40439), (119, 40424), (141, 40340), (178, 40247), (193, 40196), (201, 40145), (210, 40106),

Gene: AltPhacts_47 Start: 40259, Stop: 39699, Start Num: 92

Candidate Starts for AltPhacts_47:

(Start: 75 @40301 has 190 MA's), (Start: 92 @40259 has 220 MA's), (115, 40190), (117, 40187), (119, 40184), (201, 39917), (217, 39851), (238, 39710),

Gene: Altwerkus_46 Start: 39966, Stop: 39406, Start Num: 92

Candidate Starts for Altwerkus_46:

(Start: 54 @40050 has 62 MA's), (Start: 58 @40044 has 3 MA's), (Start: 59 @40041 has 1 MA's), (Start: 92 @39966 has 220 MA's), (115, 39897), (117, 39894), (119, 39891), (178, 39726), (201, 39624), (238, 39417),

Gene: Amataga_101 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for Amataga_101:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224, 50863), (240, 50965),

Gene: AnClar_41 Start: 36812, Stop: 36102, Start Num: 36

Candidate Starts for AnClar_41:

(Start: 36 @36812 has 13 MA's), (116, 36614), (141, 36521), (178, 36416), (201, 36314), (205, 36299), (215, 36251),

Gene: AnarQue_42 Start: 35868, Stop: 35293, Start Num: 75

Candidate Starts for AnarQue_42:

(Start: 75 @35868 has 190 MA's), (98, 35829), (137, 35718), (149, 35679), (191, 35556), (195, 35544), (197, 35535), (204, 35493), (205, 35490), (207, 35478),

Gene: Anderson_47 Start: 40265, Stop: 39705, Start Num: 92

Candidate Starts for Anderson_47:

(Start: 54 @40349 has 62 MA's), (Start: 58 @40343 has 3 MA's), (Start: 59 @40340 has 1 MA's), (Start: 92 @40265 has 220 MA's), (115, 40196), (117, 40193), (119, 40190), (135, 40136), (201, 39923), (238, 39716),

Gene: Andre_48 Start: 40402, Stop: 39842, Start Num: 92

Candidate Starts for Andre_48:

(Start: 54 @40486 has 62 MA's), (Start: 58 @40480 has 3 MA's), (Start: 59 @40477 has 1 MA's),
(Start: 92 @40402 has 220 MA's), (115, 40333), (117, 40330), (119, 40327), (201, 40060),

Gene: AngelCake_47 Start: 40287, Stop: 39727, Start Num: 92

Candidate Starts for AngelCake_47:

(Start: 54 @40371 has 62 MA's), (Start: 58 @40365 has 3 MA's), (Start: 59 @40362 has 1 MA's),
(Start: 92 @40287 has 220 MA's), (115, 40218), (117, 40215), (119, 40212), (135, 40158), (201,
39945), (238, 39738),

Gene: Antihero_41 Start: 39395, Stop: 38667, Start Num: 33

Candidate Starts for Antihero_41:

(Start: 33 @39395 has 26 MA's), (Start: 79 @39254 has 2 MA's), (88, 39233), (94, 39218), (128,
39113), (176, 38993), (178, 38987), (201, 38885), (212, 38840),

Gene: Antonia_46 Start: 39839, Stop: 39279, Start Num: 92

Candidate Starts for Antonia_46:

(Start: 54 @39923 has 62 MA's), (Start: 58 @39917 has 3 MA's), (Start: 59 @39914 has 1 MA's),
(Start: 92 @39839 has 220 MA's), (115, 39770), (117, 39767), (119, 39764), (178, 39599), (201,
39497), (238, 39290),

Gene: Aonishiki_47 Start: 40308, Stop: 39748, Start Num: 92

Candidate Starts for Aonishiki_47:

(Start: 54 @40392 has 62 MA's), (Start: 58 @40386 has 3 MA's), (Start: 59 @40383 has 1 MA's),
(Start: 92 @40308 has 220 MA's), (115, 40239), (117, 40236), (119, 40233), (135, 40179), (178,
40068), (201, 39966), (238, 39759),

Gene: Apex_43 Start: 40637, Stop: 39879, Start Num: 33

Candidate Starts for Apex_43:

(Start: 33 @40637 has 26 MA's), (48, 40568), (90, 40460), (100, 40430), (117, 40382), (123, 40370),
(136, 40325), (171, 40214), (178, 40199), (201, 40097), (212, 40052), (217, 40031), (220, 40013),
(235, 39905),

Gene: Apizium_47 Start: 40250, Stop: 39606, Start Num: 54

Candidate Starts for Apizium_47:

(Start: 54 @40250 has 62 MA's), (Start: 58 @40244 has 3 MA's), (Start: 59 @40241 has 1 MA's),
(Start: 92 @40166 has 220 MA's), (115, 40097), (117, 40094), (119, 40091), (135, 40037), (201,
39824), (238, 39617),

Gene: Applejacks_53 Start: 38314, Stop: 37676, Start Num: 65

Candidate Starts for Applejacks_53:

(51, 38347), (64, 38317), (65, 38314), (101, 38221), (107, 38200), (113, 38188), (133, 38119), (135,
38116), (178, 37993), (194, 37939), (197, 37927), (201, 37891), (211, 37849), (230, 37750),

Gene: Arbiter_45 Start: 40777, Stop: 40013, Start Num: 25

Candidate Starts for Arbiter_45:

(Start: 25 @40777 has 37 MA's), (34, 40735), (46, 40690), (69, 40633), (Start: 73 @40624 has 10
MA's), (74, 40621), (77, 40612), (110, 40525), (119, 40510), (141, 40426), (178, 40333), (193, 40282),
(201, 40231), (210, 40192),

Gene: ArcherS7_100 Start: 50656, Stop: 51288, Start Num: 75

Candidate Starts for ArcherS7_100:

(Start: 39 @50569 has 5 MA's), (Start: 75 @50656 has 190 MA's), (187, 50995), (203, 51073), (224, 51181), (240, 51283),

Gene: Ares_46 Start: 40761, Stop: 39997, Start Num: 25

Candidate Starts for Ares_46:

(Start: 25 @40761 has 37 MA's), (46, 40674), (69, 40617), (Start: 73 @40608 has 10 MA's), (74, 40605), (77, 40596), (110, 40509), (119, 40494), (141, 40410), (178, 40317), (193, 40266), (201, 40215), (210, 40176),

Gene: Ashraf_47 Start: 40051, Stop: 39407, Start Num: 54

Candidate Starts for Ashraf_47:

(Start: 54 @40051 has 62 MA's), (Start: 58 @40045 has 3 MA's), (Start: 59 @40042 has 1 MA's), (Start: 92 @39967 has 220 MA's), (115, 39898), (117, 39895), (119, 39892), (135, 39838), (201, 39625),

Gene: Asterius_104 Start: 51325, Stop: 51963, Start Num: 75

Candidate Starts for Asterius_104:

(Start: 75 @51325 has 190 MA's), (187, 51670), (203, 51748), (224, 51856), (240, 51958),

Gene: Astraea_98 Start: 50020, Stop: 50739, Start Num: 39

Candidate Starts for Astraea_98:

(Start: 39 @50020 has 5 MA's), (Start: 75 @50107 has 190 MA's), (187, 50446), (203, 50524), (224, 50632), (240, 50734),

Gene: Atlantean_100 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for Atlantean_100:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224, 50863), (240, 50965),

Gene: Audrick_103 Start: 50317, Stop: 50949, Start Num: 75

Candidate Starts for Audrick_103:

(Start: 39 @50230 has 5 MA's), (Start: 75 @50317 has 190 MA's), (187, 50656), (203, 50734), (224, 50842), (240, 50944),

Gene: Austelle_43 Start: 41087, Stop: 40329, Start Num: 33

Candidate Starts for Austelle_43:

(Start: 33 @41087 has 26 MA's), (48, 41018), (90, 40910), (100, 40880), (117, 40832), (123, 40820), (136, 40775), (171, 40664), (178, 40649), (201, 40547), (212, 40502), (220, 40463), (235, 40355),

Gene: Ava3_102 Start: 51251, Stop: 51883, Start Num: 75

Candidate Starts for Ava3_102:

(Start: 75 @51251 has 190 MA's), (187, 51590), (224, 51776), (240, 51878),

Gene: Axumite_40 Start: 34038, Stop: 33349, Start Num: 36

Candidate Starts for Axumite_40:

(20, 34119), (30, 34071), (Start: 36 @34038 has 13 MA's), (98, 33888), (100, 33876), (103, 33867), (184, 33642), (201, 33561), (205, 33546), (215, 33498),

Gene: Babyland_102 Start: 50426, Stop: 51058, Start Num: 75

Candidate Starts for Babyland_102:

(Start: 75 @50426 has 190 MA's), (187, 50765), (203, 50843), (224, 50951), (240, 51053),

Gene: BackyardAgain_98 Start: 50256, Stop: 50888, Start Num: 75

Candidate Starts for BackyardAgain_98:

(Start: 75 @50256 has 190 MA's), (187, 50595), (203, 50673), (224, 50781), (240, 50883),

Gene: BadAgartude_97 Start: 51776, Stop: 52408, Start Num: 75

Candidate Starts for BadAgartude_97:

(Start: 39 @51689 has 5 MA's), (Start: 75 @51776 has 190 MA's), (187, 52115), (203, 52193), (224, 52301), (240, 52403),

Gene: Badfish_48 Start: 40433, Stop: 39873, Start Num: 92

Candidate Starts for Badfish_48:

(Start: 54 @40517 has 62 MA's), (Start: 58 @40511 has 3 MA's), (Start: 59 @40508 has 1 MA's), (Start: 92 @40433 has 220 MA's), (115, 40364), (117, 40361), (119, 40358), (135, 40304), (201, 40091),

Gene: Baee_45 Start: 40787, Stop: 40020, Start Num: 27

Candidate Starts for Baee_45:

(Start: 27 @40787 has 12 MA's), (55, 40664), (Start: 73 @40625 has 10 MA's), (84, 40598), (121, 40499), (141, 40424), (150, 40391), (178, 40340), (201, 40238), (202, 40232), (205, 40223),

Gene: BananaFence_100 Start: 51510, Stop: 52142, Start Num: 75

Candidate Starts for BananaFence_100:

(Start: 75 @51510 has 190 MA's), (187, 51849), (203, 51927), (224, 52035), (240, 52137),

Gene: Bananafish_46 Start: 40697, Stop: 39933, Start Num: 25

Candidate Starts for Bananafish_46:

(Start: 25 @40697 has 37 MA's), (46, 40610), (69, 40553), (Start: 73 @40544 has 10 MA's), (74, 40541), (77, 40532), (110, 40445), (119, 40430), (141, 40346), (178, 40253), (193, 40202), (201, 40151), (210, 40112),

Gene: Bangla1971_102 Start: 50786, Stop: 51418, Start Num: 75

Candidate Starts for Bangla1971_102:

(Start: 39 @50699 has 5 MA's), (Start: 75 @50786 has 190 MA's), (187, 51125), (203, 51203), (224, 51311), (240, 51413),

Gene: Banjo_46 Start: 40048, Stop: 39410, Start Num: 54

Candidate Starts for Banjo_46:

(Start: 54 @40048 has 62 MA's), (Start: 58 @40042 has 3 MA's), (Start: 59 @40039 has 1 MA's), (Start: 92 @39964 has 220 MA's), (115, 39901), (117, 39898), (119, 39895), (135, 39841), (201, 39628), (217, 39562), (238, 39421),

Gene: Basato_48 Start: 40633, Stop: 39989, Start Num: 54

Candidate Starts for Basato_48:

(Start: 54 @40633 has 62 MA's), (Start: 58 @40627 has 3 MA's), (Start: 59 @40624 has 1 MA's), (Start: 92 @40549 has 220 MA's), (115, 40480), (117, 40477), (119, 40474), (135, 40420), (201, 40207), (238, 40000),

Gene: Basquiat_98 Start: 50225, Stop: 50857, Start Num: 75

Candidate Starts for Basquiat_98:

(Start: 75 @50225 has 190 MA's), (187, 50564), (203, 50642), (224, 50750), (240, 50852),

Gene: BatteryCK_46 Start: 39892, Stop: 39332, Start Num: 92

Candidate Starts for BatteryCK_46:

(Start: 54 @39976 has 62 MA's), (Start: 58 @39970 has 3 MA's), (Start: 59 @39967 has 1 MA's),
(Start: 92 @39892 has 220 MA's), (117, 39820), (119, 39817), (135, 39763), (178, 39652), (201,
39550), (238, 39343),

Gene: Beaglebox_46 Start: 39985, Stop: 39431, Start Num: 92

Candidate Starts for Beaglebox_46:

(Start: 54 @40069 has 62 MA's), (Start: 58 @40063 has 3 MA's), (Start: 59 @40060 has 1 MA's),
(Start: 92 @39985 has 220 MA's), (115, 39922), (117, 39919), (119, 39916), (135, 39862), (201,
39649), (217, 39583), (238, 39442),

Gene: BeanWater_93 Start: 51106, Stop: 51738, Start Num: 75

Candidate Starts for BeanWater_93:

(Start: 75 @51106 has 190 MA's), (187, 51445), (203, 51523), (224, 51631), (240, 51733),

Gene: Beckerton_40 Start: 37541, Stop: 38173, Start Num: 73

Candidate Starts for Beckerton_40:

(Start: 73 @37541 has 10 MA's), (104, 37628), (106, 37637), (Start: 120 @37670 has 6 MA's), (134,
37715), (197, 37907), (198, 37916), (207, 37970), (215, 38009), (222, 38039), (234, 38135), (238,
38159),

Gene: Belfort_257 Start: 123112, Stop: 123585, Start Num: 120

Candidate Starts for Belfort_257:

(112, 123094), (Start: 120 @123112 has 6 MA's), (164, 123238), (166, 123241), (179, 123274), (198,
123349), (203, 123385), (218, 123442), (222, 123460), (235, 123565),

Gene: Belieber_97 Start: 50572, Stop: 51204, Start Num: 75

Candidate Starts for Belieber_97:

(Start: 75 @50572 has 190 MA's), (187, 50911), (203, 50989), (224, 51097), (240, 51199),

Gene: Beyoncage_37 Start: 31421, Stop: 32200, Start Num: 83

Candidate Starts for Beyoncage_37:

(Start: 83 @31421 has 8 MA's), (98, 31460), (161, 31679), (182, 31742), (199, 31808), (204, 31835),
(226, 31952), (241, 32057), (244, 32099),

Gene: Bezza_90 Start: 50531, Stop: 51163, Start Num: 75

Candidate Starts for Bezza_90:

(Start: 75 @50531 has 190 MA's), (187, 50870), (203, 50948), (224, 51056), (240, 51158),

Gene: BigCity_109 Start: 53767, Stop: 54399, Start Num: 75

Candidate Starts for BigCity_109:

(Start: 75 @53767 has 190 MA's), (187, 54106), (203, 54184), (224, 54292), (240, 54394),

Gene: BiggityBass_40 Start: 36280, Stop: 35564, Start Num: 36

Candidate Starts for BiggityBass_40:

(Start: 36 @36280 has 13 MA's), (71, 36193), (141, 35992), (148, 35971), (178, 35878), (201, 35776),
(205, 35761), (215, 35713),

Gene: Bigswole_106 Start: 54293, Stop: 54931, Start Num: 75

Candidate Starts for Bigswole_106:

(35, 54182), (Start: 75 @54293 has 190 MA's), (187, 54638), (203, 54716), (224, 54824), (240, 54926),

Gene: Bipolarisk_100 Start: 51503, Stop: 52141, Start Num: 75

Candidate Starts for Bipolarisk_100:

(Start: 75 @51503 has 190 MA's), (187, 51848), (203, 51926), (224, 52034), (240, 52136),

Gene: BirdsNest_48 Start: 39192, Stop: 38389, Start Num: 27

Candidate Starts for BirdsNest_48:

(2, 39444), (3, 39432), (14, 39270), (15, 39267), (16, 39252), (18, 39237), (19, 39231), (Start: 27 @39192 has 12 MA's), (44, 39087), (46, 39081), (74, 39009), (84, 38985), (94, 38961), (122, 38880), (178, 38709), (201, 38604), (210, 38565),

Gene: Bishoperium_46 Start: 39979, Stop: 39419, Start Num: 92

Candidate Starts for Bishoperium_46:

(Start: 54 @40063 has 62 MA's), (Start: 58 @40057 has 3 MA's), (Start: 59 @40054 has 1 MA's), (Start: 92 @39979 has 220 MA's), (115, 39910), (117, 39907), (119, 39904), (135, 39850), (201, 39637), (238, 39430),

Gene: BiteSize_37 Start: 31507, Stop: 32286, Start Num: 83

Candidate Starts for BiteSize_37:

(Start: 83 @31507 has 8 MA's), (98, 31546), (161, 31765), (182, 31828), (199, 31894), (204, 31921), (226, 32038), (241, 32143), (244, 32185),

Gene: BlackStallion_48 Start: 40419, Stop: 39859, Start Num: 92

Candidate Starts for BlackStallion_48:

(Start: 92 @40419 has 220 MA's), (115, 40350), (117, 40347), (119, 40344), (135, 40290), (201, 40077),

Gene: Blackbrain_96 Start: 49803, Stop: 50435, Start Num: 75

Candidate Starts for Blackbrain_96:

(Start: 75 @49803 has 190 MA's), (187, 50142), (203, 50220), (224, 50328), (240, 50430),

Gene: Blackdragon_97 Start: 50933, Stop: 51565, Start Num: 75

Candidate Starts for Blackdragon_97:

(Start: 75 @50933 has 190 MA's), (187, 51272), (203, 51350), (224, 51458), (240, 51560),

Gene: Blackpen_42 Start: 35286, Stop: 34711, Start Num: 75

Candidate Starts for Blackpen_42:

(Start: 75 @35286 has 190 MA's), (98, 35247), (137, 35136), (149, 35097), (191, 34974), (195, 34962), (197, 34953), (204, 34911), (205, 34908), (206, 34905), (207, 34896),

Gene: BlacksBerry_46 Start: 40000, Stop: 39440, Start Num: 92

Candidate Starts for BlacksBerry_46:

(Start: 54 @40084 has 62 MA's), (Start: 58 @40078 has 3 MA's), (Start: 59 @40075 has 1 MA's), (Start: 92 @40000 has 220 MA's), (115, 39931), (117, 39928), (119, 39925), (135, 39871), (201, 39658), (238, 39451),

Gene: Blocker23_46 Start: 40815, Stop: 40051, Start Num: 25

Candidate Starts for Blocker23_46:

(Start: 25 @40815 has 37 MA's), (34, 40773), (46, 40728), (69, 40671), (Start: 73 @40662 has 10 MA's), (74, 40659), (77, 40650), (110, 40563), (119, 40548), (141, 40464), (178, 40371), (193, 40320), (201, 40269), (210, 40230),

Gene: Blubba_90 Start: 49899, Stop: 50531, Start Num: 75

Candidate Starts for Blubba_90:

(Start: 75 @49899 has 190 MA's), (187, 50238), (203, 50316), (224, 50424), (240, 50526),

Gene: BlueHusk_47 Start: 39784, Stop: 39224, Start Num: 92

Candidate Starts for BlueHusk_47:

(Start: 75 @39826 has 190 MA's), (Start: 92 @39784 has 220 MA's), (115, 39715), (117, 39712), (119, 39709), (135, 39655), (201, 39442), (238, 39235),

Gene: Bluephacebaby_46 Start: 39982, Stop: 39422, Start Num: 92

Candidate Starts for Bluephacebaby_46:

(Start: 54 @40066 has 62 MA's), (Start: 58 @40060 has 3 MA's), (Start: 59 @40057 has 1 MA's), (Start: 92 @39982 has 220 MA's), (115, 39913), (117, 39910), (119, 39907), (178, 39742), (201, 39640), (238, 39433),

Gene: BobRoss2024_39 Start: 34120, Stop: 33434, Start Num: 36

Candidate Starts for BobRoss2024_39:

(23, 34183), (Start: 36 @34120 has 13 MA's), (141, 33823), (144, 33811), (168, 33766), (178, 33748), (201, 33646), (205, 33631), (233, 33469),

Gene: BobaPhatt_97 Start: 49856, Stop: 50488, Start Num: 75

Candidate Starts for BobaPhatt_97:

(Start: 75 @49856 has 190 MA's), (187, 50195), (203, 50273), (224, 50381), (240, 50483),

Gene: BobbyK_43 Start: 40432, Stop: 39698, Start Num: 33

Candidate Starts for BobbyK_43:

(Start: 33 @40432 has 26 MA's), (90, 40258), (100, 40228), (117, 40180), (123, 40168), (176, 40024), (178, 40018), (201, 39916), (212, 39871), (220, 39832), (235, 39724),

Gene: BobtimousPrime_42 Start: 37459, Stop: 38091, Start Num: 73

Candidate Starts for BobtimousPrime_42:

(Start: 73 @37459 has 10 MA's), (104, 37546), (106, 37555), (111, 37567), (Start: 120 @37588 has 6 MA's), (134, 37633), (173, 37747), (197, 37825), (198, 37834), (207, 37888), (215, 37927), (222, 37957), (229, 38005), (234, 38053), (238, 38077),

Gene: Boehler_47 Start: 40288, Stop: 39728, Start Num: 92

Candidate Starts for Boehler_47:

(Start: 54 @40372 has 62 MA's), (Start: 58 @40366 has 3 MA's), (Start: 59 @40363 has 1 MA's), (Start: 92 @40288 has 220 MA's), (115, 40219), (117, 40216), (119, 40213), (135, 40159), (201, 39946), (238, 39739),

Gene: Bonray_101 Start: 51676, Stop: 52314, Start Num: 75

Candidate Starts for Bonray_101:

(Start: 75 @51676 has 190 MA's), (187, 52021), (203, 52099), (224, 52207), (240, 52309),

Gene: BoogieWoogie_46 Start: 39969, Stop: 39409, Start Num: 92

Candidate Starts for BoogieWoogie_46:

(Start: 54 @40053 has 62 MA's), (Start: 58 @40047 has 3 MA's), (Start: 59 @40044 has 1 MA's), (Start: 92 @39969 has 220 MA's), (115, 39900), (117, 39897), (119, 39894), (135, 39840), (201, 39627), (238, 39420),

Gene: Bowman_98 Start: 51243, Stop: 51875, Start Num: 75

Candidate Starts for Bowman_98:

(Start: 39 @51156 has 5 MA's), (Start: 75 @51243 has 190 MA's), (187, 51582), (203, 51660), (224, 51768), (240, 51870),

Gene: Boyle_46 Start: 40816, Stop: 40052, Start Num: 25

Candidate Starts for Boyle_46:

(Start: 25 @40816 has 37 MA's), (46, 40729), (69, 40672), (Start: 73 @40663 has 10 MA's), (74, 40660), (77, 40651), (110, 40564), (119, 40549), (141, 40465), (178, 40372), (193, 40321), (201, 40270), (210, 40231),

Gene: Bread_101 Start: 51337, Stop: 51969, Start Num: 75

Candidate Starts for Bread_101:

(Start: 75 @51337 has 190 MA's), (187, 51676), (203, 51754), (224, 51862), (240, 51964),

Gene: Breeniome_100 Start: 49919, Stop: 50551, Start Num: 75

Candidate Starts for Breeniome_100:

(Start: 39 @49832 has 5 MA's), (Start: 75 @49919 has 190 MA's), (187, 50258), (203, 50336), (224, 50444), (240, 50546),

Gene: Brilliant_47 Start: 39981, Stop: 39427, Start Num: 92

Candidate Starts for Brilliant_47:

(Start: 54 @40065 has 62 MA's), (Start: 58 @40059 has 3 MA's), (Start: 59 @40056 has 1 MA's), (Start: 92 @39981 has 220 MA's), (115, 39918), (117, 39915), (119, 39912), (135, 39858), (201, 39645), (217, 39579), (238, 39438),

Gene: BrownCNA_44 Start: 40717, Stop: 39959, Start Num: 33

Candidate Starts for BrownCNA_44:

(Start: 33 @40717 has 26 MA's), (48, 40648), (90, 40540), (100, 40510), (117, 40462), (123, 40450), (171, 40294), (178, 40279), (186, 40246), (201, 40177), (212, 40132), (220, 40093), (235, 39985),

Gene: Brownie5_46 Start: 40828, Stop: 40058, Start Num: 25

Candidate Starts for Brownie5_46:

(Start: 25 @40828 has 37 MA's), (46, 40735), (69, 40678), (Start: 73 @40669 has 10 MA's), (74, 40666), (77, 40657), (110, 40570), (119, 40555), (141, 40471), (178, 40378), (193, 40327), (201, 40276), (210, 40237),

Gene: Buckeye_47 Start: 40302, Stop: 39742, Start Num: 92

Candidate Starts for Buckeye_47:

(Start: 54 @40386 has 62 MA's), (Start: 58 @40380 has 3 MA's), (Start: 59 @40377 has 1 MA's), (Start: 92 @40302 has 220 MA's), (115, 40233), (117, 40230), (119, 40227), (135, 40173), (178, 40062), (201, 39960), (238, 39753),

Gene: Burr_46 Start: 39976, Stop: 39416, Start Num: 92

Candidate Starts for Burr_46:

(Start: 54 @40060 has 62 MA's), (Start: 58 @40054 has 3 MA's), (Start: 59 @40051 has 1 MA's), (Start: 92 @39976 has 220 MA's), (115, 39907), (117, 39904), (119, 39901), (135, 39847), (201, 39634), (238, 39427),

Gene: Burrough_101 Start: 51836, Stop: 52468, Start Num: 75

Candidate Starts for Burrough_101:

(Start: 75 @51836 has 190 MA's), (187, 52175), (203, 52253), (224, 52361), (240, 52463),

Gene: Bxz1_99 Start: 53274, Stop: 53906, Start Num: 75

Candidate Starts for Bxz1_99:

(Start: 75 @53274 has 190 MA's), (187, 53613), (203, 53691), (224, 53799), (240, 53901),

Gene: CRB2_48 Start: 42937, Stop: 42212, Start Num: 25

Candidate Starts for CRB2_48:

(Start: 25 @42937 has 37 MA's), (93, 42748), (99, 42736), (123, 42685), (134, 42652), (145, 42601), (197, 42466), (201, 42430), (205, 42415), (210, 42391), (220, 42346), (230, 42292),

Gene: Cactojaque_96 Start: 49910, Stop: 50542, Start Num: 75

Candidate Starts for Cactojaque_96:

(Start: 75 @49910 has 190 MA's), (187, 50249), (203, 50327), (224, 50435), (240, 50537),

Gene: Cafasso_152 Start: 79438, Stop: 78929, Start Num: 108

Candidate Starts for Cafasso_152:

(81, 79519), (96, 79480), (Start: 108 @79438 has 5 MA's), (125, 79396), (130, 79375), (151, 79291), (175, 79246), (197, 79174), (222, 79057), (232, 78973),

Gene: CaiB_42 Start: 35854, Stop: 35279, Start Num: 75

Candidate Starts for CaiB_42:

(Start: 75 @35854 has 190 MA's), (98, 35815), (137, 35704), (149, 35665), (191, 35542), (195, 35530), (197, 35521), (204, 35479), (205, 35476), (206, 35473), (207, 35464),

Gene: Calamitous_46 Start: 40702, Stop: 39938, Start Num: 25

Candidate Starts for Calamitous_46:

(Start: 25 @40702 has 37 MA's), (34, 40660), (46, 40615), (69, 40558), (Start: 73 @40549 has 10 MA's), (74, 40546), (77, 40537), (110, 40450), (119, 40435), (141, 40351), (178, 40258), (193, 40207), (201, 40156), (210, 40117),

Gene: Cali_97 Start: 51838, Stop: 52470, Start Num: 75

Candidate Starts for Cali_97:

(Start: 75 @51838 has 190 MA's), (187, 52177), (203, 52255), (224, 52363), (240, 52465),

Gene: CamL_47 Start: 40271, Stop: 39717, Start Num: 92

Candidate Starts for CamL_47:

(Start: 54 @40355 has 62 MA's), (Start: 58 @40349 has 3 MA's), (Start: 59 @40346 has 1 MA's), (Start: 92 @40271 has 220 MA's), (115, 40208), (117, 40205), (119, 40202), (135, 40148), (201, 39935), (217, 39869), (238, 39728),

Gene: CampRoach_48 Start: 40405, Stop: 39845, Start Num: 92

Candidate Starts for CampRoach_48:

(Start: 54 @40489 has 62 MA's), (Start: 58 @40483 has 3 MA's), (Start: 59 @40480 has 1 MA's), (Start: 92 @40405 has 220 MA's), (115, 40336), (117, 40333), (119, 40330), (135, 40276), (201, 40063),

Gene: Cane17_90 Start: 49972, Stop: 50604, Start Num: 75

Candidate Starts for Cane17_90:

(Start: 75 @49972 has 190 MA's), (187, 50311), (203, 50389), (224, 50497), (240, 50599),

Gene: Cannibal_47 Start: 40254, Stop: 39700, Start Num: 92

Candidate Starts for Cannibal_47:

(Start: 54 @40338 has 62 MA's), (Start: 58 @40332 has 3 MA's), (Start: 59 @40329 has 1 MA's), (Start: 92 @40254 has 220 MA's), (115, 40191), (117, 40188), (119, 40185), (135, 40131), (201, 39918), (217, 39852), (238, 39711),

Gene: Capablanca_103 Start: 52088, Stop: 52720, Start Num: 75

Candidate Starts for Capablanca_103:

(35, 51977), (Start: 75 @52088 has 190 MA's), (187, 52427), (203, 52505), (224, 52613), (240, 52715),

Gene: Caravan_96 Start: 51189, Stop: 51827, Start Num: 75
Candidate Starts for Caravan_96:
(Start: 75 @51189 has 190 MA's), (187, 51534), (203, 51612), (224, 51720), (240, 51822),

Gene: Carthage_45 Start: 39189, Stop: 38629, Start Num: 92
Candidate Starts for Carthage_45:
(Start: 54 @39273 has 62 MA's), (Start: 58 @39267 has 3 MA's), (Start: 59 @39264 has 1 MA's),
(Start: 67 @39246 has 2 MA's), (Start: 92 @39189 has 220 MA's), (115, 39120), (117, 39117), (119, 39114), (135, 39060), (178, 38949), (201, 38847), (238, 38640),

Gene: Caspiboi_46 Start: 40064, Stop: 39426, Start Num: 54
Candidate Starts for Caspiboi_46:
(Start: 54 @40064 has 62 MA's), (Start: 58 @40058 has 3 MA's), (Start: 59 @40055 has 1 MA's),
(Start: 92 @39980 has 220 MA's), (115, 39917), (117, 39914), (119, 39911), (135, 39857), (201, 39644), (217, 39578), (238, 39437),

Gene: Catera_98 Start: 50105, Stop: 50743, Start Num: 75
Candidate Starts for Catera_98:
(Start: 75 @50105 has 190 MA's), (187, 50450), (203, 50528), (224, 50636), (240, 50738),

Gene: Cborch11_42 Start: 37008, Stop: 37640, Start Num: 73
Candidate Starts for Cborch11_42:
(Start: 73 @37008 has 10 MA's), (104, 37095), (106, 37104), (111, 37116), (Start: 120 @37137 has 6 MA's), (134, 37182), (173, 37296), (197, 37374), (198, 37383), (207, 37437), (215, 37476), (222, 37506), (229, 37554), (234, 37602), (238, 37626),

Gene: Chaelin_47 Start: 39977, Stop: 39417, Start Num: 92
Candidate Starts for Chaelin_47:
(Start: 54 @40061 has 62 MA's), (Start: 58 @40055 has 3 MA's), (Start: 59 @40052 has 1 MA's),
(Start: 92 @39977 has 220 MA's), (115, 39908), (117, 39905), (119, 39902), (135, 39848), (201, 39635), (238, 39428),

Gene: Chah_49 Start: 40516, Stop: 39872, Start Num: 54
Candidate Starts for Chah_49:
(Start: 54 @40516 has 62 MA's), (Start: 58 @40510 has 3 MA's), (Start: 59 @40507 has 1 MA's),
(Start: 92 @40432 has 220 MA's), (115, 40363), (117, 40360), (119, 40357), (135, 40303), (201, 40090),

Gene: Chargie21_98 Start: 50225, Stop: 50857, Start Num: 75
Candidate Starts for Chargie21_98:
(Start: 75 @50225 has 190 MA's), (187, 50564), (203, 50642), (224, 50750), (240, 50852),

Gene: Charles1_47 Start: 40262, Stop: 39702, Start Num: 92
Candidate Starts for Charles1_47:
(Start: 54 @40346 has 62 MA's), (Start: 58 @40340 has 3 MA's), (Start: 59 @40337 has 1 MA's),
(Start: 92 @40262 has 220 MA's), (115, 40193), (117, 40190), (119, 40187), (135, 40133), (178, 40022), (201, 39920), (238, 39713),

Gene: CharlieB_97 Start: 50240, Stop: 50872, Start Num: 75
Candidate Starts for CharlieB_97:
(Start: 75 @50240 has 190 MA's), (187, 50579), (203, 50657), (224, 50765), (240, 50867),

Gene: CharlieGBrown_46 Start: 39852, Stop: 39292, Start Num: 92

Candidate Starts for CharlieGBrown_46:

(Start: 54 @39936 has 62 MA's), (Start: 58 @39930 has 3 MA's), (Start: 59 @39927 has 1 MA's),
(Start: 92 @39852 has 220 MA's), (115, 39783), (117, 39780), (119, 39777), (135, 39723), (201,
39510), (238, 39303),

Gene: CharlottesWeb_40 Start: 33924, Stop: 33235, Start Num: 36

Candidate Starts for CharlottesWeb_40:

(Start: 36 @33924 has 13 MA's), (95, 33780), (103, 33753), (129, 33675), (178, 33549), (201, 33447),
(205, 33432), (215, 33384),

Gene: ChaylaJr_96 Start: 49731, Stop: 50363, Start Num: 75

Candidate Starts for ChaylaJr_96:

(Start: 75 @49731 has 190 MA's), (187, 50070), (203, 50148), (224, 50256), (240, 50358),

Gene: CheetO_47 Start: 40366, Stop: 39722, Start Num: 54

Candidate Starts for CheetO_47:

(Start: 54 @40366 has 62 MA's), (Start: 58 @40360 has 3 MA's), (Start: 59 @40357 has 1 MA's),
(Start: 92 @40282 has 220 MA's), (115, 40213), (117, 40210), (119, 40207), (135, 40153), (201,
39940), (238, 39733),

Gene: Cher_46 Start: 39999, Stop: 39439, Start Num: 92

Candidate Starts for Cher_46:

(Start: 54 @40083 has 62 MA's), (Start: 58 @40077 has 3 MA's), (Start: 59 @40074 has 1 MA's),
(Start: 92 @39999 has 220 MA's), (115, 39930), (117, 39927), (119, 39924), (178, 39759), (201,
39657), (217, 39591), (238, 39450),

Gene: ChickenPhender_97 Start: 50034, Stop: 50666, Start Num: 75

Candidate Starts for ChickenPhender_97:

(Start: 75 @50034 has 190 MA's), (187, 50373), (203, 50451), (224, 50559), (240, 50661),

Gene: Childish_46 Start: 40002, Stop: 39442, Start Num: 92

Candidate Starts for Childish_46:

(Start: 54 @40086 has 62 MA's), (Start: 58 @40080 has 3 MA's), (Start: 59 @40077 has 1 MA's),
(Start: 92 @40002 has 220 MA's), (115, 39933), (117, 39930), (119, 39927), (135, 39873), (201,
39660), (238, 39453),

Gene: Chipette_48 Start: 40492, Stop: 39932, Start Num: 92

Candidate Starts for Chipette_48:

(Start: 54 @40576 has 62 MA's), (Start: 58 @40570 has 3 MA's), (Start: 59 @40567 has 1 MA's),
(Start: 92 @40492 has 220 MA's), (115, 40423), (117, 40420), (119, 40417), (135, 40363), (201,
40150), (238, 39943),

Gene: Chomp_100 Start: 51626, Stop: 52258, Start Num: 75

Candidate Starts for Chomp_100:

(Start: 39 @51539 has 5 MA's), (Start: 75 @51626 has 190 MA's), (187, 51965), (203, 52043), (224,
52151), (240, 52253),

Gene: Chorkpop_47 Start: 39998, Stop: 39438, Start Num: 92

Candidate Starts for Chorkpop_47:

(Start: 54 @40082 has 62 MA's), (Start: 58 @40076 has 3 MA's), (Start: 59 @40073 has 1 MA's),
(Start: 92 @39998 has 220 MA's), (115, 39929), (117, 39926), (119, 39923), (178, 39758), (201,
39656), (238, 39449),

Gene: ChrisnMich_42 Start: 39396, Stop: 38659, Start Num: 33

Candidate Starts for ChrisnMich_42:

(26, 39450), (Start: 33 @39396 has 26 MA's), (63, 39282), (76, 39252), (84, 39234), (103, 39180), (117, 39141), (153, 39021), (176, 38985), (178, 38979), (186, 38946), (201, 38877), (212, 38832),

Gene: Chuni_46 Start: 40296, Stop: 39736, Start Num: 92

Candidate Starts for Chuni_46:

(Start: 54 @40380 has 62 MA's), (Start: 58 @40374 has 3 MA's), (Start: 59 @40371 has 1 MA's), (Start: 92 @40296 has 220 MA's), (115, 40227), (117, 40224), (119, 40221), (135, 40167), (201, 39954), (238, 39747),

Gene: Chunky_47 Start: 40285, Stop: 39725, Start Num: 92

Candidate Starts for Chunky_47:

(Start: 54 @40369 has 62 MA's), (Start: 58 @40363 has 3 MA's), (Start: 59 @40360 has 1 MA's), (Start: 92 @40285 has 220 MA's), (115, 40216), (117, 40213), (119, 40210), (135, 40156), (178, 40045), (201, 39943), (238, 39736),

Gene: Chute_46 Start: 40410, Stop: 39766, Start Num: 54

Candidate Starts for Chute_46:

(Start: 54 @40410 has 62 MA's), (Start: 58 @40404 has 3 MA's), (Start: 59 @40401 has 1 MA's), (Start: 92 @40326 has 220 MA's), (115, 40257), (117, 40254), (119, 40251), (135, 40197), (201, 39984), (238, 39777),

Gene: CindyLou_102 Start: 51667, Stop: 52299, Start Num: 75

Candidate Starts for CindyLou_102:

(Start: 39 @51580 has 5 MA's), (Start: 75 @51667 has 190 MA's), (187, 52006), (203, 52084), (224, 52192), (240, 52294),

Gene: Cleatunium_95 Start: 50324, Stop: 50956, Start Num: 75

Candidate Starts for Cleatunium_95:

(Start: 39 @50237 has 5 MA's), (Start: 75 @50324 has 190 MA's), (187, 50663), (203, 50741), (224, 50849), (240, 50951),

Gene: CloverMinnie_42 Start: 35794, Stop: 35219, Start Num: 75

Candidate Starts for CloverMinnie_42:

(Start: 75 @35794 has 190 MA's), (98, 35755), (137, 35644), (149, 35605), (191, 35482), (195, 35470), (197, 35461), (204, 35419), (205, 35416), (206, 35413),

Gene: Cobra_47 Start: 40283, Stop: 39723, Start Num: 92

Candidate Starts for Cobra_47:

(Start: 54 @40367 has 62 MA's), (Start: 58 @40361 has 3 MA's), (Start: 59 @40358 has 1 MA's), (Start: 92 @40283 has 220 MA's), (115, 40214), (117, 40211), (119, 40208), (178, 40043), (201, 39941), (238, 39734),

Gene: Coffee_46 Start: 40805, Stop: 40041, Start Num: 25

Candidate Starts for Coffee_46:

(Start: 25 @40805 has 37 MA's), (46, 40718), (69, 40661), (Start: 73 @40652 has 10 MA's), (74, 40649), (77, 40640), (110, 40553), (119, 40538), (141, 40454), (178, 40361), (193, 40310), (201, 40259), (210, 40220),

Gene: Colbert_47 Start: 40422, Stop: 39778, Start Num: 54

Candidate Starts for Colbert_47:

(Start: 54 @40422 has 62 MA's), (Start: 58 @40416 has 3 MA's), (Start: 59 @40413 has 1 MA's),
(Start: 92 @40338 has 220 MA's), (115, 40269), (117, 40266), (119, 40263), (135, 40209), (201,
39996), (238, 39789),

Gene: Coldpizza_43 Start: 38676, Stop: 38062, Start Num: 75

Candidate Starts for Coldpizza_43:

(Start: 75 @38676 has 190 MA's), (139, 38496), (146, 38463), (231, 38121),

Gene: Coletti_47 Start: 40410, Stop: 39766, Start Num: 54

Candidate Starts for Coletti_47:

(Start: 54 @40410 has 62 MA's), (Start: 58 @40404 has 3 MA's), (Start: 59 @40401 has 1 MA's),
(Start: 92 @40326 has 220 MA's), (115, 40257), (117, 40254), (119, 40251), (135, 40197), (201,
39984), (238, 39777),

Gene: Colt_91 Start: 50568, Stop: 51200, Start Num: 75

Candidate Starts for Colt_91:

(Start: 75 @50568 has 190 MA's), (187, 50907), (203, 50985), (224, 51093), (240, 51195),

Gene: Comrade_252 Start: 123254, Stop: 123727, Start Num: 120

Candidate Starts for Comrade_252:

(112, 123236), (Start: 120 @123254 has 6 MA's), (164, 123380), (166, 123383), (179, 123416), (198,
123491), (203, 123527), (204, 123530), (218, 123584), (222, 123602), (231, 123668), (235, 123707),

Gene: Concombre_108 Start: 54002, Stop: 54640, Start Num: 75

Candidate Starts for Concombre_108:

(57, 53966), (Start: 75 @54002 has 190 MA's), (187, 54347), (203, 54425), (224, 54533), (240, 54635),

Gene: Cooper_43 Start: 39615, Stop: 38878, Start Num: 33

Candidate Starts for Cooper_43:

(26, 39669), (Start: 33 @39615 has 26 MA's), (63, 39501), (76, 39471), (84, 39453), (103, 39399),
(117, 39360), (153, 39240), (176, 39204), (178, 39198), (186, 39165), (201, 39096), (212, 39051),

Gene: Cornbread_46 Start: 39999, Stop: 39439, Start Num: 92

Candidate Starts for Cornbread_46:

(Start: 54 @40083 has 62 MA's), (Start: 58 @40077 has 3 MA's), (Start: 59 @40074 has 1 MA's),
(Start: 92 @39999 has 220 MA's), (115, 39930), (117, 39927), (119, 39924), (178, 39759), (201,
39657), (238, 39450),

Gene: Cornobble_46 Start: 39840, Stop: 39280, Start Num: 92

Candidate Starts for Cornobble_46:

(Start: 54 @39924 has 62 MA's), (Start: 58 @39918 has 3 MA's), (Start: 59 @39915 has 1 MA's),
(Start: 92 @39840 has 220 MA's), (115, 39771), (117, 39768), (119, 39765), (135, 39711), (201,
39498), (238, 39291),

Gene: Cosmolli16_46 Start: 39990, Stop: 39430, Start Num: 92

Candidate Starts for Cosmolli16_46:

(Start: 54 @40074 has 62 MA's), (Start: 58 @40068 has 3 MA's), (Start: 59 @40065 has 1 MA's),
(Start: 92 @39990 has 220 MA's), (115, 39921), (117, 39918), (119, 39915), (178, 39750), (201,
39648), (238, 39441),

Gene: Craff_48 Start: 40418, Stop: 39858, Start Num: 92

Candidate Starts for Craff_48:

(Start: 54 @40502 has 62 MA's), (Start: 58 @40496 has 3 MA's), (Start: 59 @40493 has 1 MA's),
(Start: 92 @40418 has 220 MA's), (115, 40349), (117, 40346), (119, 40343), (135, 40289), (201,
40076),

Gene: Crownjwl_47 Start: 40059, Stop: 39499, Start Num: 92

Candidate Starts for Crownjwl_47:

(Start: 54 @40143 has 62 MA's), (Start: 58 @40137 has 3 MA's), (Start: 59 @40134 has 1 MA's),
(Start: 92 @40059 has 220 MA's), (115, 39990), (117, 39987), (119, 39984), (135, 39930), (201,
39717), (238, 39510),

Gene: DTDevon_102 Start: 52106, Stop: 52744, Start Num: 75

Candidate Starts for DTDevon_102:

(Start: 75 @52106 has 190 MA's), (187, 52451), (203, 52529), (224, 52637), (240, 52739),

Gene: DaddyDaniels_47 Start: 39971, Stop: 39411, Start Num: 92

Candidate Starts for DaddyDaniels_47:

(Start: 54 @40055 has 62 MA's), (Start: 58 @40049 has 3 MA's), (Start: 59 @40046 has 1 MA's),
(Start: 92 @39971 has 220 MA's), (115, 39902), (117, 39899), (119, 39896), (135, 39842), (201,
39629), (238, 39422),

Gene: Daffodil_106 Start: 51803, Stop: 52441, Start Num: 75

Candidate Starts for Daffodil_106:

(Start: 75 @51803 has 190 MA's), (187, 52148), (203, 52226), (224, 52334), (240, 52436),

Gene: Daffy_47 Start: 39996, Stop: 39442, Start Num: 92

Candidate Starts for Daffy_47:

(Start: 54 @40080 has 62 MA's), (Start: 58 @40074 has 3 MA's), (Start: 59 @40071 has 1 MA's),
(Start: 92 @39996 has 220 MA's), (115, 39933), (117, 39930), (119, 39927), (135, 39873), (201,
39660), (217, 39594), (238, 39453),

Gene: Daka_48 Start: 40275, Stop: 39715, Start Num: 92

Candidate Starts for Daka_48:

(Start: 54 @40359 has 62 MA's), (Start: 58 @40353 has 3 MA's), (Start: 59 @40350 has 1 MA's),
(Start: 92 @40275 has 220 MA's), (115, 40206), (117, 40203), (119, 40200), (135, 40146), (201,
39933), (238, 39726),

Gene: DalanDe_65 Start: 59026, Stop: 59634, Start Num: 75

Candidate Starts for DalanDe_65:

(52, 58969), (Start: 75 @59026 has 190 MA's), (137, 59206), (142, 59233), (147, 59251), (164, 59287),
(169, 59299), (174, 59308), (197, 59386), (229, 59554),

Gene: Damien_41 Start: 37011, Stop: 37643, Start Num: 73

Candidate Starts for Damien_41:

(Start: 73 @37011 has 10 MA's), (104, 37098), (106, 37107), (Start: 120 @37140 has 6 MA's), (134,
37185), (197, 37377), (198, 37386), (207, 37440), (215, 37479), (222, 37509), (234, 37605), (238,
37629),

Gene: Dandelion_108 Start: 54240, Stop: 54878, Start Num: 75

Candidate Starts for Dandelion_108:

(Start: 75 @54240 has 190 MA's), (187, 54585), (203, 54663), (224, 54771), (240, 54873),

Gene: Darko_101 Start: 51745, Stop: 52377, Start Num: 75

Candidate Starts for Darko_101:

(Start: 75 @51745 has 190 MA's), (187, 52084), (203, 52162), (224, 52270), (240, 52372),

Gene: Dati_47 Start: 39999, Stop: 39439, Start Num: 92

Candidate Starts for Dati_47:

(Start: 54 @40083 has 62 MA's), (Start: 58 @40077 has 3 MA's), (Start: 59 @40074 has 1 MA's),
(Start: 92 @39999 has 220 MA's), (115, 39930), (117, 39927), (119, 39924), (135, 39870), (178,
39759), (201, 39657), (238, 39450),

Gene: DeejaClivia_90 Start: 48422, Stop: 49054, Start Num: 75

Candidate Starts for DeejaClivia_90:

(Start: 75 @48422 has 190 MA's), (187, 48761), (203, 48839), (224, 48947), (240, 49049),

Gene: DelRivs_46 Start: 40003, Stop: 39443, Start Num: 92

Candidate Starts for DelRivs_46:

(Start: 54 @40087 has 62 MA's), (Start: 58 @40081 has 3 MA's), (Start: 59 @40078 has 1 MA's),
(Start: 92 @40003 has 220 MA's), (115, 39934), (117, 39931), (119, 39928), (178, 39763), (201,
39661), (238, 39454),

Gene: Delilah_101 Start: 51957, Stop: 52595, Start Num: 75

Candidate Starts for Delilah_101:

(Start: 75 @51957 has 190 MA's), (187, 52302), (203, 52380), (224, 52488), (240, 52590),

Gene: Delylah_104 Start: 51502, Stop: 52134, Start Num: 75

Candidate Starts for Delylah_104:

(35, 51391), (Start: 75 @51502 has 190 MA's), (187, 51841), (203, 51919), (224, 52027), (240, 52129),

Gene: Demodog_108 Start: 54002, Stop: 54640, Start Num: 75

Candidate Starts for Demodog_108:

(57, 53966), (Start: 75 @54002 has 190 MA's), (187, 54347), (203, 54425), (224, 54533), (240, 54635),

Gene: Derek_101 Start: 51428, Stop: 52060, Start Num: 75

Candidate Starts for Derek_101:

(Start: 39 @51341 has 5 MA's), (Start: 75 @51428 has 190 MA's), (187, 51767), (203, 51845), (224,
51953), (240, 52055),

Gene: Derpp_46 Start: 39841, Stop: 39281, Start Num: 92

Candidate Starts for Derpp_46:

(Start: 54 @39925 has 62 MA's), (Start: 58 @39919 has 3 MA's), (Start: 59 @39916 has 1 MA's),
(Start: 92 @39841 has 220 MA's), (115, 39772), (117, 39769), (119, 39766), (178, 39601), (201,
39499), (238, 39292),

Gene: Dessert_98 Start: 49904, Stop: 50536, Start Num: 75

Candidate Starts for Dessert_98:

(Start: 39 @49817 has 5 MA's), (Start: 75 @49904 has 190 MA's), (187, 50243), (203, 50321), (224,
50429), (240, 50531),

Gene: Dice_46 Start: 39967, Stop: 39413, Start Num: 92

Candidate Starts for Dice_46:

(Start: 54 @40051 has 62 MA's), (Start: 58 @40045 has 3 MA's), (Start: 59 @40042 has 1 MA's),
(Start: 92 @39967 has 220 MA's), (115, 39904), (117, 39901), (119, 39898), (135, 39844), (201,
39631), (217, 39565), (238, 39424),

Gene: Dietrick_93 Start: 49504, Stop: 50136, Start Num: 75

Candidate Starts for Dietrick_93:

(Start: 75 @49504 has 190 MA's), (187, 49843), (203, 49921), (224, 50029), (240, 50131),

Gene: DigitDog_45 Start: 40602, Stop: 39817, Start Num: 27

Candidate Starts for DigitDog_45:

(4, 40782), (5, 40770), (6, 40764), (11, 40713), (Start: 27 @40602 has 12 MA's), (Start: 73 @40440 has 10 MA's), (84, 40413), (121, 40314), (141, 40239), (178, 40137), (201, 40035), (202, 40029), (205, 40020), (215, 39972),

Gene: Dingo_47 Start: 40265, Stop: 39705, Start Num: 92

Candidate Starts for Dingo_47:

(Start: 75 @40307 has 190 MA's), (Start: 92 @40265 has 220 MA's), (115, 40196), (117, 40193), (119, 40190), (135, 40136), (201, 39923), (238, 39716),

Gene: Dione_46 Start: 39975, Stop: 39421, Start Num: 92

Candidate Starts for Dione_46:

(Start: 54 @40059 has 62 MA's), (Start: 58 @40053 has 3 MA's), (Start: 59 @40050 has 1 MA's), (Start: 92 @39975 has 220 MA's), (115, 39912), (117, 39909), (119, 39906), (135, 39852), (201, 39639), (217, 39573), (238, 39432),

Gene: DirtJuice_47 Start: 40265, Stop: 39705, Start Num: 92

Candidate Starts for DirtJuice_47:

(Start: 54 @40349 has 62 MA's), (Start: 58 @40343 has 3 MA's), (Start: 59 @40340 has 1 MA's), (Start: 92 @40265 has 220 MA's), (115, 40196), (117, 40193), (119, 40190), (135, 40136), (178, 40025), (201, 39923), (238, 39716),

Gene: DirtMonster_95 Start: 50996, Stop: 51628, Start Num: 75

Candidate Starts for DirtMonster_95:

(Start: 75 @50996 has 190 MA's), (187, 51335), (203, 51413), (224, 51521), (240, 51623),

Gene: Djokovic_37 Start: 31420, Stop: 32199, Start Num: 83

Candidate Starts for Djokovic_37:

(Start: 83 @31420 has 8 MA's), (98, 31459), (161, 31678), (182, 31741), (199, 31807), (204, 31834), (226, 31951), (241, 32056), (244, 32098),

Gene: Doddsville_47 Start: 39995, Stop: 39435, Start Num: 92

Candidate Starts for Doddsville_47:

(Start: 54 @40079 has 62 MA's), (Start: 58 @40073 has 3 MA's), (Start: 59 @40070 has 1 MA's), (Start: 92 @39995 has 220 MA's), (115, 39926), (117, 39923), (119, 39920), (135, 39866), (201, 39653), (238, 39446),

Gene: DoesntMatter_46 Start: 40352, Stop: 39708, Start Num: 54

Candidate Starts for DoesntMatter_46:

(Start: 54 @40352 has 62 MA's), (Start: 58 @40346 has 3 MA's), (Start: 59 @40343 has 1 MA's), (Start: 92 @40268 has 220 MA's), (115, 40199), (117, 40196), (119, 40193), (135, 40139), (178, 40028), (201, 39926), (238, 39719),

Gene: DolOn_50 Start: 40643, Stop: 40083, Start Num: 92

Candidate Starts for DolOn_50:

(Start: 54 @40727 has 62 MA's), (Start: 58 @40721 has 3 MA's), (Start: 59 @40718 has 1 MA's), (Start: 92 @40643 has 220 MA's), (115, 40574), (117, 40571), (119, 40568), (135, 40514), (201, 40301),

Gene: Domi_95 Start: 50853, Stop: 51485, Start Num: 75

Candidate Starts for Domi_95:

(Start: 75 @50853 has 190 MA's), (187, 51192), (203, 51270), (224, 51378), (240, 51480),

Gene: DonSanchon_46 Start: 39978, Stop: 39418, Start Num: 92

Candidate Starts for DonSanchon_46:

(Start: 54 @40062 has 62 MA's), (Start: 58 @40056 has 3 MA's), (Start: 59 @40053 has 1 MA's),
(Start: 92 @39978 has 220 MA's), (115, 39909), (117, 39906), (119, 39903), (178, 39738), (201,
39636), (238, 39429),

Gene: Donny_46 Start: 40907, Stop: 40122, Start Num: 27

Candidate Starts for Donny_46:

(Start: 27 @40907 has 12 MA's), (46, 40820), (Start: 73 @40745 has 10 MA's), (84, 40718), (121,
40619), (201, 40340), (205, 40325),

Gene: DrPhinkDaddy_100 Start: 52023, Stop: 52661, Start Num: 75

Candidate Starts for DrPhinkDaddy_100:

(Start: 75 @52023 has 190 MA's), (187, 52368), (203, 52446), (224, 52554), (240, 52656),

Gene: Drazdys_100 Start: 50726, Stop: 51358, Start Num: 75

Candidate Starts for Drazdys_100:

(Start: 39 @50639 has 5 MA's), (Start: 75 @50726 has 190 MA's), (187, 51065), (203, 51143), (224,
51251), (240, 51353),

Gene: DuchessDung_46 Start: 39267, Stop: 38707, Start Num: 92

Candidate Starts for DuchessDung_46:

(Start: 54 @39351 has 62 MA's), (Start: 58 @39345 has 3 MA's), (Start: 59 @39342 has 1 MA's),
(Start: 92 @39267 has 220 MA's), (115, 39198), (117, 39195), (119, 39192), (201, 38925),

Gene: Duckfeet_94 Start: 49953, Stop: 50585, Start Num: 75

Candidate Starts for Duckfeet_94:

(Start: 75 @49953 has 190 MA's), (187, 50292), (203, 50370), (224, 50478), (240, 50580),

Gene: Duggie_46 Start: 39997, Stop: 39437, Start Num: 92

Candidate Starts for Duggie_46:

(Start: 54 @40081 has 62 MA's), (Start: 58 @40075 has 3 MA's), (Start: 59 @40072 has 1 MA's),
(Start: 92 @39997 has 220 MA's), (115, 39928), (117, 39925), (119, 39922), (135, 39868), (201,
39655), (238, 39448),

Gene: Durga_48 Start: 40433, Stop: 39873, Start Num: 92

Candidate Starts for Durga_48:

(Start: 54 @40517 has 62 MA's), (Start: 58 @40511 has 3 MA's), (Start: 59 @40508 has 1 MA's),
(Start: 92 @40433 has 220 MA's), (115, 40364), (117, 40361), (119, 40358), (135, 40304), (201,
40091),

Gene: ET08_90 Start: 50495, Stop: 51127, Start Num: 75

Candidate Starts for ET08_90:

(Start: 75 @50495 has 190 MA's), (187, 50834), (203, 50912), (224, 51020), (240, 51122),

Gene: Eaglehorse_46 Start: 40729, Stop: 39965, Start Num: 25

Candidate Starts for Eaglehorse_46:

(Start: 25 @40729 has 37 MA's), (46, 40642), (69, 40585), (Start: 73 @40576 has 10 MA's), (74,
40573), (77, 40564), (110, 40477), (119, 40462), (141, 40378), (178, 40285), (193, 40234), (201,

40183), (210, 40144),

Gene: EastView9101_44 Start: 40557, Stop: 39772, Start Num: 27

Candidate Starts for EastView9101_44:

(Start: 27 @40557 has 12 MA's), (46, 40470), (Start: 73 @40395 has 10 MA's), (84, 40368), (121, 40269), (201, 39990), (205, 39975),

Gene: EasyJones_104 Start: 50888, Stop: 51520, Start Num: 75

Candidate Starts for EasyJones_104:

(Start: 75 @50888 has 190 MA's), (187, 51227), (203, 51305), (224, 51413), (240, 51515),

Gene: EggFarm_109 Start: 53767, Stop: 54399, Start Num: 75

Candidate Starts for EggFarm_109:

(Start: 75 @53767 has 190 MA's), (187, 54106), (203, 54184), (224, 54292), (240, 54394),

Gene: ElvisPhasley_48 Start: 40455, Stop: 39895, Start Num: 92

Candidate Starts for ElvisPhasley_48:

(Start: 54 @40539 has 62 MA's), (Start: 58 @40533 has 3 MA's), (Start: 59 @40530 has 1 MA's), (Start: 92 @40455 has 220 MA's), (115, 40386), (117, 40383), (119, 40380), (135, 40326), (201, 40113),

Gene: EmGer13_47 Start: 39839, Stop: 39279, Start Num: 92

Candidate Starts for EmGer13_47:

(Start: 54 @39923 has 62 MA's), (Start: 58 @39917 has 3 MA's), (Start: 59 @39914 has 1 MA's), (Start: 92 @39839 has 220 MA's), (115, 39770), (117, 39767), (119, 39764), (178, 39599), (201, 39497), (238, 39290),

Gene: EmToTheThree_104 Start: 53020, Stop: 53658, Start Num: 75

Candidate Starts for EmToTheThree_104:

(Start: 75 @53020 has 190 MA's), (187, 53365), (203, 53443), (224, 53551), (240, 53653),

Gene: Emiris_48 Start: 40401, Stop: 39841, Start Num: 92

Candidate Starts for Emiris_48:

(Start: 54 @40485 has 62 MA's), (Start: 58 @40479 has 3 MA's), (Start: 59 @40476 has 1 MA's), (Start: 92 @40401 has 220 MA's), (115, 40332), (117, 40329), (119, 40326), (135, 40272), (201, 40059),

Gene: EmmaElysia_101 Start: 50554, Stop: 51186, Start Num: 75

Candidate Starts for EmmaElysia_101:

(Start: 75 @50554 has 190 MA's), (187, 50893), (203, 50971), (224, 51079), (240, 51181),

Gene: EmpTee_47 Start: 40281, Stop: 39721, Start Num: 92

Candidate Starts for EmpTee_47:

(Start: 54 @40365 has 62 MA's), (Start: 58 @40359 has 3 MA's), (Start: 59 @40356 has 1 MA's), (Start: 92 @40281 has 220 MA's), (115, 40212), (117, 40209), (119, 40206), (135, 40152), (201, 39939), (238, 39732),

Gene: Epah_41 Start: 39395, Stop: 38667, Start Num: 33

Candidate Starts for Epah_41:

(Start: 33 @39395 has 26 MA's), (Start: 79 @39254 has 2 MA's), (88, 39233), (94, 39218), (128, 39113), (176, 38993), (178, 38987), (201, 38885), (212, 38840),

Gene: Erdmann_102 Start: 51804, Stop: 52442, Start Num: 75

Candidate Starts for Erdmann_102:

(Start: 75 @51804 has 190 MA's), (187, 52149), (203, 52227), (224, 52335), (240, 52437),

Gene: Eremos_47 Start: 40274, Stop: 39714, Start Num: 92

Candidate Starts for Eremos_47:

(Start: 54 @40358 has 62 MA's), (Start: 58 @40352 has 3 MA's), (Start: 59 @40349 has 1 MA's),
(Start: 92 @40274 has 220 MA's), (115, 40205), (117, 40202), (119, 40199), (135, 40145), (201,
39932), (238, 39725),

Gene: ErnieJ_97 Start: 50014, Stop: 50652, Start Num: 75

Candidate Starts for ErnieJ_97:

(Start: 75 @50014 has 190 MA's), (187, 50359), (203, 50437), (224, 50545), (240, 50647),

Gene: Essence_98 Start: 50892, Stop: 51524, Start Num: 75

Candidate Starts for Essence_98:

(Start: 39 @50805 has 5 MA's), (Start: 75 @50892 has 190 MA's), (187, 51231), (203, 51309), (224,
51417), (240, 51519),

Gene: Etaye_47 Start: 40268, Stop: 39708, Start Num: 92

Candidate Starts for Etaye_47:

(Start: 54 @40352 has 62 MA's), (Start: 58 @40346 has 3 MA's), (Start: 59 @40343 has 1 MA's),
(Start: 92 @40268 has 220 MA's), (115, 40199), (117, 40196), (119, 40193), (135, 40139), (178,
40028), (201, 39926), (238, 39719),

Gene: Eugenia_47 Start: 40278, Stop: 39724, Start Num: 92

Candidate Starts for Eugenia_47:

(Start: 54 @40362 has 62 MA's), (Start: 58 @40356 has 3 MA's), (Start: 59 @40353 has 1 MA's),
(Start: 92 @40278 has 220 MA's), (115, 40215), (117, 40212), (119, 40209), (135, 40155), (201,
39942), (217, 39876), (238, 39735),

Gene: Evaa_40 Start: 34989, Stop: 34357, Start Num: 75

Candidate Starts for Evaa_40:

(56, 35028), (Start: 58 @35025 has 3 MA's), (Start: 75 @34989 has 190 MA's), (105, 34905), (132,
34824), (141, 34788), (158, 34737), (229, 34434),

Gene: Ewok_102 Start: 51197, Stop: 51829, Start Num: 75

Candidate Starts for Ewok_102:

(Start: 75 @51197 has 190 MA's), (187, 51536), (203, 51614), (224, 51722), (240, 51824),

Gene: Fanaw_41 Start: 40092, Stop: 39364, Start Num: 33

Candidate Starts for Fanaw_41:

(Start: 33 @40092 has 26 MA's), (90, 39924), (100, 39894), (117, 39846), (123, 39834), (176, 39690),
(178, 39684), (201, 39582), (212, 39537), (220, 39498), (235, 39390),

Gene: Fang_48 Start: 40510, Stop: 39866, Start Num: 54

Candidate Starts for Fang_48:

(Start: 54 @40510 has 62 MA's), (Start: 58 @40504 has 3 MA's), (Start: 59 @40501 has 1 MA's),
(Start: 92 @40426 has 220 MA's), (115, 40357), (117, 40354), (119, 40351), (135, 40297), (201,
40084),

Gene: Faze9_45 Start: 40825, Stop: 40061, Start Num: 25

Candidate Starts for Faze9_45:

(Start: 25 @40825 has 37 MA's), (34, 40783), (46, 40738), (69, 40681), (Start: 73 @40672 has 10 MA's), (74, 40669), (77, 40660), (110, 40573), (119, 40558), (141, 40474), (178, 40381), (193, 40330), (201, 40279), (210, 40240),

Gene: FelixTres_42 Start: 35857, Stop: 35282, Start Num: 75

Candidate Starts for FelixTres_42:

(Start: 75 @35857 has 190 MA's), (98, 35818), (137, 35707), (149, 35668), (191, 35545), (195, 35533), (197, 35524), (204, 35482), (205, 35479), (206, 35476),

Gene: Fixie_98 Start: 50450, Stop: 51082, Start Num: 75

Candidate Starts for Fixie_98:

(Start: 75 @50450 has 190 MA's), (187, 50789), (203, 50867), (224, 50975), (240, 51077),

Gene: Flabslab_95 Start: 48889, Stop: 49521, Start Num: 75

Candidate Starts for Flabslab_95:

(Start: 39 @48802 has 5 MA's), (Start: 75 @48889 has 190 MA's), (187, 49228), (203, 49306), (224, 49414), (240, 49516),

Gene: Flake_47 Start: 40417, Stop: 39773, Start Num: 54

Candidate Starts for Flake_47:

(Start: 54 @40417 has 62 MA's), (Start: 58 @40411 has 3 MA's), (Start: 59 @40408 has 1 MA's), (Start: 92 @40333 has 220 MA's), (115, 40264), (117, 40261), (119, 40258), (135, 40204), (201, 39991), (238, 39784),

Gene: FleetyMac_47 Start: 40370, Stop: 39726, Start Num: 54

Candidate Starts for FleetyMac_47:

(Start: 54 @40370 has 62 MA's), (Start: 58 @40364 has 3 MA's), (Start: 59 @40361 has 1 MA's), (Start: 92 @40286 has 220 MA's), (115, 40217), (117, 40214), (119, 40211), (135, 40157), (178, 40046), (201, 39944), (238, 39737),

Gene: Fludd_102 Start: 50660, Stop: 51292, Start Num: 75

Candidate Starts for Fludd_102:

(Start: 75 @50660 has 190 MA's), (187, 50999), (203, 51077), (224, 51185), (240, 51287),

Gene: FluffyNinja_48 Start: 40503, Stop: 39859, Start Num: 54

Candidate Starts for FluffyNinja_48:

(Start: 54 @40503 has 62 MA's), (Start: 58 @40497 has 3 MA's), (Start: 59 @40494 has 1 MA's), (Start: 92 @40419 has 220 MA's), (115, 40350), (117, 40347), (119, 40344), (135, 40290), (201, 40077),

Gene: Fongie_99 Start: 51410, Stop: 52042, Start Num: 75

Candidate Starts for Fongie_99:

(Start: 75 @51410 has 190 MA's), (187, 51749), (203, 51827), (224, 51935), (240, 52037),

Gene: Fortunato_43 Start: 40450, Stop: 39692, Start Num: 33

Candidate Starts for Fortunato_43:

(Start: 33 @40450 has 26 MA's), (48, 40381), (90, 40273), (100, 40243), (117, 40195), (123, 40183), (136, 40138), (171, 40027), (178, 40012), (201, 39910), (212, 39865), (220, 39826), (235, 39718),

Gene: FoxtrotP1_101 Start: 52974, Stop: 53612, Start Num: 75

Candidate Starts for FoxtrotP1_101:

(Start: 75 @52974 has 190 MA's), (187, 53319), (203, 53397), (224, 53505), (240, 53607),

Gene: Fozzie_46 Start: 40303, Stop: 39743, Start Num: 92

Candidate Starts for Fozzie_46:

(Start: 54 @40387 has 62 MA's), (Start: 58 @40381 has 3 MA's), (Start: 59 @40378 has 1 MA's),
(Start: 92 @40303 has 220 MA's), (115, 40234), (117, 40231), (119, 40228), (135, 40174), (201,
39961), (238, 39754),

Gene: Frankicide_47 Start: 40293, Stop: 39733, Start Num: 92

Candidate Starts for Frankicide_47:

(Start: 54 @40377 has 62 MA's), (Start: 58 @40371 has 3 MA's), (Start: 59 @40368 has 1 MA's),
(Start: 92 @40293 has 220 MA's), (115, 40224), (117, 40221), (119, 40218), (135, 40164), (178,
40053), (201, 39951), (238, 39744),

Gene: FrayBell_106 Start: 52378, Stop: 53010, Start Num: 75

Candidate Starts for FrayBell_106:

(Start: 39 @52291 has 5 MA's), (Start: 75 @52378 has 190 MA's), (187, 52717), (203, 52795), (224,
52903), (240, 53005),

Gene: Frederick_43 Start: 40432, Stop: 39698, Start Num: 33

Candidate Starts for Frederick_43:

(Start: 33 @40432 has 26 MA's), (90, 40258), (100, 40228), (117, 40180), (123, 40168), (176, 40024),
(178, 40018), (201, 39916), (212, 39871), (220, 39832), (235, 39724),

Gene: FremontTroll_47 Start: 40041, Stop: 39481, Start Num: 92

Candidate Starts for FremontTroll_47:

(Start: 54 @40125 has 62 MA's), (Start: 58 @40119 has 3 MA's), (Start: 59 @40116 has 1 MA's),
(Start: 92 @40041 has 220 MA's), (115, 39972), (117, 39969), (119, 39966), (178, 39801), (201,
39699), (238, 39492),

Gene: FrenchFry_46 Start: 40819, Stop: 40055, Start Num: 25

Candidate Starts for FrenchFry_46:

(Start: 25 @40819 has 37 MA's), (46, 40732), (69, 40675), (Start: 73 @40666 has 10 MA's), (74,
40663), (77, 40654), (110, 40567), (119, 40552), (141, 40468), (178, 40375), (193, 40324), (201,
40273), (210, 40234),

Gene: Fresco_40 Start: 34038, Stop: 33349, Start Num: 36

Candidate Starts for Fresco_40:

(20, 34119), (30, 34071), (Start: 36 @34038 has 13 MA's), (98, 33888), (100, 33876), (103, 33867),
(184, 33642), (201, 33561), (205, 33546), (215, 33498),

Gene: Freya_46 Start: 39966, Stop: 39412, Start Num: 92

Candidate Starts for Freya_46:

(Start: 54 @40050 has 62 MA's), (Start: 58 @40044 has 3 MA's), (Start: 59 @40041 has 1 MA's),
(Start: 92 @39966 has 220 MA's), (115, 39903), (117, 39900), (119, 39897), (135, 39843), (201,
39630), (217, 39564), (238, 39423),

Gene: FriarPreacher_46 Start: 40305, Stop: 39745, Start Num: 92

Candidate Starts for FriarPreacher_46:

(Start: 54 @40389 has 62 MA's), (Start: 58 @40383 has 3 MA's), (Start: 59 @40380 has 1 MA's),
(Start: 92 @40305 has 220 MA's), (115, 40236), (117, 40233), (119, 40230), (178, 40065), (201,
39963), (238, 39756),

Gene: Fringe_48 Start: 40402, Stop: 39842, Start Num: 92

Candidate Starts for Fringe_48:

(Start: 54 @40486 has 62 MA's), (Start: 58 @40480 has 3 MA's), (Start: 59 @40477 has 1 MA's),
(Start: 92 @40402 has 220 MA's), (115, 40333), (117, 40330), (119, 40327), (135, 40273), (201,
40060),

Gene: FudgeTart_101 Start: 51094, Stop: 51726, Start Num: 75

Candidate Starts for FudgeTart_101:

(Start: 75 @51094 has 190 MA's), (187, 51433), (203, 51511), (224, 51619), (240, 51721),

Gene: FugateOSU_46 Start: 39980, Stop: 39420, Start Num: 92

Candidate Starts for FugateOSU_46:

(Start: 54 @40064 has 62 MA's), (Start: 58 @40058 has 3 MA's), (Start: 59 @40055 has 1 MA's),
(Start: 92 @39980 has 220 MA's), (115, 39911), (117, 39908), (119, 39905), (135, 39851), (165,
39770), (201, 39638), (238, 39431),

Gene: Gabriel_102 Start: 50298, Stop: 50930, Start Num: 75

Candidate Starts for Gabriel_102:

(Start: 39 @50211 has 5 MA's), (Start: 75 @50298 has 190 MA's), (187, 50637), (203, 50715), (224,
50823), (240, 50925),

Gene: Gamgam_101 Start: 50251, Stop: 50970, Start Num: 39

Candidate Starts for Gamgam_101:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224,
50863), (240, 50965),

Gene: Gareth_46 Start: 39974, Stop: 39420, Start Num: 92

Candidate Starts for Gareth_46:

(Start: 54 @40058 has 62 MA's), (Start: 58 @40052 has 3 MA's), (Start: 59 @40049 has 1 MA's),
(Start: 92 @39974 has 220 MA's), (115, 39911), (117, 39908), (119, 39905), (135, 39851), (201,
39638), (217, 39572), (238, 39431),

Gene: GeneCoco_47 Start: 40289, Stop: 39729, Start Num: 92

Candidate Starts for GeneCoco_47:

(Start: 54 @40373 has 62 MA's), (Start: 58 @40367 has 3 MA's), (Start: 59 @40364 has 1 MA's),
(Start: 92 @40289 has 220 MA's), (115, 40220), (117, 40217), (119, 40214), (178, 40049), (201,
39947), (238, 39740),

Gene: Ghost_100 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for Ghost_100:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224,
50863), (240, 50965),

Gene: GinPorsche_42 Start: 39395, Stop: 38667, Start Num: 33

Candidate Starts for GinPorsche_42:

(Start: 33 @39395 has 26 MA's), (Start: 79 @39254 has 2 MA's), (88, 39233), (94, 39218), (128,
39113), (176, 38993), (178, 38987), (201, 38885), (212, 38840),

Gene: Giraffe_47 Start: 40067, Stop: 39423, Start Num: 54

Candidate Starts for Giraffe_47:

(Start: 54 @40067 has 62 MA's), (Start: 58 @40061 has 3 MA's), (Start: 59 @40058 has 1 MA's),
(Start: 92 @39983 has 220 MA's), (115, 39914), (117, 39911), (119, 39908), (178, 39743), (201,
39641), (238, 39434),

Gene: Gizmo_105 Start: 52954, Stop: 53592, Start Num: 75

Candidate Starts for Gizmo_105:

(Start: 75 @52954 has 190 MA's), (187, 53299), (203, 53377), (224, 53485), (240, 53587),

Gene: Glass_46 Start: 40819, Stop: 40055, Start Num: 25

Candidate Starts for Glass_46:

(Start: 25 @40819 has 37 MA's), (46, 40732), (69, 40675), (Start: 73 @40666 has 10 MA's), (74, 40663), (77, 40654), (110, 40567), (119, 40552), (141, 40468), (178, 40375), (193, 40324), (201, 40273), (210, 40234),

Gene: GlutenPhree_102 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for GlutenPhree_102:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224, 50863), (240, 50965),

Gene: Godines_46 Start: 40761, Stop: 39997, Start Num: 25

Candidate Starts for Godines_46:

(Start: 25 @40761 has 37 MA's), (34, 40719), (46, 40674), (69, 40617), (Start: 73 @40608 has 10 MA's), (74, 40605), (77, 40596), (110, 40509), (119, 40494), (141, 40410), (178, 40317), (193, 40266), (201, 40215), (210, 40176),

Gene: Gophee_47 Start: 40272, Stop: 39712, Start Num: 92

Candidate Starts for Gophee_47:

(Start: 54 @40356 has 62 MA's), (Start: 58 @40350 has 3 MA's), (Start: 59 @40347 has 1 MA's), (Start: 92 @40272 has 220 MA's), (115, 40203), (117, 40200), (119, 40197), (135, 40143), (201, 39930), (238, 39723),

Gene: Grand2040_46 Start: 39992, Stop: 39438, Start Num: 92

Candidate Starts for Grand2040_46:

(Start: 54 @40076 has 62 MA's), (Start: 58 @40070 has 3 MA's), (Start: 59 @40067 has 1 MA's), (Start: 92 @39992 has 220 MA's), (115, 39929), (117, 39926), (119, 39923), (135, 39869), (201, 39656), (217, 39590), (238, 39449),

Gene: Grasshills_108 Start: 53767, Stop: 54399, Start Num: 75

Candidate Starts for Grasshills_108:

(Start: 75 @53767 has 190 MA's), (187, 54106), (203, 54184), (224, 54292), (240, 54394),

Gene: Greely_236 Start: 133749, Stop: 134378, Start Num: 79

Candidate Starts for Greely_236:

(Start: 79 @133749 has 2 MA's), (98, 133797), (157, 134001), (177, 134046), (187, 134085), (193, 134106), (195, 134112), (200, 134142), (202, 134160), (236, 134355), (237, 134358),

Gene: GreenChile_47 Start: 40277, Stop: 39717, Start Num: 92

Candidate Starts for GreenChile_47:

(Start: 54 @40361 has 62 MA's), (Start: 58 @40355 has 3 MA's), (Start: 59 @40352 has 1 MA's), (Start: 92 @40277 has 220 MA's), (115, 40208), (117, 40205), (119, 40202), (178, 40037), (201, 39935), (238, 39728),

Gene: Grungle_89 Start: 48153, Stop: 48785, Start Num: 75

Candidate Starts for Grungle_89:

(Start: 75 @48153 has 190 MA's), (187, 48492), (203, 48570), (224, 48678), (240, 48780),

Gene: Gustav_54 Start: 38579, Stop: 38097, Start Num: 124

Candidate Starts for Gustav_54:

(Start: 124 @38579 has 1 MA's), (135, 38540), (180, 38393), (185, 38372), (205, 38291), (209, 38273), (219, 38228), (227, 38180),

Gene: Guwapp_100 Start: 50463, Stop: 51095, Start Num: 75

Candidate Starts for Guwapp_100:

(Start: 39 @50376 has 5 MA's), (Start: 75 @50463 has 190 MA's), (187, 50802), (203, 50880), (224, 50988), (240, 51090),

Gene: Gwennie1_47 Start: 40338, Stop: 39784, Start Num: 92

Candidate Starts for Gwennie1_47:

(Start: 54 @40422 has 62 MA's), (Start: 58 @40416 has 3 MA's), (Start: 59 @40413 has 1 MA's), (Start: 92 @40338 has 220 MA's), (115, 40275), (117, 40272), (119, 40269), (135, 40215), (201, 40002), (217, 39936), (238, 39795),

Gene: Gwilliam_47 Start: 40278, Stop: 39718, Start Num: 92

Candidate Starts for Gwilliam_47:

(Start: 54 @40362 has 62 MA's), (Start: 58 @40356 has 3 MA's), (Start: 59 @40353 has 1 MA's), (Start: 92 @40278 has 220 MA's), (115, 40209), (117, 40206), (119, 40203), (135, 40149), (201, 39936), (238, 39729),

Gene: Gyarad_0047 Start: 40364, Stop: 39720, Start Num: 54

Candidate Starts for Gyarad_0047:

(Start: 54 @40364 has 62 MA's), (Start: 58 @40358 has 3 MA's), (Start: 59 @40355 has 1 MA's), (Start: 92 @40280 has 220 MA's), (115, 40211), (117, 40208), (119, 40205), (135, 40151), (178, 40040), (201, 39938), (238, 39731),

Gene: HSavage_47 Start: 40284, Stop: 39724, Start Num: 92

Candidate Starts for HSavage_47:

(Start: 54 @40368 has 62 MA's), (Start: 58 @40362 has 3 MA's), (Start: 59 @40359 has 1 MA's), (Start: 92 @40284 has 220 MA's), (115, 40215), (117, 40212), (119, 40209), (135, 40155), (178, 40044), (201, 39942), (238, 39735),

Gene: Haimas_47 Start: 40278, Stop: 39718, Start Num: 92

Candidate Starts for Haimas_47:

(Start: 54 @40362 has 62 MA's), (Start: 58 @40356 has 3 MA's), (Start: 59 @40353 has 1 MA's), (Start: 92 @40278 has 220 MA's), (115, 40209), (117, 40206), (119, 40203), (135, 40149), (201, 39936), (238, 39729),

Gene: Haleema_46 Start: 39992, Stop: 39438, Start Num: 92

Candidate Starts for Haleema_46:

(Start: 54 @40076 has 62 MA's), (Start: 58 @40070 has 3 MA's), (Start: 59 @40067 has 1 MA's), (Start: 92 @39992 has 220 MA's), (115, 39929), (117, 39926), (119, 39923), (135, 39869), (201, 39656), (217, 39590), (238, 39449),

Gene: Halldule_95 Start: 49179, Stop: 49811, Start Num: 75

Candidate Starts for Halldule_95:

(45, 49101), (Start: 75 @49179 has 190 MA's), (187, 49518), (203, 49596), (224, 49704), (240, 49806),

Gene: Hally898_41 Start: 39407, Stop: 38679, Start Num: 33

Candidate Starts for Hally898_41:

(Start: 33 @39407 has 26 MA's), (Start: 79 @39266 has 2 MA's), (88, 39245), (94, 39230), (128, 39125), (176, 39005), (178, 38999), (201, 38897), (212, 38852),

Gene: Hamish_47 Start: 40270, Stop: 39710, Start Num: 92

Candidate Starts for Hamish_47:

(Start: 54 @40354 has 62 MA's), (Start: 58 @40348 has 3 MA's), (Start: 59 @40345 has 1 MA's),
(Start: 92 @40270 has 220 MA's), (115, 40201), (117, 40198), (119, 40195), (135, 40141), (201,
39928), (238, 39721),

Gene: Hangman_42 Start: 40448, Stop: 39690, Start Num: 33

Candidate Starts for Hangman_42:

(Start: 33 @40448 has 26 MA's), (48, 40379), (90, 40271), (100, 40241), (117, 40193), (123, 40181),
(171, 40025), (178, 40010), (186, 39977), (201, 39908), (212, 39863), (220, 39824), (235, 39716),

Gene: Happabalu_47 Start: 40083, Stop: 39439, Start Num: 54

Candidate Starts for Happabalu_47:

(Start: 54 @40083 has 62 MA's), (Start: 58 @40077 has 3 MA's), (Start: 59 @40074 has 1 MA's),
(Start: 92 @39999 has 220 MA's), (115, 39930), (117, 39927), (119, 39924), (135, 39870), (178,
39759), (201, 39657), (238, 39450),

Gene: Hartsy_47 Start: 40321, Stop: 39761, Start Num: 92

Candidate Starts for Hartsy_47:

(Start: 54 @40405 has 62 MA's), (Start: 58 @40399 has 3 MA's), (Start: 59 @40396 has 1 MA's),
(Start: 92 @40321 has 220 MA's), (115, 40252), (117, 40249), (119, 40246), (135, 40192), (201,
39979), (238, 39772),

Gene: Harvey_47 Start: 40380, Stop: 39736, Start Num: 54

Candidate Starts for Harvey_47:

(Start: 54 @40380 has 62 MA's), (Start: 58 @40374 has 3 MA's), (Start: 59 @40371 has 1 MA's),
(Start: 92 @40296 has 220 MA's), (115, 40227), (117, 40224), (119, 40221), (178, 40056), (201,
39954), (238, 39747),

Gene: Hashim76_48 Start: 39661, Stop: 38867, Start Num: 27

Candidate Starts for Hashim76_48:

(21, 39691), (Start: 27 @39661 has 12 MA's), (32, 39613), (46, 39553), (69, 39490), (84, 39454), (94,
39430), (148, 39244), (178, 39187), (201, 39082), (210, 39043), (215, 39019),

Gene: Heath_41 Start: 40055, Stop: 39297, Start Num: 33

Candidate Starts for Heath_41:

(Start: 33 @40055 has 26 MA's), (48, 39986), (90, 39878), (100, 39848), (117, 39800), (123, 39788),
(136, 39743), (171, 39632), (178, 39617), (186, 39584), (201, 39515), (212, 39470), (220, 39431),
(235, 39323),

Gene: Hedgerow_46 Start: 40801, Stop: 40037, Start Num: 25

Candidate Starts for Hedgerow_46:

(Start: 25 @40801 has 37 MA's), (46, 40714), (69, 40657), (Start: 73 @40648 has 10 MA's), (74,
40645), (77, 40636), (110, 40549), (119, 40534), (141, 40450), (178, 40357), (193, 40306), (201,
40255), (210, 40216),

Gene: Hekos_44 Start: 38847, Stop: 38287, Start Num: 92

Candidate Starts for Hekos_44:

(Start: 54 @38931 has 62 MA's), (Start: 58 @38925 has 3 MA's), (Start: 59 @38922 has 1 MA's),
(Start: 92 @38847 has 220 MA's), (115, 38778), (117, 38775), (119, 38772), (135, 38718), (201,
38505), (238, 38298),

Gene: Held_47 Start: 39982, Stop: 39422, Start Num: 92

Candidate Starts for Held_47:

(Start: 54 @40066 has 62 MA's), (Start: 58 @40060 has 3 MA's), (Start: 59 @40057 has 1 MA's),
(Start: 92 @39982 has 220 MA's), (115, 39913), (117, 39910), (119, 39907), (178, 39742), (201,
39640), (238, 39433),

Gene: HenryJackson_46 Start: 39992, Stop: 39438, Start Num: 92

Candidate Starts for HenryJackson_46:

(Start: 54 @40076 has 62 MA's), (Start: 58 @40070 has 3 MA's), (Start: 59 @40067 has 1 MA's),
(Start: 92 @39992 has 220 MA's), (115, 39929), (117, 39926), (119, 39923), (135, 39869), (201,
39656), (217, 39590), (238, 39449),

Gene: Hertubise_47 Start: 40376, Stop: 39732, Start Num: 54

Candidate Starts for Hertubise_47:

(Start: 54 @40376 has 62 MA's), (Start: 58 @40370 has 3 MA's), (Start: 59 @40367 has 1 MA's),
(Start: 92 @40292 has 220 MA's), (115, 40223), (117, 40220), (119, 40217), (178, 40052), (201,
39950), (238, 39743),

Gene: Hetaeria_47 Start: 40294, Stop: 39734, Start Num: 92

Candidate Starts for Hetaeria_47:

(Start: 54 @40378 has 62 MA's), (Start: 58 @40372 has 3 MA's), (Start: 59 @40369 has 1 MA's),
(Start: 92 @40294 has 220 MA's), (115, 40225), (117, 40222), (119, 40219), (178, 40054), (201,
39952), (238, 39745),

Gene: HighStump_47 Start: 40119, Stop: 39559, Start Num: 92

Candidate Starts for HighStump_47:

(Start: 54 @40203 has 62 MA's), (Start: 58 @40197 has 3 MA's), (Start: 59 @40194 has 1 MA's),
(Start: 92 @40119 has 220 MA's), (115, 40050), (117, 40047), (119, 40044), (135, 39990), (201,
39777),

Gene: Hocus_46 Start: 39981, Stop: 39427, Start Num: 92

Candidate Starts for Hocus_46:

(Start: 54 @40065 has 62 MA's), (Start: 58 @40059 has 3 MA's), (Start: 59 @40056 has 1 MA's),
(Start: 92 @39981 has 220 MA's), (115, 39918), (117, 39915), (119, 39912), (135, 39858), (201,
39645), (217, 39579), (238, 39438),

Gene: HogWash_47 Start: 40290, Stop: 39730, Start Num: 92

Candidate Starts for HogWash_47:

(Start: 54 @40374 has 62 MA's), (Start: 58 @40368 has 3 MA's), (Start: 59 @40365 has 1 MA's),
(Start: 92 @40290 has 220 MA's), (115, 40221), (117, 40218), (119, 40215), (135, 40161), (178,
40050), (201, 39948), (238, 39741),

Gene: Holeinone_46 Start: 40681, Stop: 39917, Start Num: 25

Candidate Starts for Holeinone_46:

(Start: 25 @40681 has 37 MA's), (34, 40639), (46, 40594), (69, 40537), (Start: 73 @40528 has 10
MA's), (74, 40525), (77, 40516), (110, 40429), (119, 40414), (141, 40330), (178, 40237), (193, 40186),
(201, 40135), (210, 40096),

Gene: Horchata_47 Start: 40272, Stop: 39712, Start Num: 92

Candidate Starts for Horchata_47:

(Start: 54 @40356 has 62 MA's), (Start: 58 @40350 has 3 MA's), (Start: 59 @40347 has 1 MA's),
(Start: 92 @40272 has 220 MA's), (115, 40203), (117, 40200), (119, 40197), (135, 40143), (201,
39930), (238, 39723),

Gene: HyRo_93 Start: 50590, Stop: 51222, Start Num: 75

Candidate Starts for HyRo_93:

(Start: 75 @50590 has 190 MA's), (187, 50929), (203, 51007), (224, 51115), (240, 51217),

Gene: Hydro_42 Start: 40465, Stop: 39707, Start Num: 33

Candidate Starts for Hydro_42:

(Start: 33 @40465 has 26 MA's), (48, 40396), (90, 40288), (100, 40258), (117, 40210), (123, 40198), (171, 40042), (178, 40027), (186, 39994), (201, 39925), (212, 39880), (220, 39841), (235, 39733),

Gene: I3_107 Start: 52305, Stop: 52937, Start Num: 75

Candidate Starts for I3_107:

(Start: 75 @52305 has 190 MA's), (187, 52644), (203, 52722), (224, 52830), (240, 52932),

Gene: IkeLoa_95 Start: 50415, Stop: 51053, Start Num: 75

Candidate Starts for IkeLoa_95:

(Start: 75 @50415 has 190 MA's), (187, 50760), (203, 50838), (224, 50946), (240, 51048),

Gene: ImtiyazSitla_47 Start: 40051, Stop: 39407, Start Num: 54

Candidate Starts for ImtiyazSitla_47:

(Start: 54 @40051 has 62 MA's), (Start: 58 @40045 has 3 MA's), (Start: 59 @40042 has 1 MA's), (Start: 92 @39967 has 220 MA's), (115, 39898), (117, 39895), (119, 39892), (135, 39838), (201, 39625),

Gene: Inchworm_48 Start: 40405, Stop: 39845, Start Num: 92

Candidate Starts for Inchworm_48:

(Start: 54 @40489 has 62 MA's), (Start: 58 @40483 has 3 MA's), (Start: 59 @40480 has 1 MA's), (Start: 92 @40405 has 220 MA's), (115, 40336), (117, 40333), (119, 40330), (135, 40276), (201, 40063),

Gene: Indlovu_44 Start: 39795, Stop: 38992, Start Num: 24

Candidate Starts for Indlovu_44:

(Start: 24 @39795 has 1 MA's), (93, 39591), (Start: 120 @39525 has 6 MA's), (135, 39477), (141, 39441), (163, 39354), (177, 39315), (178, 39312), (201, 39210), (202, 39204), (205, 39195), (210, 39171), (217, 39144), (230, 39072), (235, 39018),

Gene: InigoMontoya_102 Start: 50299, Stop: 50931, Start Num: 75

Candidate Starts for InigoMontoya_102:

(Start: 39 @50212 has 5 MA's), (Start: 75 @50299 has 190 MA's), (187, 50638), (203, 50716), (224, 50824), (240, 50926),

Gene: InterFolia_109 Start: 53313, Stop: 53945, Start Num: 75

Candidate Starts for InterFolia_109:

(Start: 39 @53226 has 5 MA's), (Start: 75 @53313 has 190 MA's), (187, 53652), (203, 53730), (224, 53838), (240, 53940),

Gene: Inverness_47 Start: 40365, Stop: 39721, Start Num: 54

Candidate Starts for Inverness_47:

(Start: 54 @40365 has 62 MA's), (Start: 58 @40359 has 3 MA's), (Start: 59 @40356 has 1 MA's), (Start: 92 @40281 has 220 MA's), (115, 40212), (117, 40209), (119, 40206), (135, 40152), (178, 40041), (201, 39939), (238, 39732),

Gene: Iota_96 Start: 50775, Stop: 51407, Start Num: 75

Candidate Starts for Iota_96:

(Start: 75 @50775 has 190 MA's), (187, 51114), (203, 51192), (224, 51300), (240, 51402),

Gene: Iridessa_47 Start: 39977, Stop: 39423, Start Num: 92

Candidate Starts for Iridessa_47:

(Start: 54 @40061 has 62 MA's), (Start: 58 @40055 has 3 MA's), (Start: 59 @40052 has 1 MA's),
(Start: 92 @39977 has 220 MA's), (115, 39914), (117, 39911), (119, 39908), (135, 39854), (201,
39641), (217, 39575), (238, 39434),

Gene: Iridoclysis_47 Start: 40264, Stop: 39704, Start Num: 92

Candidate Starts for Iridoclysis_47:

(Start: 54 @40348 has 62 MA's), (Start: 58 @40342 has 3 MA's), (Start: 59 @40339 has 1 MA's),
(Start: 92 @40264 has 220 MA's), (115, 40195), (117, 40192), (119, 40189), (135, 40135), (201,
39922), (238, 39715),

Gene: IsaacEli_48 Start: 40507, Stop: 39863, Start Num: 54

Candidate Starts for IsaacEli_48:

(Start: 54 @40507 has 62 MA's), (Start: 58 @40501 has 3 MA's), (Start: 59 @40498 has 1 MA's),
(Start: 92 @40423 has 220 MA's), (115, 40354), (117, 40351), (119, 40348), (135, 40294), (201,
40081),

Gene: Issimir_100 Start: 51778, Stop: 52416, Start Num: 75

Candidate Starts for Issimir_100:

(Start: 75 @51778 has 190 MA's), (187, 52123), (203, 52201), (224, 52309), (240, 52411),

Gene: ItsyBitsy1_46 Start: 40683, Stop: 39919, Start Num: 25

Candidate Starts for ItsyBitsy1_46:

(Start: 25 @40683 has 37 MA's), (46, 40596), (69, 40539), (Start: 73 @40530 has 10 MA's), (74,
40527), (77, 40518), (110, 40431), (119, 40416), (141, 40332), (178, 40239), (193, 40188), (201,
40137), (210, 40098),

Gene: Izajani_101 Start: 51984, Stop: 52622, Start Num: 75

Candidate Starts for Izajani_101:

(Start: 75 @51984 has 190 MA's), (187, 52329), (203, 52407), (224, 52515), (240, 52617),

Gene: JAMaL_42 Start: 40606, Stop: 39878, Start Num: 33

Candidate Starts for JAMaL_42:

(26, 40660), (Start: 33 @40606 has 26 MA's), (Start: 79 @40465 has 2 MA's), (88, 40444), (94, 40429),
(128, 40324), (176, 40204), (178, 40198), (201, 40096), (212, 40051), (217, 40030), (220, 40012),
(235, 39904),

Gene: JDog_46 Start: 40001, Stop: 39441, Start Num: 92

Candidate Starts for JDog_46:

(Start: 54 @40085 has 62 MA's), (Start: 58 @40079 has 3 MA's), (Start: 59 @40076 has 1 MA's),
(Start: 92 @40001 has 220 MA's), (115, 39932), (117, 39929), (119, 39926), (135, 39872), (178,
39761), (201, 39659), (238, 39452),

Gene: JPickles_99 Start: 49482, Stop: 50201, Start Num: 39

Candidate Starts for JPickles_99:

(Start: 39 @49482 has 5 MA's), (Start: 75 @49569 has 190 MA's), (187, 49908), (203, 49986), (224,
50094), (240, 50196),

Gene: JacAttac_48 Start: 40483, Stop: 39845, Start Num: 58

Candidate Starts for JacAttac_48:

(Start: 54 @40489 has 62 MA's), (Start: 58 @40483 has 3 MA's), (Start: 59 @40480 has 1 MA's),
(Start: 92 @40405 has 220 MA's), (115, 40336), (117, 40333), (119, 40330), (135, 40276), (201,
40063),

Gene: JaguarMi_42 Start: 39908, Stop: 39174, Start Num: 33

Candidate Starts for JaguarMi_42:

(Start: 33 @39908 has 26 MA's), (90, 39734), (100, 39704), (117, 39656), (123, 39644), (145, 39554),
(176, 39500), (178, 39494), (201, 39392), (212, 39347), (220, 39308),

Gene: JakeO_46 Start: 40000, Stop: 39440, Start Num: 92

Candidate Starts for JakeO_46:

(Start: 54 @40084 has 62 MA's), (Start: 58 @40078 has 3 MA's), (Start: 59 @40075 has 1 MA's),
(Start: 92 @40000 has 220 MA's), (115, 39931), (117, 39928), (119, 39925), (135, 39871), (201,
39658), (238, 39451),

Gene: JangoPhett_47 Start: 40275, Stop: 39715, Start Num: 92

Candidate Starts for JangoPhett_47:

(Start: 54 @40359 has 62 MA's), (Start: 58 @40353 has 3 MA's), (Start: 59 @40350 has 1 MA's),
(Start: 92 @40275 has 220 MA's), (115, 40206), (117, 40203), (119, 40200), (178, 40035), (201,
39933), (238, 39726),

Gene: Janiyra_103 Start: 51265, Stop: 51897, Start Num: 75

Candidate Starts for Janiyra_103:

(Start: 75 @51265 has 190 MA's), (187, 51604), (203, 51682), (224, 51790), (240, 51892),

Gene: JayJay_107 Start: 53030, Stop: 53662, Start Num: 75

Candidate Starts for JayJay_107:

(Start: 75 @53030 has 190 MA's), (187, 53369), (203, 53447), (224, 53555), (240, 53657),

Gene: Jaygup_101 Start: 51094, Stop: 51726, Start Num: 75

Candidate Starts for Jaygup_101:

(Start: 39 @51007 has 5 MA's), (Start: 75 @51094 has 190 MA's), (187, 51433), (203, 51511), (224,
51619), (240, 51721),

Gene: Jedediah_104 Start: 51627, Stop: 52259, Start Num: 75

Candidate Starts for Jedediah_104:

(Start: 39 @51540 has 5 MA's), (Start: 75 @51627 has 190 MA's), (187, 51966), (203, 52044), (224,
52152), (240, 52254),

Gene: JellyBelly_40 Start: 33927, Stop: 33238, Start Num: 36

Candidate Starts for JellyBelly_40:

(Start: 36 @33927 has 13 MA's), (95, 33783), (103, 33756), (129, 33678), (178, 33552), (201, 33450),
(205, 33435), (215, 33387),

Gene: Jemmno_101 Start: 51074, Stop: 51706, Start Num: 75

Candidate Starts for Jemmno_101:

(Start: 39 @50987 has 5 MA's), (Start: 75 @51074 has 190 MA's), (187, 51413), (203, 51491), (224,
51599), (240, 51701),

Gene: Jesabah_47 Start: 40003, Stop: 39443, Start Num: 92

Candidate Starts for Jesabah_47:

(Start: 54 @40087 has 62 MA's), (Start: 58 @40081 has 3 MA's), (Start: 59 @40078 has 1 MA's),
(Start: 92 @40003 has 220 MA's), (115, 39934), (117, 39931), (119, 39928), (178, 39763), (201,

39661), (238, 39454),

Gene: Jessibeth14_100 Start: 51589, Stop: 52227, Start Num: 75

Candidate Starts for Jessibeth14_100:

(Start: 75 @51589 has 190 MA's), (187, 51934), (203, 52012), (224, 52120), (240, 52222),

Gene: Jezreel_101 Start: 51758, Stop: 52390, Start Num: 75

Candidate Starts for Jezreel_101:

(Start: 75 @51758 has 190 MA's), (187, 52097), (203, 52175), (224, 52283), (240, 52385),

Gene: JigglyPuff_109 Start: 53918, Stop: 54556, Start Num: 75

Candidate Starts for JigglyPuff_109:

(Start: 75 @53918 has 190 MA's), (187, 54263), (203, 54341), (224, 54449), (240, 54551),

Gene: Jillium_46 Start: 39994, Stop: 39434, Start Num: 92

Candidate Starts for Jillium_46:

(Start: 54 @40078 has 62 MA's), (Start: 58 @40072 has 3 MA's), (Start: 59 @40069 has 1 MA's),
(Start: 92 @39994 has 220 MA's), (115, 39925), (117, 39922), (119, 39919), (178, 39754), (201,
39652), (238, 39445),

Gene: Jiminy_46 Start: 39835, Stop: 39275, Start Num: 92

Candidate Starts for Jiminy_46:

(Start: 54 @39919 has 62 MA's), (Start: 58 @39913 has 3 MA's), (Start: 59 @39910 has 1 MA's),
(Start: 92 @39835 has 220 MA's), (115, 39766), (117, 39763), (119, 39760), (135, 39706), (201,
39493), (238, 39286),

Gene: Jiraiya_46 Start: 39988, Stop: 39428, Start Num: 92

Candidate Starts for Jiraiya_46:

(Start: 54 @40072 has 62 MA's), (Start: 58 @40066 has 3 MA's), (Start: 59 @40063 has 1 MA's),
(Start: 92 @39988 has 220 MA's), (115, 39919), (117, 39916), (119, 39913), (135, 39859), (201,
39646), (238, 39439),

Gene: JoyceMaria_42 Start: 40421, Stop: 39693, Start Num: 33

Candidate Starts for JoyceMaria_42:

(Start: 33 @40421 has 26 MA's), (90, 40253), (100, 40223), (101, 40220), (117, 40175), (123, 40163),
(176, 40019), (178, 40013), (201, 39911), (212, 39866), (220, 39827), (235, 39719),

Gene: JulietS_95 Start: 49032, Stop: 49664, Start Num: 75

Candidate Starts for JulietS_95:

(Start: 75 @49032 has 190 MA's), (187, 49371), (203, 49449), (224, 49557), (240, 49659),

Gene: JustHall_98 Start: 51127, Stop: 51765, Start Num: 75

Candidate Starts for JustHall_98:

(Start: 75 @51127 has 190 MA's), (187, 51472), (203, 51550), (224, 51658), (240, 51760),

Gene: KLUcky39_47 Start: 40279, Stop: 39719, Start Num: 92

Candidate Starts for KLUcky39_47:

(Start: 54 @40363 has 62 MA's), (Start: 58 @40357 has 3 MA's), (Start: 59 @40354 has 1 MA's),
(Start: 92 @40279 has 220 MA's), (115, 40210), (117, 40207), (119, 40204), (135, 40150), (178,
40039), (201, 39937), (238, 39730),

Gene: Kahve_46 Start: 39989, Stop: 39435, Start Num: 92

Candidate Starts for Kahve_46:

(Start: 54 @40073 has 62 MA's), (Start: 58 @40067 has 3 MA's), (Start: 59 @40064 has 1 MA's), (Start: 92 @39989 has 220 MA's), (115, 39926), (117, 39923), (119, 39920), (135, 39866), (201, 39653), (217, 39587), (238, 39446),

Gene: Kailash_47 Start: 40336, Stop: 39776, Start Num: 92

Candidate Starts for Kailash_47:

(Start: 54 @40420 has 62 MA's), (Start: 58 @40414 has 3 MA's), (Start: 59 @40411 has 1 MA's), (Start: 92 @40336 has 220 MA's), (117, 40264), (119, 40261), (135, 40207), (178, 40096), (201, 39994), (238, 39787),

Gene: Kaleb_46 Start: 40816, Stop: 40052, Start Num: 25

Candidate Starts for Kaleb_46:

(Start: 25 @40816 has 37 MA's), (34, 40774), (46, 40729), (69, 40672), (Start: 73 @40663 has 10 MA's), (74, 40660), (77, 40651), (110, 40564), (119, 40549), (141, 40465), (178, 40372), (193, 40321), (201, 40270), (210, 40231),

Gene: Kamryn_101 Start: 52411, Stop: 53043, Start Num: 75

Candidate Starts for Kamryn_101:

(35, 52300), (Start: 75 @52411 has 190 MA's), (187, 52750), (203, 52828), (224, 52936), (240, 53038),

Gene: KarasumaRum_47 Start: 41044, Stop: 40259, Start Num: 27

Candidate Starts for KarasumaRum_47:

(8, 41194), (10, 41158), (13, 41128), (18, 41089), (Start: 27 @41044 has 12 MA's), (Start: 73 @40882 has 10 MA's), (84, 40855), (121, 40756), (141, 40681), (178, 40579), (201, 40477), (202, 40471), (205, 40462), (215, 40414),

Gene: Karn_46 Start: 39995, Stop: 39435, Start Num: 92

Candidate Starts for Karn_46:

(Start: 54 @40079 has 62 MA's), (Start: 58 @40073 has 3 MA's), (Start: 59 @40070 has 1 MA's), (Start: 92 @39995 has 220 MA's), (115, 39926), (117, 39923), (119, 39920), (135, 39866), (201, 39653), (238, 39446),

Gene: Karp_256 Start: 124709, Stop: 125182, Start Num: 120

Candidate Starts for Karp_256:

(112, 124691), (Start: 120 @124709 has 6 MA's), (164, 124835), (166, 124838), (179, 124871), (198, 124946), (203, 124982), (218, 125039), (222, 125057), (231, 125123), (235, 125162),

Gene: Katniss_48 Start: 40432, Stop: 39872, Start Num: 92

Candidate Starts for Katniss_48:

(Start: 54 @40516 has 62 MA's), (Start: 58 @40510 has 3 MA's), (Start: 59 @40507 has 1 MA's), (Start: 92 @40432 has 220 MA's), (115, 40363), (117, 40360), (119, 40357), (135, 40303), (201, 40090),

Gene: Kboogie_105 Start: 50769, Stop: 51401, Start Num: 75

Candidate Starts for Kboogie_105:

(Start: 75 @50769 has 190 MA's), (187, 51108), (203, 51186), (224, 51294), (240, 51396),

Gene: Keitherie_47 Start: 40335, Stop: 39775, Start Num: 92

Candidate Starts for Keitherie_47:

(Start: 54 @40419 has 62 MA's), (Start: 58 @40413 has 3 MA's), (Start: 59 @40410 has 1 MA's), (Start: 92 @40335 has 220 MA's), (115, 40266), (117, 40263), (119, 40260), (135, 40206), (201, 39993), (238, 39786),

Gene: Khaleesi_100 Start: 51704, Stop: 52342, Start Num: 75

Candidate Starts for Khaleesi_100:

(Start: 75 @51704 has 190 MA's), (187, 52049), (203, 52127), (224, 52235), (240, 52337),

Gene: Khan1_47 Start: 40010, Stop: 39456, Start Num: 92

Candidate Starts for Khan1_47:

(Start: 54 @40094 has 62 MA's), (Start: 58 @40088 has 3 MA's), (Start: 59 @40085 has 1 MA's),
(Start: 92 @40010 has 220 MA's), (115, 39947), (117, 39944), (119, 39941), (135, 39887), (201,
39674), (217, 39608), (238, 39467),

Gene: Kheth_46 Start: 40734, Stop: 39940, Start Num: 25

Candidate Starts for Kheth_46:

(Start: 25 @40734 has 37 MA's), (34, 40662), (46, 40617), (69, 40560), (Start: 73 @40551 has 10
MA's), (74, 40548), (77, 40539), (110, 40452), (119, 40437), (141, 40353), (178, 40260), (193, 40209),
(201, 40158), (210, 40119),

Gene: Kikipoo_48 Start: 40507, Stop: 39863, Start Num: 54

Candidate Starts for Kikipoo_48:

(Start: 54 @40507 has 62 MA's), (Start: 58 @40501 has 3 MA's), (Start: 59 @40498 has 1 MA's),
(Start: 92 @40423 has 220 MA's), (115, 40354), (117, 40351), (119, 40348), (135, 40294), (201,
40081),

Gene: Kimbrough_47 Start: 39996, Stop: 39436, Start Num: 92

Candidate Starts for Kimbrough_47:

(Start: 54 @40080 has 62 MA's), (Start: 58 @40074 has 3 MA's), (Start: 59 @40071 has 1 MA's),
(Start: 92 @39996 has 220 MA's), (115, 39927), (117, 39924), (119, 39921), (135, 39867), (201,
39654), (238, 39447),

Gene: KingTut_38 Start: 35659, Stop: 35099, Start Num: 92

Candidate Starts for KingTut_38:

(Start: 54 @35743 has 62 MA's), (Start: 58 @35737 has 3 MA's), (Start: 59 @35734 has 1 MA's),
(Start: 92 @35659 has 220 MA's), (115, 35590), (117, 35587), (119, 35584), (135, 35530), (201,
35317), (238, 35110),

Gene: KingVeVeVe_47 Start: 40266, Stop: 39706, Start Num: 92

Candidate Starts for KingVeVeVe_47:

(Start: 75 @40308 has 190 MA's), (Start: 92 @40266 has 220 MA's), (115, 40197), (117, 40194), (119,
40191), (135, 40137), (201, 39924), (238, 39717),

Gene: KlimbOn_47 Start: 40357, Stop: 39713, Start Num: 54

Candidate Starts for KlimbOn_47:

(Start: 54 @40357 has 62 MA's), (Start: 58 @40351 has 3 MA's), (Start: 59 @40348 has 1 MA's),
(Start: 92 @40273 has 220 MA's), (115, 40204), (117, 40201), (119, 40198), (135, 40144), (178,
40033), (201, 39931), (238, 39724),

Gene: Kloppinator_47 Start: 40299, Stop: 39739, Start Num: 92

Candidate Starts for Kloppinator_47:

(52, 40392), (Start: 58 @40377 has 3 MA's), (Start: 59 @40374 has 1 MA's), (Start: 92 @40299 has
220 MA's), (115, 40230), (117, 40227), (119, 40224), (178, 40059), (201, 39957), (238, 39750),

Gene: Knocker_47 Start: 42121, Stop: 41354, Start Num: 27

Candidate Starts for Knocker_47:

(Start: 27 @42121 has 12 MA's), (61, 41983), (66, 41974), (69, 41968), (80, 41941), (84, 41932), (94, 41908), (159, 41704), (177, 41677), (178, 41674), (184, 41653), (197, 41608), (201, 41572), (210, 41533), (231, 41419), (235, 41380),

Gene: Koguma_98 Start: 49254, Stop: 49886, Start Num: 75

Candidate Starts for Koguma_98:

(Start: 75 @49254 has 190 MA's), (187, 49593), (203, 49671), (224, 49779), (240, 49881),

Gene: Kolhan_46 Start: 40689, Stop: 39931, Start Num: 25

Candidate Starts for Kolhan_46:

(Start: 25 @40689 has 37 MA's), (46, 40608), (69, 40551), (Start: 73 @40542 has 10 MA's), (74, 40539), (77, 40530), (110, 40443), (119, 40428), (141, 40344), (178, 40251), (193, 40200), (201, 40149), (210, 40110),

Gene: Konstantine_45 Start: 38208, Stop: 38840, Start Num: 73

Candidate Starts for Konstantine_45:

(Start: 73 @38208 has 10 MA's), (104, 38295), (106, 38304), (Start: 120 @38337 has 6 MA's), (134, 38382), (197, 38574), (198, 38583), (207, 38637), (215, 38676), (222, 38706), (234, 38802), (238, 38826),

Gene: Kwadwo_46 Start: 39971, Stop: 39417, Start Num: 92

Candidate Starts for Kwadwo_46:

(Start: 54 @40055 has 62 MA's), (Start: 58 @40049 has 3 MA's), (Start: 59 @40046 has 1 MA's), (Start: 92 @39971 has 220 MA's), (115, 39908), (117, 39905), (119, 39902), (135, 39848), (201, 39635), (217, 39569), (238, 39428),

Gene: Kwksand96_46 Start: 39846, Stop: 39286, Start Num: 92

Candidate Starts for Kwksand96_46:

(Start: 54 @39930 has 62 MA's), (Start: 58 @39924 has 3 MA's), (Start: 59 @39921 has 1 MA's), (Start: 92 @39846 has 220 MA's), (115, 39777), (117, 39774), (119, 39771), (178, 39606), (201, 39504), (238, 39297),

Gene: LRRHood_96 Start: 51308, Stop: 51940, Start Num: 75

Candidate Starts for LRRHood_96:

(Start: 75 @51308 has 190 MA's), (187, 51647), (203, 51725), (224, 51833), (240, 51935),

Gene: Labeouficaum_46 Start: 39841, Stop: 39281, Start Num: 92

Candidate Starts for Labeouficaum_46:

(Start: 54 @39925 has 62 MA's), (Start: 58 @39919 has 3 MA's), (Start: 59 @39916 has 1 MA's), (Start: 92 @39841 has 220 MA's), (115, 39772), (117, 39769), (119, 39766), (178, 39601), (201, 39499), (238, 39292),

Gene: Labradorite_100 Start: 50025, Stop: 50657, Start Num: 75

Candidate Starts for Labradorite_100:

(Start: 39 @49938 has 5 MA's), (Start: 75 @50025 has 190 MA's), (187, 50364), (203, 50442), (224, 50550), (240, 50652),

Gene: Lambano_41 Start: 39407, Stop: 38679, Start Num: 33

Candidate Starts for Lambano_41:

(Start: 33 @39407 has 26 MA's), (Start: 79 @39266 has 2 MA's), (88, 39245), (94, 39230), (128, 39125), (176, 39005), (178, 38999), (201, 38897), (212, 38852),

Gene: Lars_46 Start: 40806, Stop: 40042, Start Num: 25

Candidate Starts for Lars_46:

(Start: 25 @40806 has 37 MA's), (34, 40764), (46, 40719), (69, 40662), (Start: 73 @40653 has 10 MA's), (74, 40650), (77, 40641), (110, 40554), (119, 40539), (141, 40455), (178, 40362), (193, 40311), (201, 40260), (210, 40221),

Gene: Larson_48 Start: 40393, Stop: 39833, Start Num: 92

Candidate Starts for Larson_48:

(Start: 54 @40477 has 62 MA's), (Start: 58 @40471 has 3 MA's), (Start: 59 @40468 has 1 MA's), (Start: 92 @40393 has 220 MA's), (115, 40324), (117, 40321), (119, 40318), (135, 40264), (201, 40051), (238, 39844),

Gene: LasagnaCat_48 Start: 40417, Stop: 39857, Start Num: 92

Candidate Starts for LasagnaCat_48:

(Start: 54 @40501 has 62 MA's), (Start: 58 @40495 has 3 MA's), (Start: 59 @40492 has 1 MA's), (Start: 92 @40417 has 220 MA's), (115, 40348), (117, 40345), (119, 40342), (135, 40288), (201, 40075),

Gene: Lasso_47 Start: 40246, Stop: 39692, Start Num: 92

Candidate Starts for Lasso_47:

(Start: 54 @40330 has 62 MA's), (Start: 58 @40324 has 3 MA's), (Start: 59 @40321 has 1 MA's), (Start: 92 @40246 has 220 MA's), (115, 40183), (117, 40180), (119, 40177), (135, 40123), (201, 39910), (217, 39844), (238, 39703),

Gene: Latch_101 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for Latch_101:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224, 50863), (240, 50965),

Gene: Laurie_45 Start: 40205, Stop: 39441, Start Num: 25

Candidate Starts for Laurie_45:

(Start: 25 @40205 has 37 MA's), (46, 40118), (69, 40061), (Start: 73 @40052 has 10 MA's), (74, 40049), (77, 40040), (110, 39953), (119, 39938), (141, 39854), (193, 39710), (201, 39659), (210, 39620),

Gene: Lee7_99 Start: 52340, Stop: 52972, Start Num: 75

Candidate Starts for Lee7_99:

(Start: 75 @52340 has 190 MA's), (187, 52679), (203, 52757), (224, 52865), (240, 52967),

Gene: LeeLot_47 Start: 40367, Stop: 39723, Start Num: 54

Candidate Starts for LeeLot_47:

(Start: 54 @40367 has 62 MA's), (Start: 58 @40361 has 3 MA's), (Start: 59 @40358 has 1 MA's), (Start: 92 @40283 has 220 MA's), (115, 40214), (117, 40211), (119, 40208), (178, 40043), (201, 39941), (238, 39734),

Gene: Lego3393_46 Start: 40426, Stop: 39866, Start Num: 92

Candidate Starts for Lego3393_46:

(Start: 54 @40510 has 62 MA's), (Start: 58 @40504 has 3 MA's), (Start: 59 @40501 has 1 MA's), (Start: 92 @40426 has 220 MA's), (115, 40357), (117, 40354), (119, 40351), (135, 40297), (201, 40084),

Gene: Legolas_47 Start: 40016, Stop: 39462, Start Num: 92

Candidate Starts for Legolas_47:

(Start: 54 @40100 has 62 MA's), (Start: 58 @40094 has 3 MA's), (Start: 59 @40091 has 1 MA's), (Start: 92 @40016 has 220 MA's), (115, 39953), (117, 39950), (119, 39947), (135, 39893), (201, 39680), (217, 39614), (238, 39473),

Gene: Lehmann_47 Start: 39900, Stop: 39256, Start Num: 54

Candidate Starts for Lehmann_47:

(Start: 54 @39900 has 62 MA's), (Start: 58 @39894 has 3 MA's), (Start: 59 @39891 has 1 MA's), (Start: 92 @39816 has 220 MA's), (115, 39747), (117, 39744), (119, 39741), (135, 39687), (178, 39576), (201, 39474), (238, 39267),

Gene: LeiMonet_47 Start: 39978, Stop: 39424, Start Num: 92

Candidate Starts for LeiMonet_47:

(Start: 54 @40062 has 62 MA's), (Start: 58 @40056 has 3 MA's), (Start: 59 @40053 has 1 MA's), (Start: 92 @39978 has 220 MA's), (115, 39915), (117, 39912), (119, 39909), (135, 39855), (201, 39642), (238, 39435),

Gene: LemonSlice_47 Start: 39983, Stop: 39423, Start Num: 92

Candidate Starts for LemonSlice_47:

(Start: 54 @40067 has 62 MA's), (Start: 58 @40061 has 3 MA's), (Start: 59 @40058 has 1 MA's), (Start: 92 @39983 has 220 MA's), (115, 39914), (117, 39911), (119, 39908), (178, 39743), (201, 39641), (238, 39434),

Gene: Lephleur_46 Start: 40699, Stop: 39935, Start Num: 25

Candidate Starts for Lephleur_46:

(Start: 25 @40699 has 37 MA's), (46, 40612), (69, 40555), (Start: 73 @40546 has 10 MA's), (74, 40543), (77, 40534), (110, 40447), (119, 40432), (141, 40348), (178, 40255), (193, 40204), (201, 40153), (210, 40114),

Gene: Lethe_100 Start: 51781, Stop: 52413, Start Num: 75

Candidate Starts for Lethe_100:

(Start: 75 @51781 has 190 MA's), (187, 52120), (203, 52198), (224, 52306), (240, 52408),

Gene: LifeSavor_100 Start: 50939, Stop: 51658, Start Num: 39

Candidate Starts for LifeSavor_100:

(Start: 39 @50939 has 5 MA's), (Start: 75 @51026 has 190 MA's), (187, 51365), (203, 51443), (224, 51551), (240, 51653),

Gene: Ligma_40 Start: 34038, Stop: 33349, Start Num: 36

Candidate Starts for Ligma_40:

(20, 34119), (30, 34071), (Start: 36 @34038 has 13 MA's), (98, 33888), (100, 33876), (103, 33867), (184, 33642), (201, 33561), (205, 33546), (215, 33498),

Gene: LilMcDreamy_43 Start: 40014, Stop: 39223, Start Num: 22

Candidate Starts for LilMcDreamy_43:

(Start: 22 @40014 has 1 MA's), (61, 39864), (102, 39765), (Start: 120 @39720 has 6 MA's), (127, 39696), (133, 39675), (143, 39627), (178, 39543), (205, 39426), (215, 39378),

Gene: LilSmirk_46 Start: 40693, Stop: 39929, Start Num: 25

Candidate Starts for LilSmirk_46:

(Start: 25 @40693 has 37 MA's), (46, 40606), (69, 40549), (Start: 73 @40540 has 10 MA's), (74, 40537), (77, 40528), (110, 40441), (119, 40426), (141, 40342), (178, 40249), (193, 40198), (201, 40147), (210, 40108),

Gene: LilyPad_40 Start: 32787, Stop: 33488, Start Num: 83

Candidate Starts for LilyPad_40:

(Start: 60 @32736 has 1 MA's), (Start: 83 @32787 has 8 MA's), (150, 33009), (154, 33024), (161, 33045), (199, 33192), (201, 33207), (206, 33225), (242, 33459), (243, 33465),

Gene: LinStu_101 Start: 51916, Stop: 52548, Start Num: 75

Candidate Starts for LinStu_101:

(Start: 75 @51916 has 190 MA's), (187, 52255), (203, 52333), (224, 52441), (240, 52543),

Gene: LittleDigger_41 Start: 39429, Stop: 38701, Start Num: 33

Candidate Starts for LittleDigger_41:

(Start: 33 @39429 has 26 MA's), (Start: 79 @39288 has 2 MA's), (88, 39267), (94, 39252), (128, 39147), (176, 39027), (178, 39021), (201, 38919), (212, 38874),

Gene: LittleFella_44 Start: 34392, Stop: 35063, Start Num: 70

Candidate Starts for LittleFella_44:

(Start: 70 @34392 has 1 MA's), (181, 34752), (188, 34782), (194, 34803), (198, 34824), (208, 34881), (213, 34893), (221, 34935), (226, 34974),

Gene: LittleMinkey_51 Start: 39746, Stop: 38958, Start Num: 27

Candidate Starts for LittleMinkey_51:

(21, 39776), (Start: 27 @39746 has 12 MA's), (44, 39641), (46, 39635), (61, 39593), (69, 39578), (Start: 83 @39545 has 8 MA's), (84, 39542), (94, 39518), (178, 39278), (201, 39173), (210, 39134),

Gene: LittleMunchkin_42 Start: 37302, Stop: 36634, Start Num: 36

Candidate Starts for LittleMunchkin_42:

(28, 37341), (Start: 36 @37302 has 13 MA's), (87, 37188), (130, 37071), (141, 37023), (178, 36948), (190, 36906), (201, 36846), (205, 36831), (215, 36783),

Gene: Littleton_101 Start: 51158, Stop: 51790, Start Num: 75

Candidate Starts for Littleton_101:

(35, 51047), (Start: 75 @51158 has 190 MA's), (187, 51497), (203, 51575), (224, 51683), (240, 51785),

Gene: LizLemon_46 Start: 40815, Stop: 40051, Start Num: 25

Candidate Starts for LizLemon_46:

(Start: 25 @40815 has 37 MA's), (46, 40728), (69, 40671), (Start: 73 @40662 has 10 MA's), (74, 40659), (77, 40650), (110, 40563), (119, 40548), (141, 40464), (178, 40371), (193, 40320), (201, 40269), (210, 40230),

Gene: Loanshark_101 Start: 51927, Stop: 52565, Start Num: 75

Candidate Starts for Loanshark_101:

(Start: 75 @51927 has 190 MA's), (187, 52272), (203, 52350), (224, 52458), (240, 52560),

Gene: LolaVince_102 Start: 52032, Stop: 52664, Start Num: 75

Candidate Starts for LolaVince_102:

(Start: 39 @51945 has 5 MA's), (Start: 75 @52032 has 190 MA's), (187, 52371), (203, 52449), (224, 52557), (240, 52659),

Gene: Lolalove_43 Start: 40432, Stop: 39704, Start Num: 33

Candidate Starts for Lolalove_43:

(Start: 33 @40432 has 26 MA's), (90, 40264), (100, 40234), (101, 40231), (117, 40186), (123, 40174), (176, 40030), (178, 40024), (201, 39922), (212, 39877), (220, 39838), (235, 39730),

Gene: Longacauda_46 Start: 39979, Stop: 39425, Start Num: 92

Candidate Starts for Longacauda_46:

(Start: 54 @40063 has 62 MA's), (Start: 58 @40057 has 3 MA's), (Start: 59 @40054 has 1 MA's),
(Start: 92 @39979 has 220 MA's), (115, 39916), (117, 39913), (119, 39910), (135, 39856), (201,
39643), (217, 39577), (238, 39436),

Gene: LookingGlass_102 Start: 51850, Stop: 52488, Start Num: 75

Candidate Starts for LookingGlass_102:

(Start: 75 @51850 has 190 MA's), (187, 52195), (203, 52273), (224, 52381), (240, 52483),

Gene: Lopsy_46 Start: 39916, Stop: 39278, Start Num: 54

Candidate Starts for Lopsy_46:

(Start: 54 @39916 has 62 MA's), (Start: 58 @39910 has 3 MA's), (Start: 59 @39907 has 1 MA's),
(Start: 92 @39832 has 220 MA's), (115, 39769), (117, 39766), (119, 39763), (178, 39598), (201,
39496), (238, 39289),

Gene: LordLeafolot_106 Start: 52996, Stop: 53628, Start Num: 75

Candidate Starts for LordLeafolot_106:

(Start: 39 @52909 has 5 MA's), (Start: 75 @52996 has 190 MA's), (187, 53335), (203, 53413), (224,
53521), (240, 53623),

Gene: LostAndPhound_46 Start: 39986, Stop: 39426, Start Num: 92

Candidate Starts for LostAndPhound_46:

(Start: 54 @40070 has 62 MA's), (Start: 58 @40064 has 3 MA's), (Start: 59 @40061 has 1 MA's),
(Start: 92 @39986 has 220 MA's), (115, 39917), (117, 39914), (119, 39911), (201, 39644), (217,
39578), (238, 39437),

Gene: LuckyMarjie_46 Start: 39986, Stop: 39432, Start Num: 92

Candidate Starts for LuckyMarjie_46:

(Start: 54 @40070 has 62 MA's), (Start: 58 @40064 has 3 MA's), (Start: 59 @40061 has 1 MA's),
(Start: 92 @39986 has 220 MA's), (115, 39923), (117, 39920), (119, 39917), (135, 39863), (201,
39650), (217, 39584), (238, 39443),

Gene: Lukilu_92 Start: 51439, Stop: 52071, Start Num: 75

Candidate Starts for Lukilu_92:

(Start: 75 @51439 has 190 MA's), (187, 51778), (203, 51856), (224, 51964), (240, 52066),

Gene: Lulumae_46 Start: 40055, Stop: 39417, Start Num: 54

Candidate Starts for Lulumae_46:

(Start: 54 @40055 has 62 MA's), (Start: 58 @40049 has 3 MA's), (Start: 59 @40046 has 1 MA's),
(Start: 92 @39971 has 220 MA's), (115, 39908), (117, 39905), (119, 39902), (135, 39848), (201,
39635), (217, 39569), (238, 39428),

Gene: Lulwa_47 Start: 40264, Stop: 39704, Start Num: 92

Candidate Starts for Lulwa_47:

(Start: 54 @40348 has 62 MA's), (Start: 58 @40342 has 3 MA's), (Start: 59 @40339 has 1 MA's),
(Start: 92 @40264 has 220 MA's), (115, 40195), (117, 40192), (119, 40189), (135, 40135), (178,
40024), (201, 39922), (238, 39715),

Gene: Lumine_46 Start: 39967, Stop: 39413, Start Num: 92

Candidate Starts for Lumine_46:

(Start: 54 @40051 has 62 MA's), (Start: 58 @40045 has 3 MA's), (Start: 59 @40042 has 1 MA's),
(Start: 92 @39967 has 220 MA's), (115, 39904), (117, 39901), (119, 39898), (135, 39844), (201,

39631), (217, 39565), (238, 39424),

Gene: Lunareta_100 Start: 52949, Stop: 53581, Start Num: 75

Candidate Starts for Lunareta_100:

(Start: 75 @52949 has 190 MA's), (187, 53288), (203, 53366), (224, 53474), (240, 53576),

Gene: MRabcd_46 Start: 39977, Stop: 39417, Start Num: 92

Candidate Starts for MRabcd_46:

(Start: 54 @40061 has 62 MA's), (Start: 58 @40055 has 3 MA's), (Start: 59 @40052 has 1 MA's),
(Start: 92 @39977 has 220 MA's), (115, 39908), (117, 39905), (119, 39902), (135, 39848), (201,
39635), (238, 39428),

Gene: Maby2021_101 Start: 51803, Stop: 52435, Start Num: 75

Candidate Starts for Maby2021_101:

(Start: 75 @51803 has 190 MA's), (187, 52142), (203, 52220), (224, 52328), (240, 52430),

Gene: Madi_37 Start: 31498, Stop: 32277, Start Num: 83

Candidate Starts for Madi_37:

(Start: 83 @31498 has 8 MA's), (98, 31537), (161, 31756), (182, 31819), (199, 31885), (204, 31912),
(226, 32029), (241, 32134), (244, 32176),

Gene: Mag7_46 Start: 39886, Stop: 39326, Start Num: 92

Candidate Starts for Mag7_46:

(Start: 54 @39970 has 62 MA's), (Start: 58 @39964 has 3 MA's), (Start: 59 @39961 has 1 MA's),
(Start: 92 @39886 has 220 MA's), (117, 39814), (119, 39811), (135, 39757), (178, 39646), (201,
39544), (238, 39337),

Gene: Magic8_47 Start: 40321, Stop: 39761, Start Num: 92

Candidate Starts for Magic8_47:

(Start: 54 @40405 has 62 MA's), (Start: 58 @40399 has 3 MA's), (Start: 59 @40396 has 1 MA's),
(Start: 92 @40321 has 220 MA's), (117, 40249), (119, 40246), (135, 40192), (178, 40081), (201,
39979), (238, 39772),

Gene: Magpie_41 Start: 40274, Stop: 39540, Start Num: 33

Candidate Starts for Magpie_41:

(Start: 33 @40274 has 26 MA's), (90, 40100), (100, 40070), (117, 40022), (123, 40010), (176, 39866),
(178, 39860), (201, 39758), (212, 39713), (220, 39674),

Gene: Mahdia_50 Start: 37783, Stop: 37172, Start Num: 60

Candidate Starts for Mahdia_50:

(Start: 60 @37783 has 1 MA's), (139, 37585), (190, 37432), (192, 37426), (197, 37408), (223, 37285),
(227, 37255),

Gene: MakoManhole_42 Start: 35872, Stop: 35297, Start Num: 75

Candidate Starts for MakoManhole_42:

(Start: 75 @35872 has 190 MA's), (98, 35833), (137, 35722), (149, 35683), (191, 35560), (195, 35548),
(197, 35539), (204, 35497), (205, 35494), (206, 35491), (207, 35482),

Gene: Mana_46 Start: 39986, Stop: 39432, Start Num: 92

Candidate Starts for Mana_46:

(Start: 54 @40070 has 62 MA's), (Start: 59 @40061 has 1 MA's), (Start: 92 @39986 has 220 MA's),
(115, 39923), (117, 39920), (119, 39917), (135, 39863), (201, 39650), (217, 39584), (238, 39443),

Gene: Manad_46 Start: 39912, Stop: 39277, Start Num: 59

Candidate Starts for Manad_46:

(31, 40035), (52, 39930), (Start: 58 @39915 has 3 MA's), (Start: 59 @39912 has 1 MA's), (Start: 92 @39837 has 220 MA's), (115, 39768), (117, 39765), (119, 39762), (178, 39597), (201, 39495), (238, 39288),

Gene: Mangeria_101 Start: 51872, Stop: 52504, Start Num: 75

Candidate Starts for Mangeria_101:

(Start: 75 @51872 has 190 MA's), (187, 52211), (203, 52289), (224, 52397), (240, 52499),

Gene: Mariokart_40 Start: 33941, Stop: 33252, Start Num: 36

Candidate Starts for Mariokart_40:

(Start: 36 @33941 has 13 MA's), (95, 33797), (103, 33770), (129, 33692), (178, 33566), (201, 33464), (205, 33449), (215, 33401), (233, 33287),

Gene: Maru_46 Start: 39929, Stop: 39375, Start Num: 92

Candidate Starts for Maru_46:

(Start: 54 @40013 has 62 MA's), (Start: 58 @40007 has 3 MA's), (Start: 59 @40004 has 1 MA's), (Start: 92 @39929 has 220 MA's), (115, 39866), (117, 39863), (119, 39860), (135, 39806), (201, 39593), (217, 39527), (238, 39386),

Gene: Maskar_47 Start: 40051, Stop: 39407, Start Num: 54

Candidate Starts for Maskar_47:

(Start: 54 @40051 has 62 MA's), (Start: 58 @40045 has 3 MA's), (Start: 59 @40042 has 1 MA's), (Start: 92 @39967 has 220 MA's), (115, 39898), (117, 39895), (119, 39892), (135, 39838), (201, 39625),

Gene: MasterPo_46 Start: 40702, Stop: 39938, Start Num: 25

Candidate Starts for MasterPo_46:

(Start: 25 @40702 has 37 MA's), (34, 40660), (46, 40615), (69, 40558), (Start: 73 @40549 has 10 MA's), (74, 40546), (77, 40537), (110, 40450), (119, 40435), (141, 40351), (178, 40258), (193, 40207), (201, 40156), (210, 40117),

Gene: Matalotodo_47 Start: 40281, Stop: 39721, Start Num: 92

Candidate Starts for Matalotodo_47:

(Start: 54 @40365 has 62 MA's), (Start: 58 @40359 has 3 MA's), (Start: 59 @40356 has 1 MA's), (Start: 92 @40281 has 220 MA's), (115, 40212), (117, 40209), (119, 40206), (178, 40041), (201, 39939), (238, 39732),

Gene: Matsumoto_99 Start: 50654, Stop: 51286, Start Num: 75

Candidate Starts for Matsumoto_99:

(Start: 39 @50567 has 5 MA's), (Start: 75 @50654 has 190 MA's), (187, 50993), (203, 51071), (224, 51179), (240, 51281),

Gene: Maturis_99 Start: 51445, Stop: 52077, Start Num: 75

Candidate Starts for Maturis_99:

(Start: 75 @51445 has 190 MA's), (187, 51784), (203, 51862), (224, 51970), (240, 52072),

Gene: McGee_103 Start: 50410, Stop: 51042, Start Num: 75

Candidate Starts for McGee_103:

(Start: 75 @50410 has 190 MA's), (187, 50749), (203, 50827), (224, 50935), (240, 51037),

Gene: McWolfish_99 Start: 51587, Stop: 52225, Start Num: 75

Candidate Starts for McWolfish_99:

(Start: 75 @51587 has 190 MA's), (187, 51932), (203, 52010), (224, 52118), (240, 52220),

Gene: Mcshane_46 Start: 40062, Stop: 39418, Start Num: 54

Candidate Starts for Mcshane_46:

(Start: 54 @40062 has 62 MA's), (Start: 58 @40056 has 3 MA's), (Start: 59 @40053 has 1 MA's),
(Start: 92 @39978 has 220 MA's), (115, 39909), (117, 39906), (119, 39903), (135, 39849), (201,
39636), (238, 39429),

Gene: Mecca_46 Start: 39984, Stop: 39424, Start Num: 92

Candidate Starts for Mecca_46:

(Start: 54 @40068 has 62 MA's), (Start: 58 @40062 has 3 MA's), (Start: 59 @40059 has 1 MA's),
(Start: 92 @39984 has 220 MA's), (115, 39915), (117, 39912), (119, 39909), (135, 39855), (201,
39642), (238, 39435),

Gene: Megamind_100 Start: 51470, Stop: 52108, Start Num: 75

Candidate Starts for Megamind_100:

(Start: 75 @51470 has 190 MA's), (187, 51815), (203, 51893), (224, 52001), (240, 52103),

Gene: Megamind20_47 Start: 40006, Stop: 39446, Start Num: 92

Candidate Starts for Megamind20_47:

(Start: 54 @40090 has 62 MA's), (Start: 58 @40084 has 3 MA's), (Start: 59 @40081 has 1 MA's),
(Start: 92 @40006 has 220 MA's), (115, 39937), (117, 39934), (119, 39931), (135, 39877), (201,
39664), (238, 39457),

Gene: Megatron_48 Start: 40498, Stop: 39854, Start Num: 54

Candidate Starts for Megatron_48:

(Start: 54 @40498 has 62 MA's), (Start: 58 @40492 has 3 MA's), (Start: 59 @40489 has 1 MA's),
(Start: 92 @40414 has 220 MA's), (115, 40345), (117, 40342), (119, 40339), (135, 40285), (201,
40072),

Gene: Megatron06_42 Start: 37540, Stop: 38172, Start Num: 73

Candidate Starts for Megatron06_42:

(Start: 73 @37540 has 10 MA's), (104, 37627), (106, 37636), (Start: 120 @37669 has 6 MA's), (134,
37714), (197, 37906), (198, 37915), (207, 37969), (215, 38008), (222, 38038), (234, 38134), (238,
38158),

Gene: Melc17_47 Start: 40360, Stop: 39716, Start Num: 54

Candidate Starts for Melc17_47:

(Start: 54 @40360 has 62 MA's), (Start: 58 @40354 has 3 MA's), (Start: 59 @40351 has 1 MA's),
(Start: 92 @40276 has 220 MA's), (115, 40207), (117, 40204), (119, 40201), (135, 40147), (178,
40036), (201, 39934), (238, 39727),

Gene: Melpomini_95 Start: 48945, Stop: 49577, Start Num: 75

Candidate Starts for Melpomini_95:

(Start: 75 @48945 has 190 MA's), (187, 49284), (203, 49362), (224, 49470), (240, 49572),

Gene: MelsMeow_47 Start: 40017, Stop: 39457, Start Num: 92

Candidate Starts for MelsMeow_47:

(Start: 54 @40101 has 62 MA's), (Start: 58 @40095 has 3 MA's), (Start: 59 @40092 has 1 MA's),
(Start: 92 @40017 has 220 MA's), (115, 39948), (117, 39945), (119, 39942), (135, 39888), (201,
39675),

Gene: Merry_ Start: 11517, Stop: 12002, Start Num: 109

Candidate Starts for Merry_:

(Start: 109 @11517 has 2 MA's), (152, 11652), (172, 11685), (188, 11730), (198, 11772), (204, 11811), (216, 11850), (225, 11907), (229, 11925), (235, 11982),

Gene: Mesh1_47 Start: 40293, Stop: 39733, Start Num: 92

Candidate Starts for Mesh1_47:

(Start: 54 @40377 has 62 MA's), (Start: 58 @40371 has 3 MA's), (Start: 59 @40368 has 1 MA's), (Start: 92 @40293 has 220 MA's), (115, 40224), (117, 40221), (119, 40218), (178, 40053), (201, 39951), (238, 39744),

Gene: Mesmerelda_46 Start: 39988, Stop: 39434, Start Num: 92

Candidate Starts for Mesmerelda_46:

(Start: 54 @40072 has 62 MA's), (Start: 58 @40066 has 3 MA's), (Start: 59 @40063 has 1 MA's), (Start: 92 @39988 has 220 MA's), (115, 39925), (117, 39922), (119, 39919), (135, 39865), (201, 39652), (217, 39586), (238, 39445),

Gene: MichaelPhcott_46 Start: 39883, Stop: 39323, Start Num: 92

Candidate Starts for MichaelPhcott_46:

(Start: 54 @39967 has 62 MA's), (Start: 58 @39961 has 3 MA's), (Start: 59 @39958 has 1 MA's), (Start: 92 @39883 has 220 MA's), (117, 39811), (119, 39808), (135, 39754), (178, 39643), (201, 39541), (238, 39334),

Gene: MikeLiesIn_102 Start: 51817, Stop: 52455, Start Num: 75

Candidate Starts for MikeLiesIn_102:

(Start: 75 @51817 has 190 MA's), (187, 52162), (203, 52240), (224, 52348), (240, 52450),

Gene: Mikota_47 Start: 40263, Stop: 39703, Start Num: 92

Candidate Starts for Mikota_47:

(Start: 75 @40305 has 190 MA's), (Start: 92 @40263 has 220 MA's), (115, 40194), (117, 40191), (119, 40188), (135, 40134), (201, 39921), (238, 39714),

Gene: Mikro_99 Start: 53045, Stop: 53677, Start Num: 75

Candidate Starts for Mikro_99:

(Start: 75 @53045 has 190 MA's), (187, 53384), (203, 53462), (224, 53570), (240, 53672),

Gene: MiniBoss_47 Start: 40269, Stop: 39709, Start Num: 92

Candidate Starts for MiniBoss_47:

(Start: 75 @40311 has 190 MA's), (Start: 92 @40269 has 220 MA's), (115, 40200), (117, 40197), (119, 40194), (201, 39927), (217, 39861), (238, 39720),

Gene: MitKao_47 Start: 39984, Stop: 39424, Start Num: 92

Candidate Starts for MitKao_47:

(Start: 54 @40068 has 62 MA's), (Start: 58 @40062 has 3 MA's), (Start: 59 @40059 has 1 MA's), (Start: 92 @39984 has 220 MA's), (115, 39915), (117, 39912), (119, 39909), (178, 39744), (201, 39642), (238, 39435),

Gene: Mithril_42 Start: 40442, Stop: 39708, Start Num: 33

Candidate Starts for Mithril_42:

(Start: 33 @40442 has 26 MA's), (90, 40268), (100, 40238), (117, 40190), (123, 40178), (176, 40034), (178, 40028), (201, 39926), (212, 39881), (220, 39842), (235, 39734),

Gene: MoMoMixon_102 Start: 51293, Stop: 51931, Start Num: 75

Candidate Starts for MoMoMixon_102:

(Start: 75 @51293 has 190 MA's), (187, 51638), (203, 51716), (224, 51824), (240, 51926),

Gene: Moby_92 Start: 47832, Stop: 48464, Start Num: 75

Candidate Starts for Moby_92:

(Start: 75 @47832 has 190 MA's), (187, 48171), (203, 48249), (224, 48357), (240, 48459),

Gene: ModicumRichard_152 Start: 79699, Stop: 79190, Start Num: 108

Candidate Starts for ModicumRichard_152:

(81, 79780), (96, 79741), (Start: 108 @79699 has 5 MA's), (125, 79657), (151, 79552), (175, 79507), (197, 79435), (222, 79318), (232, 79234),

Gene: Moiqah_92 Start: 47832, Stop: 48464, Start Num: 75

Candidate Starts for Moiqah_92:

(Start: 75 @47832 has 190 MA's), (187, 48171), (203, 48249), (224, 48357), (240, 48459),

Gene: Momo_100 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for Momo_100:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (203, 50755), (224, 50863), (240, 50965),

Gene: Montpel_100 Start: 52947, Stop: 53579, Start Num: 75

Candidate Starts for Montpel_100:

(Start: 75 @52947 has 190 MA's), (187, 53286), (203, 53364), (224, 53472), (240, 53574),

Gene: Morgana_159 Start: 80415, Stop: 79906, Start Num: 108

Candidate Starts for Morgana_159:

(81, 80496), (85, 80487), (96, 80457), (Start: 108 @80415 has 5 MA's), (125, 80373), (151, 80268), (175, 80223), (222, 80034), (232, 79950),

Gene: Morgushi_47 Start: 39985, Stop: 39425, Start Num: 92

Candidate Starts for Morgushi_47:

(Start: 54 @40069 has 62 MA's), (Start: 58 @40063 has 3 MA's), (Start: 59 @40060 has 1 MA's), (Start: 92 @39985 has 220 MA's), (115, 39916), (117, 39913), (119, 39910), (135, 39856), (201, 39643), (217, 39577), (238, 39436),

Gene: Morizzled23_101 Start: 50697, Stop: 51335, Start Num: 75

Candidate Starts for Morizzled23_101:

(Start: 75 @50697 has 190 MA's), (187, 51042), (203, 51120), (224, 51228), (240, 51330),

Gene: Morty_48 Start: 40423, Stop: 39863, Start Num: 92

Candidate Starts for Morty_48:

(Start: 54 @40507 has 62 MA's), (Start: 58 @40501 has 3 MA's), (Start: 59 @40498 has 1 MA's), (Start: 92 @40423 has 220 MA's), (115, 40354), (117, 40351), (119, 40348), (135, 40294), (201, 40081),

Gene: Mosaic_46 Start: 40062, Stop: 39418, Start Num: 54

Candidate Starts for Mosaic_46:

(Start: 54 @40062 has 62 MA's), (Start: 58 @40056 has 3 MA's), (Start: 59 @40053 has 1 MA's), (Start: 92 @39978 has 220 MA's), (115, 39909), (117, 39906), (119, 39903), (178, 39738), (201, 39636), (238, 39429),

Gene: MossRose_42 Start: 35851, Stop: 35276, Start Num: 75

Candidate Starts for MossRose_42:

(Start: 75 @35851 has 190 MA's), (98, 35812), (137, 35701), (149, 35662), (191, 35539), (195, 35527), (197, 35518), (204, 35476), (205, 35473), (206, 35470), (207, 35461),

Gene: MrPhizzler_47 Start: 39987, Stop: 39433, Start Num: 92

Candidate Starts for MrPhizzler_47:

(Start: 54 @40071 has 62 MA's), (Start: 58 @40065 has 3 MA's), (Start: 59 @40062 has 1 MA's), (Start: 92 @39987 has 220 MA's), (115, 39924), (117, 39921), (119, 39918), (135, 39864), (201, 39651), (217, 39585), (238, 39444),

Gene: Mudslide_42 Start: 40698, Stop: 39940, Start Num: 33

Candidate Starts for Mudslide_42:

(Start: 33 @40698 has 26 MA's), (48, 40629), (90, 40521), (100, 40491), (117, 40443), (123, 40431), (136, 40386), (171, 40275), (178, 40260), (201, 40158), (212, 40113), (220, 40074), (235, 39966),

Gene: Mulan_47 Start: 40140, Stop: 39580, Start Num: 92

Candidate Starts for Mulan_47:

(Start: 54 @40224 has 62 MA's), (Start: 58 @40218 has 3 MA's), (Start: 59 @40215 has 1 MA's), (Start: 92 @40140 has 220 MA's), (115, 40071), (117, 40068), (119, 40065), (135, 40011), (201, 39798),

Gene: Murdoc_47 Start: 40355, Stop: 39717, Start Num: 54

Candidate Starts for Murdoc_47:

(Start: 54 @40355 has 62 MA's), (Start: 58 @40349 has 3 MA's), (Start: 59 @40346 has 1 MA's), (Start: 92 @40271 has 220 MA's), (115, 40208), (117, 40205), (119, 40202), (135, 40148), (201, 39935), (217, 39869), (238, 39728),

Gene: Mutante_46 Start: 39990, Stop: 39430, Start Num: 92

Candidate Starts for Mutante_46:

(Start: 54 @40074 has 62 MA's), (Start: 58 @40068 has 3 MA's), (Start: 59 @40065 has 1 MA's), (Start: 92 @39990 has 220 MA's), (115, 39921), (117, 39918), (119, 39915), (135, 39861), (201, 39648), (238, 39441),

Gene: Myrna_229 Start: 133429, Stop: 134043, Start Num: 79

Candidate Starts for Myrna_229:

(Start: 79 @133429 has 2 MA's), (98, 133477), (101, 133492), (Start: 124 @133555 has 1 MA's), (165, 133681), (187, 133750), (203, 133828), (224, 133936),

Gene: NHagos_40 Start: 34451, Stop: 33894, Start Num: 75

Candidate Starts for NHagos_40:

(1, 34970), (7, 34805), (47, 34526), (Start: 59 @34490 has 1 MA's), (62, 34481), (Start: 75 @34451 has 190 MA's), (105, 34388), (121, 34352), (138, 34301), (162, 34226), (197, 34136), (214, 34049), (235, 33914),

Gene: Nacho_0048 Start: 40501, Stop: 39857, Start Num: 54

Candidate Starts for Nacho_0048:

(Start: 54 @40501 has 62 MA's), (Start: 58 @40495 has 3 MA's), (Start: 59 @40492 has 1 MA's), (Start: 92 @40417 has 220 MA's), (115, 40348), (117, 40345), (119, 40342), (135, 40288), (201, 40075),

Gene: Naija_100 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for Naija_100:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224, 50863), (240, 50965),

Gene: Nanao_41 Start: 39394, Stop: 38666, Start Num: 33

Candidate Starts for Nanao_41:

(Start: 33 @39394 has 26 MA's), (Start: 79 @39253 has 2 MA's), (88, 39232), (94, 39217), (128, 39112), (176, 38992), (178, 38986), (201, 38884), (212, 38839),

Gene: Nangang_45 Start: 40967, Stop: 40182, Start Num: 27

Candidate Starts for Nangang_45:

(4, 41147), (5, 41135), (6, 41129), (11, 41078), (Start: 27 @40967 has 12 MA's), (Start: 73 @40805 has 10 MA's), (84, 40778), (121, 40679), (141, 40604), (178, 40502), (201, 40400), (202, 40394), (205, 40385), (215, 40337),

Gene: Napoleon13_97 Start: 49383, Stop: 50015, Start Num: 75

Candidate Starts for Napoleon13_97:

(Start: 75 @49383 has 190 MA's), (187, 49722), (203, 49800), (224, 49908), (240, 50010),

Gene: Nappy_104 Start: 52733, Stop: 53365, Start Num: 75

Candidate Starts for Nappy_104:

(49, 52670), (Start: 75 @52733 has 190 MA's), (187, 53072), (203, 53150), (224, 53258), (240, 53360),

Gene: Nathan_47 Start: 40315, Stop: 39755, Start Num: 92

Candidate Starts for Nathan_47:

(Start: 54 @40399 has 62 MA's), (Start: 58 @40393 has 3 MA's), (Start: 59 @40390 has 1 MA's), (Start: 92 @40315 has 220 MA's), (115, 40246), (117, 40243), (119, 40240), (135, 40186), (201, 39973), (217, 39907), (238, 39766),

Gene: Naval22_109 Start: 53313, Stop: 53945, Start Num: 75

Candidate Starts for Naval22_109:

(Start: 75 @53313 has 190 MA's), (187, 53652), (203, 53730), (224, 53838), (240, 53940),

Gene: NedWong_102 Start: 51804, Stop: 52442, Start Num: 75

Candidate Starts for NedWong_102:

(Start: 75 @51804 has 190 MA's), (187, 52149), (203, 52227), (224, 52335), (240, 52437),

Gene: Newman_47 Start: 40360, Stop: 39716, Start Num: 54

Candidate Starts for Newman_47:

(Start: 54 @40360 has 62 MA's), (Start: 58 @40354 has 3 MA's), (Start: 59 @40351 has 1 MA's), (Start: 92 @40276 has 220 MA's), (115, 40207), (117, 40204), (119, 40201), (135, 40147), (178, 40036), (201, 39934), (238, 39727),

Gene: Ngannou_97 Start: 49320, Stop: 49952, Start Num: 75

Candidate Starts for Ngannou_97:

(Start: 39 @49233 has 5 MA's), (Start: 75 @49320 has 190 MA's), (187, 49659), (203, 49737), (224, 49845), (240, 49947),

Gene: NiaNia_49 Start: 40007, Stop: 39453, Start Num: 92

Candidate Starts for NiaNia_49:

(Start: 54 @40091 has 62 MA's), (Start: 58 @40085 has 3 MA's), (Start: 59 @40082 has 1 MA's), (Start: 92 @40007 has 220 MA's), (115, 39944), (117, 39941), (119, 39938), (135, 39884), (201, 39671), (217, 39605), (238, 39464),

Gene: Nicole21_47 Start: 40277, Stop: 39717, Start Num: 92

Candidate Starts for Nicole21_47:

(Start: 54 @40361 has 62 MA's), (Start: 58 @40355 has 3 MA's), (Start: 59 @40352 has 1 MA's),
(Start: 92 @40277 has 220 MA's), (117, 40205), (119, 40202), (135, 40148), (178, 40037), (201,
39935), (238, 39728),

Gene: Nidhogg_102 Start: 51544, Stop: 52176, Start Num: 75

Candidate Starts for Nidhogg_102:

(Start: 75 @51544 has 190 MA's), (187, 51883), (203, 51961), (224, 52069), (240, 52171),

Gene: Nigel_41 Start: 39313, Stop: 38579, Start Num: 33

Candidate Starts for Nigel_41:

(Start: 33 @39313 has 26 MA's), (68, 39193), (Start: 79 @39166 has 2 MA's), (88, 39145), (89, 39142),
(94, 39130), (101, 39106), (128, 39025), (176, 38905), (186, 38866), (201, 38797), (212, 38752),

Gene: Nish23_43 Start: 37008, Stop: 37640, Start Num: 73

Candidate Starts for Nish23_43:

(Start: 73 @37008 has 10 MA's), (104, 37095), (106, 37104), (111, 37116), (Start: 120 @37137 has 6
MA's), (134, 37182), (173, 37296), (197, 37374), (198, 37383), (207, 37437), (215, 37476), (222,
37506), (229, 37554), (234, 37602), (238, 37626),

Gene: NoodleTree_108 Start: 52136, Stop: 52768, Start Num: 75

Candidate Starts for NoodleTree_108:

(Start: 39 @52049 has 5 MA's), (Start: 75 @52136 has 190 MA's), (187, 52475), (203, 52553), (224,
52661), (240, 52763),

Gene: Norm_102 Start: 52733, Stop: 53371, Start Num: 75

Candidate Starts for Norm_102:

(Start: 75 @52733 has 190 MA's), (187, 53078), (203, 53156), (224, 53264), (240, 53366),

Gene: Nova1_47 Start: 40014, Stop: 39370, Start Num: 54

Candidate Starts for Nova1_47:

(Start: 54 @40014 has 62 MA's), (Start: 58 @40008 has 3 MA's), (Start: 59 @40005 has 1 MA's),
(Start: 92 @39930 has 220 MA's), (115, 39861), (117, 39858), (119, 39855), (135, 39801), (201,
39588), (238, 39381),

Gene: NuevoMundo_107 Start: 54087, Stop: 54719, Start Num: 75

Candidate Starts for NuevoMundo_107:

(Start: 75 @54087 has 190 MA's), (187, 54426), (203, 54504), (224, 54612), (240, 54714),

Gene: Numberten_47 Start: 40283, Stop: 39723, Start Num: 92

Candidate Starts for Numberten_47:

(Start: 54 @40367 has 62 MA's), (Start: 58 @40361 has 3 MA's), (Start: 59 @40358 has 1 MA's),
(Start: 92 @40283 has 220 MA's), (115, 40214), (117, 40211), (119, 40208), (135, 40154), (178,
40043), (201, 39941), (238, 39734),

Gene: Nyala_46 Start: 40066, Stop: 39422, Start Num: 54

Candidate Starts for Nyala_46:

(Start: 54 @40066 has 62 MA's), (Start: 58 @40060 has 3 MA's), (Start: 59 @40057 has 1 MA's),
(Start: 92 @39982 has 220 MA's), (115, 39913), (117, 39910), (119, 39907), (178, 39742), (201,
39640), (238, 39433),

Gene: OSmaximus_48 Start: 40540, Stop: 39896, Start Num: 54

Candidate Starts for OSmaximus_48:

(Start: 54 @40540 has 62 MA's), (Start: 58 @40534 has 3 MA's), (Start: 59 @40531 has 1 MA's),
(Start: 92 @40456 has 220 MA's), (115, 40387), (117, 40384), (119, 40381), (135, 40327), (201,
40114),

Gene: Oaker_40 Start: 37263, Stop: 37895, Start Num: 73

Candidate Starts for Oaker_40:

(Start: 73 @37263 has 10 MA's), (104, 37350), (106, 37359), (111, 37371), (Start: 120 @37392 has 6
MA's), (134, 37437), (173, 37551), (197, 37629), (198, 37638), (207, 37692), (215, 37731), (222,
37761), (229, 37809), (234, 37857), (238, 37881),

Gene: ObLaDi_152 Start: 79698, Stop: 79189, Start Num: 108

Candidate Starts for ObLaDi_152:

(41, 79890), (81, 79779), (96, 79740), (Start: 108 @79698 has 5 MA's), (125, 79656), (130, 79635),
(151, 79551), (175, 79506), (197, 79434), (222, 79317), (232, 79233),

Gene: Olak_46 Start: 39985, Stop: 39425, Start Num: 92

Candidate Starts for Olak_46:

(Start: 54 @40069 has 62 MA's), (Start: 58 @40063 has 3 MA's), (Start: 59 @40060 has 1 MA's),
(Start: 92 @39985 has 220 MA's), (115, 39916), (117, 39913), (119, 39910), (201, 39643), (238,
39436),

Gene: Oline_46 Start: 39845, Stop: 39285, Start Num: 92

Candidate Starts for Oline_46:

(Start: 54 @39929 has 62 MA's), (Start: 58 @39923 has 3 MA's), (Start: 59 @39920 has 1 MA's),
(Start: 92 @39845 has 220 MA's), (115, 39776), (117, 39773), (119, 39770), (135, 39716), (178,
39605), (201, 39503), (238, 39296),

Gene: Olive_47 Start: 40356, Stop: 39712, Start Num: 54

Candidate Starts for Olive_47:

(Start: 54 @40356 has 62 MA's), (Start: 58 @40350 has 3 MA's), (Start: 59 @40347 has 1 MA's),
(Start: 92 @40272 has 220 MA's), (115, 40203), (117, 40200), (119, 40197), (135, 40143), (201,
39930), (238, 39723),

Gene: OliverWalter_47 Start: 40378, Stop: 39734, Start Num: 54

Candidate Starts for OliverWalter_47:

(Start: 54 @40378 has 62 MA's), (Start: 58 @40372 has 3 MA's), (Start: 59 @40369 has 1 MA's),
(Start: 92 @40294 has 220 MA's), (115, 40225), (117, 40222), (119, 40219), (135, 40165), (201,
39952), (238, 39745),

Gene: Omniscient_47 Start: 40291, Stop: 39731, Start Num: 92

Candidate Starts for Omniscient_47:

(Start: 54 @40375 has 62 MA's), (Start: 58 @40369 has 3 MA's), (Start: 59 @40366 has 1 MA's),
(Start: 92 @40291 has 220 MA's), (115, 40222), (117, 40219), (119, 40216), (135, 40162), (201,
39949), (238, 39742),

Gene: OneBrain_48 Start: 39984, Stop: 39424, Start Num: 92

Candidate Starts for OneBrain_48:

(Start: 54 @40068 has 62 MA's), (Start: 58 @40062 has 3 MA's), (Start: 59 @40059 has 1 MA's),
(Start: 92 @39984 has 220 MA's), (115, 39915), (117, 39912), (119, 39909), (135, 39855), (201,
39642), (238, 39435),

Gene: Oosterbaan_47 Start: 40363, Stop: 39719, Start Num: 54

Candidate Starts for Oosterbaan_47:

(Start: 54 @40363 has 62 MA's), (Start: 58 @40357 has 3 MA's), (Start: 59 @40354 has 1 MA's),
(Start: 92 @40279 has 220 MA's), (115, 40210), (117, 40207), (119, 40204), (178, 40039), (201,
39937), (238, 39730),

Gene: Opia_46 Start: 40688, Stop: 39924, Start Num: 25

Candidate Starts for Opia_46:

(Start: 25 @40688 has 37 MA's), (46, 40601), (69, 40544), (Start: 73 @40535 has 10 MA's), (74,
40532), (77, 40523), (110, 40436), (119, 40421), (141, 40337), (178, 40244), (193, 40193), (201,
40142), (210, 40103),

Gene: OrediggerDelux_99 Start: 52340, Stop: 52972, Start Num: 75

Candidate Starts for OrediggerDelux_99:

(Start: 75 @52340 has 190 MA's), (187, 52679), (203, 52757), (224, 52865), (240, 52967),

Gene: Orfeu_46 Start: 39978, Stop: 39424, Start Num: 92

Candidate Starts for Orfeu_46:

(Start: 54 @40062 has 62 MA's), (Start: 58 @40056 has 3 MA's), (Start: 59 @40053 has 1 MA's),
(Start: 92 @39978 has 220 MA's), (115, 39915), (117, 39912), (119, 39909), (135, 39855), (201,
39642), (217, 39576), (238, 39435),

Gene: Orion_48 Start: 40412, Stop: 39852, Start Num: 92

Candidate Starts for Orion_48:

(Start: 54 @40496 has 62 MA's), (Start: 58 @40490 has 3 MA's), (Start: 59 @40487 has 1 MA's),
(Start: 92 @40412 has 220 MA's), (115, 40343), (117, 40340), (119, 40337), (135, 40283), (201,
40070),

Gene: Orwigg_46 Start: 39978, Stop: 39418, Start Num: 92

Candidate Starts for Orwigg_46:

(Start: 54 @40062 has 62 MA's), (Start: 58 @40056 has 3 MA's), (Start: 59 @40053 has 1 MA's),
(Start: 92 @39978 has 220 MA's), (115, 39909), (117, 39906), (119, 39903), (135, 39849), (178,
39738), (201, 39636), (238, 39429),

Gene: PG1_48 Start: 40425, Stop: 39865, Start Num: 92

Candidate Starts for PG1_48:

(Start: 54 @40509 has 62 MA's), (Start: 58 @40503 has 3 MA's), (Start: 59 @40500 has 1 MA's),
(Start: 92 @40425 has 220 MA's), (115, 40356), (117, 40353), (119, 40350), (135, 40296), (201,
40083),

Gene: Pacifista_46 Start: 39981, Stop: 39421, Start Num: 92

Candidate Starts for Pacifista_46:

(Start: 54 @40065 has 62 MA's), (Start: 58 @40059 has 3 MA's), (Start: 59 @40056 has 1 MA's),
(Start: 92 @39981 has 220 MA's), (115, 39912), (117, 39909), (119, 39906), (178, 39741), (201,
39639), (238, 39432),

Gene: PallasAthena_47 Start: 39989, Stop: 39429, Start Num: 92

Candidate Starts for PallasAthena_47:

(Start: 54 @40073 has 62 MA's), (Start: 58 @40067 has 3 MA's), (Start: 59 @40064 has 1 MA's),
(Start: 92 @39989 has 220 MA's), (115, 39920), (117, 39917), (119, 39914), (135, 39860), (201,
39647), (238, 39440),

Gene: ParkTD_102 Start: 51800, Stop: 52438, Start Num: 75

Candidate Starts for ParkTD_102:

(Start: 75 @51800 has 190 MA's), (187, 52145), (203, 52223), (224, 52331), (240, 52433),

Gene: Patter_101 Start: 50355, Stop: 50987, Start Num: 75

Candidate Starts for Patter_101:

(Start: 39 @50268 has 5 MA's), (Start: 75 @50355 has 190 MA's), (187, 50694), (203, 50772), (224, 50880), (240, 50982),

Gene: PenguinLover67_48 Start: 42106, Stop: 41504, Start Num: 86

Candidate Starts for PenguinLover67_48:

(Start: 86 @42106 has 3 MA's), (117, 42019), (197, 41758), (201, 41722), (205, 41707), (210, 41683), (220, 41638), (230, 41584),

Gene: Phabba_239 Start: 133129, Stop: 133758, Start Num: 79

Candidate Starts for Phabba_239:

(Start: 79 @133129 has 2 MA's), (98, 133177), (157, 133381), (177, 133426), (183, 133447), (187, 133465), (193, 133486), (195, 133492), (200, 133522), (202, 133540), (236, 133735), (237, 133738), (239, 133750),

Gene: Phamished_48 Start: 40420, Stop: 39860, Start Num: 92

Candidate Starts for Phamished_48:

(Start: 54 @40504 has 62 MA's), (Start: 58 @40498 has 3 MA's), (Start: 59 @40495 has 1 MA's), (Start: 92 @40420 has 220 MA's), (115, 40351), (117, 40348), (119, 40345), (135, 40291), (201, 40078),

Gene: Phantasmagoria_46 Start: 40700, Stop: 39936, Start Num: 25

Candidate Starts for Phantasmagoria_46:

(Start: 25 @40700 has 37 MA's), (34, 40658), (46, 40613), (69, 40556), (Start: 73 @40547 has 10 MA's), (74, 40544), (77, 40535), (110, 40448), (119, 40433), (141, 40349), (178, 40256), (193, 40205), (201, 40154), (210, 40115),

Gene: Phareon_47 Start: 39980, Stop: 39426, Start Num: 92

Candidate Starts for Phareon_47:

(Start: 54 @40064 has 62 MA's), (Start: 58 @40058 has 3 MA's), (Start: 59 @40055 has 1 MA's), (Start: 92 @39980 has 220 MA's), (115, 39917), (117, 39914), (119, 39911), (135, 39857), (201, 39644), (217, 39578), (238, 39437),

Gene: PharkleMinkus_105 Start: 52378, Stop: 53010, Start Num: 75

Candidate Starts for PharkleMinkus_105:

(Start: 39 @52291 has 5 MA's), (Start: 75 @52378 has 190 MA's), (187, 52717), (203, 52795), (224, 52903), (240, 53005),

Gene: PhatCats2014_48 Start: 40429, Stop: 39869, Start Num: 92

Candidate Starts for PhatCats2014_48:

(Start: 54 @40513 has 62 MA's), (Start: 58 @40507 has 3 MA's), (Start: 59 @40504 has 1 MA's), (Start: 92 @40429 has 220 MA's), (115, 40360), (117, 40357), (119, 40354), (135, 40300), (201, 40087),

Gene: PhatLouie_47 Start: 40283, Stop: 39723, Start Num: 92

Candidate Starts for PhatLouie_47:

(Start: 54 @40367 has 62 MA's), (Start: 58 @40361 has 3 MA's), (Start: 59 @40358 has 1 MA's), (Start: 92 @40283 has 220 MA's), (115, 40214), (117, 40211), (119, 40208), (178, 40043), (201, 39941), (238, 39734),

Gene: PhenghisKhan_46 Start: 39973, Stop: 39329, Start Num: 54

Candidate Starts for PhenghisKhan_46:

(Start: 54 @39973 has 62 MA's), (Start: 58 @39967 has 3 MA's), (Start: 59 @39964 has 1 MA's), (Start: 92 @39889 has 220 MA's), (115, 39820), (117, 39817), (119, 39814), (135, 39760), (201, 39547), (238, 39340),

Gene: Pherdinand_48 Start: 40420, Stop: 39860, Start Num: 92

Candidate Starts for Pherdinand_48:

(Start: 54 @40504 has 62 MA's), (Start: 58 @40498 has 3 MA's), (Start: 59 @40495 has 1 MA's), (Start: 92 @40420 has 220 MA's), (115, 40351), (117, 40348), (119, 40345), (135, 40291), (201, 40078),

Gene: Phergie_46 Start: 39964, Stop: 39320, Start Num: 54

Candidate Starts for Phergie_46:

(Start: 54 @39964 has 62 MA's), (Start: 58 @39958 has 3 MA's), (Start: 59 @39955 has 1 MA's), (Start: 92 @39880 has 220 MA's), (115, 39811), (117, 39808), (119, 39805), (135, 39751), (201, 39538), (238, 39331),

Gene: Phlegm_103 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for Phlegm_103:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224, 50863), (240, 50965),

Gene: Phleuron_46 Start: 39970, Stop: 39326, Start Num: 54

Candidate Starts for Phleuron_46:

(Start: 54 @39970 has 62 MA's), (Start: 58 @39964 has 3 MA's), (Start: 59 @39961 has 1 MA's), (Start: 92 @39886 has 220 MA's), (117, 39814), (119, 39811), (135, 39757), (178, 39646), (201, 39544), (238, 39337),

Gene: Phox_98 Start: 52086, Stop: 52718, Start Num: 75

Candidate Starts for Phox_98:

(Start: 75 @52086 has 190 MA's), (187, 52425), (203, 52503), (224, 52611), (240, 52713),

Gene: PhrankReynolds_45 Start: 39970, Stop: 39326, Start Num: 54

Candidate Starts for PhrankReynolds_45:

(Start: 54 @39970 has 62 MA's), (Start: 58 @39964 has 3 MA's), (Start: 59 @39961 has 1 MA's), (Start: 92 @39886 has 220 MA's), (115, 39817), (117, 39814), (119, 39811), (135, 39757), (201, 39544), (238, 39337),

Gene: Phreeze_40 Start: 37066, Stop: 37698, Start Num: 73

Candidate Starts for Phreeze_40:

(Start: 73 @37066 has 10 MA's), (94, 37120), (104, 37153), (106, 37162), (111, 37174), (Start: 120 @37195 has 6 MA's), (134, 37240), (173, 37354), (197, 37432), (198, 37441), (207, 37495), (215, 37534), (222, 37564), (234, 37660), (238, 37684),

Gene: PhrodoBaggins_47 Start: 40408, Stop: 39848, Start Num: 92

Candidate Starts for PhrodoBaggins_47:

(Start: 54 @40492 has 62 MA's), (Start: 58 @40486 has 3 MA's), (Start: 59 @40483 has 1 MA's), (Start: 92 @40408 has 220 MA's), (115, 40339), (117, 40336), (119, 40333), (135, 40279), (201, 40066),

Gene: Phunky_47 Start: 40277, Stop: 39723, Start Num: 92

Candidate Starts for Phunky_47:

(Start: 54 @40361 has 62 MA's), (Start: 58 @40355 has 3 MA's), (Start: 59 @40352 has 1 MA's),
(Start: 92 @40277 has 220 MA's), (115, 40214), (117, 40211), (119, 40208), (135, 40154), (201,
39941), (238, 39734),

Gene: Phusco_101 Start: 51103, Stop: 51735, Start Num: 75

Candidate Starts for Phusco_101:

(Start: 39 @51016 has 5 MA's), (Start: 75 @51103 has 190 MA's), (187, 51442), (203, 51520), (224,
51628), (240, 51730),

Gene: Pier_105 Start: 52448, Stop: 53080, Start Num: 75

Candidate Starts for Pier_105:

(Start: 75 @52448 has 190 MA's), (187, 52787), (203, 52865), (224, 52973), (240, 53075),

Gene: Piglet_0046 Start: 40390, Stop: 39830, Start Num: 92

Candidate Starts for Piglet_0046:

(Start: 54 @40474 has 62 MA's), (Start: 58 @40468 has 3 MA's), (Start: 59 @40465 has 1 MA's),
(Start: 92 @40390 has 220 MA's), (115, 40321), (117, 40318), (119, 40315), (135, 40261), (178,
40150), (201, 40048), (238, 39841),

Gene: PinheadLarry_47 Start: 39990, Stop: 39436, Start Num: 92

Candidate Starts for PinheadLarry_47:

(Start: 54 @40074 has 62 MA's), (Start: 58 @40068 has 3 MA's), (Start: 59 @40065 has 1 MA's),
(Start: 92 @39990 has 220 MA's), (115, 39927), (117, 39924), (119, 39921), (135, 39867), (201,
39654), (217, 39588), (238, 39447),

Gene: Pinkcreek_92 Start: 48897, Stop: 49529, Start Num: 75

Candidate Starts for Pinkcreek_92:

(Start: 75 @48897 has 190 MA's), (187, 49236), (203, 49314), (224, 49422), (240, 49524),

Gene: Pinkman_46 Start: 39839, Stop: 39279, Start Num: 92

Candidate Starts for Pinkman_46:

(Start: 54 @39923 has 62 MA's), (Start: 58 @39917 has 3 MA's), (Start: 59 @39914 has 1 MA's),
(Start: 92 @39839 has 220 MA's), (115, 39770), (117, 39767), (119, 39764), (178, 39599), (201,
39497), (238, 39290),

Gene: Pio_105 Start: 53696, Stop: 54328, Start Num: 75

Candidate Starts for Pio_105:

(Start: 75 @53696 has 190 MA's), (187, 54035), (203, 54113), (224, 54221), (240, 54323),

Gene: Pipsqueak_47 Start: 40368, Stop: 39724, Start Num: 54

Candidate Starts for Pipsqueak_47:

(Start: 54 @40368 has 62 MA's), (Start: 58 @40362 has 3 MA's), (Start: 59 @40359 has 1 MA's),
(Start: 92 @40284 has 220 MA's), (115, 40215), (117, 40212), (119, 40209), (135, 40155), (201,
39942), (238, 39735),

Gene: Pivoine_100 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for Pivoine_100:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224,
50863), (240, 50965),

Gene: Placalicious_46 Start: 39977, Stop: 39417, Start Num: 92

Candidate Starts for Placalicious_46:

(Start: 54 @40061 has 62 MA's), (Start: 58 @40055 has 3 MA's), (Start: 59 @40052 has 1 MA's), (Start: 92 @39977 has 220 MA's), (115, 39908), (117, 39905), (119, 39902), (178, 39737), (201, 39635), (238, 39428),

Gene: Plata_46 Start: 39995, Stop: 39435, Start Num: 92

Candidate Starts for Plata_46:

(Start: 54 @40079 has 62 MA's), (Start: 58 @40073 has 3 MA's), (Start: 59 @40070 has 1 MA's), (Start: 92 @39995 has 220 MA's), (115, 39926), (117, 39923), (119, 39920), (135, 39866), (201, 39653), (238, 39446),

Gene: Pleione_104 Start: 51973, Stop: 52605, Start Num: 75

Candidate Starts for Pleione_104:

(Start: 75 @51973 has 190 MA's), (187, 52312), (203, 52390), (224, 52498), (240, 52600),

Gene: Plmatters_47 Start: 40280, Stop: 39720, Start Num: 92

Candidate Starts for Plmatters_47:

(Start: 54 @40364 has 62 MA's), (Start: 58 @40358 has 3 MA's), (Start: 59 @40355 has 1 MA's), (Start: 92 @40280 has 220 MA's), (115, 40211), (117, 40208), (119, 40205), (135, 40151), (178, 40040), (201, 39938), (238, 39731),

Gene: Podrick_47 Start: 40271, Stop: 39711, Start Num: 92

Candidate Starts for Podrick_47:

(Start: 54 @40355 has 62 MA's), (Start: 58 @40349 has 3 MA's), (Start: 59 @40346 has 1 MA's), (Start: 92 @40271 has 220 MA's), (115, 40202), (117, 40199), (119, 40196), (135, 40142), (178, 40031), (201, 39929), (238, 39722),

Gene: Pops_47 Start: 40295, Stop: 39735, Start Num: 92

Candidate Starts for Pops_47:

(Start: 54 @40379 has 62 MA's), (Start: 58 @40373 has 3 MA's), (Start: 59 @40370 has 1 MA's), (Start: 92 @40295 has 220 MA's), (115, 40226), (117, 40223), (119, 40220), (135, 40166), (178, 40055), (201, 39953), (238, 39746),

Gene: Poster_41 Start: 39395, Stop: 38667, Start Num: 33

Candidate Starts for Poster_41:

(Start: 33 @39395 has 26 MA's), (Start: 79 @39254 has 2 MA's), (88, 39233), (94, 39218), (128, 39113), (176, 38993), (178, 38987), (201, 38885), (212, 38840),

Gene: Potter_46 Start: 39995, Stop: 39435, Start Num: 92

Candidate Starts for Potter_46:

(Start: 54 @40079 has 62 MA's), (Start: 58 @40073 has 3 MA's), (Start: 59 @40070 has 1 MA's), (Start: 92 @39995 has 220 MA's), (115, 39926), (117, 39923), (119, 39920), (178, 39755), (201, 39653), (238, 39446),

Gene: Prickles_47 Start: 40271, Stop: 39711, Start Num: 92

Candidate Starts for Prickles_47:

(Start: 54 @40355 has 62 MA's), (Start: 58 @40349 has 3 MA's), (Start: 59 @40346 has 1 MA's), (Start: 92 @40271 has 220 MA's), (115, 40202), (117, 40199), (119, 40196), (135, 40142), (201, 39929), (238, 39722),

Gene: Primadonna_95 Start: 50702, Stop: 51334, Start Num: 75

Candidate Starts for Primadonna_95:

(Start: 75 @50702 has 190 MA's), (187, 51041), (203, 51119), (224, 51227), (240, 51329),

Gene: Prince_42 Start: 40608, Stop: 39850, Start Num: 33

Candidate Starts for Prince_42:

(Start: 33 @40608 has 26 MA's), (48, 40539), (90, 40431), (100, 40401), (117, 40353), (123, 40341), (136, 40296), (171, 40185), (178, 40170), (201, 40068), (212, 40023), (217, 40002), (220, 39984), (235, 39876),

Gene: PrinceCharming_46 Start: 40808, Stop: 40044, Start Num: 25

Candidate Starts for PrinceCharming_46:

(Start: 25 @40808 has 37 MA's), (34, 40766), (46, 40721), (69, 40664), (Start: 73 @40655 has 10 MA's), (74, 40652), (77, 40643), (107, 40562), (110, 40556), (119, 40541), (141, 40457), (178, 40364), (193, 40313), (201, 40262), (210, 40223),

Gene: ProfessorX_47 Start: 40272, Stop: 39712, Start Num: 92

Candidate Starts for ProfessorX_47:

(Start: 54 @40356 has 62 MA's), (Start: 58 @40350 has 3 MA's), (Start: 59 @40347 has 1 MA's), (Start: 92 @40272 has 220 MA's), (115, 40203), (117, 40200), (119, 40197), (135, 40143), (201, 39930), (238, 39723),

Gene: Puhltonio_47 Start: 40365, Stop: 39727, Start Num: 54

Candidate Starts for Puhltonio_47:

(Start: 54 @40365 has 62 MA's), (Start: 58 @40359 has 3 MA's), (Start: 59 @40356 has 1 MA's), (Start: 92 @40281 has 220 MA's), (115, 40218), (117, 40215), (119, 40212), (135, 40158), (201, 39945), (217, 39879), (238, 39738),

Gene: Puissant_41 Start: 37458, Stop: 38090, Start Num: 73

Candidate Starts for Puissant_41:

(Start: 73 @37458 has 10 MA's), (104, 37545), (106, 37554), (Start: 120 @37587 has 6 MA's), (134, 37632), (173, 37746), (197, 37824), (198, 37833), (207, 37887), (215, 37926), (222, 37956), (229, 38004), (234, 38052), (238, 38076),

Gene: Puppies_48 Start: 36822, Stop: 36238, Start Num: 78

Candidate Starts for Puppies_48:

(72, 36834), (Start: 78 @36822 has 2 MA's), (82, 36813), (Start: 124 @36717 has 1 MA's), (153, 36612), (160, 36591), (167, 36561), (235, 36258),

Gene: Pupusa_107 Start: 53185, Stop: 53817, Start Num: 75

Candidate Starts for Pupusa_107:

(Start: 39 @53098 has 5 MA's), (Start: 75 @53185 has 190 MA's), (187, 53524), (203, 53602), (224, 53710), (240, 53812),

Gene: PurduePete_101 Start: 52225, Stop: 52863, Start Num: 75

Candidate Starts for PurduePete_101:

(Start: 75 @52225 has 190 MA's), (187, 52570), (203, 52648), (224, 52756), (240, 52858),

Gene: QBert_95 Start: 50881, Stop: 51513, Start Num: 75

Candidate Starts for QBert_95:

(Start: 75 @50881 has 190 MA's), (187, 51220), (203, 51298), (224, 51406), (240, 51508),

Gene: Quasimodo_102 Start: 51762, Stop: 52394, Start Num: 75

Candidate Starts for Quasimodo_102:

(Start: 75 @51762 has 190 MA's), (187, 52101), (203, 52179), (224, 52287), (240, 52389),

Gene: QueenBeane_47 Start: 40271, Stop: 39717, Start Num: 92

Candidate Starts for QueenBeane_47:

(Start: 54 @40355 has 62 MA's), (Start: 58 @40349 has 3 MA's), (Start: 59 @40346 has 1 MA's),
(Start: 92 @40271 has 220 MA's), (115, 40208), (117, 40205), (119, 40202), (135, 40148), (201,
39935), (217, 39869), (238, 39728),

Gene: QueenPie_41 Start: 40519, Stop: 39791, Start Num: 33

Candidate Starts for QueenPie_41:

(Start: 33 @40519 has 26 MA's), (Start: 79 @40378 has 2 MA's), (88, 40357), (94, 40342), (128,
40237), (145, 40171), (176, 40117), (178, 40111), (201, 40009), (212, 39964), (220, 39925),

Gene: Quesadilla_48 Start: 42077, Stop: 41490, Start Num: 86

Candidate Starts for Quesadilla_48:

(Start: 86 @42077 has 3 MA's), (117, 41996), (119, 41993), (131, 41948), (197, 41744), (201, 41708),
(205, 41693), (210, 41669),

Gene: Quisquilliae_47 Start: 40308, Stop: 39748, Start Num: 92

Candidate Starts for Quisquilliae_47:

(Start: 54 @40392 has 62 MA's), (Start: 58 @40386 has 3 MA's), (Start: 59 @40383 has 1 MA's),
(Start: 92 @40308 has 220 MA's), (115, 40239), (117, 40236), (119, 40233), (135, 40179), (178,
40068), (201, 39966), (238, 39759),

Gene: Rabinovish_99 Start: 51861, Stop: 52493, Start Num: 75

Candidate Starts for Rabinovish_99:

(Start: 75 @51861 has 190 MA's), (187, 52200), (203, 52278), (224, 52386), (240, 52488),

Gene: Rahel_100 Start: 50695, Stop: 51327, Start Num: 75

Candidate Starts for Rahel_100:

(Start: 39 @50608 has 5 MA's), (Start: 75 @50695 has 190 MA's), (187, 51034), (203, 51112), (224,
51220), (240, 51322),

Gene: RawrgerThat_43 Start: 40453, Stop: 39695, Start Num: 33

Candidate Starts for RawrgerThat_43:

(Start: 33 @40453 has 26 MA's), (48, 40384), (90, 40276), (100, 40246), (117, 40198), (123, 40186),
(136, 40141), (171, 40030), (178, 40015), (201, 39913), (212, 39868), (220, 39829), (235, 39721),

Gene: Reccee_46 Start: 41085, Stop: 40300, Start Num: 27

Candidate Starts for Reccee_46:

(Start: 27 @41085 has 12 MA's), (46, 40998), (Start: 73 @40923 has 10 MA's), (84, 40896), (121,
40797), (201, 40518), (205, 40503),

Gene: RedMaple_47 Start: 40422, Stop: 39862, Start Num: 92

Candidate Starts for RedMaple_47:

(Start: 54 @40506 has 62 MA's), (Start: 58 @40500 has 3 MA's), (Start: 59 @40497 has 1 MA's),
(Start: 92 @40422 has 220 MA's), (115, 40353), (117, 40350), (119, 40347), (135, 40293), (201,
40080),

Gene: RedRaider89_48 Start: 40504, Stop: 39944, Start Num: 92

Candidate Starts for RedRaider89_48:

(Start: 75 @40546 has 190 MA's), (Start: 92 @40504 has 220 MA's), (115, 40435), (117, 40432), (119,
40429), (135, 40375), (201, 40162), (217, 40096), (238, 39955),

Gene: RedWattleHog_178 Start: 112519, Stop: 113199, Start Num: 36

Candidate Starts for RedWattleHog_178:

(Start: 36 @112519 has 13 MA's), (91, 112642), (129, 112747), (148, 112819), (196, 112945), (215, 113047),

Gene: Renkei_41 Start: 39429, Stop: 38701, Start Num: 33

Candidate Starts for Renkei_41:

(Start: 33 @39429 has 26 MA's), (Start: 79 @39288 has 2 MA's), (88, 39267), (94, 39252), (128, 39147), (176, 39027), (178, 39021), (201, 38919), (212, 38874),

Gene: Rhinoforte_46 Start: 40821, Stop: 40045, Start Num: 25

Candidate Starts for Rhinoforte_46:

(Start: 25 @40821 has 37 MA's), (34, 40767), (46, 40722), (69, 40665), (Start: 73 @40656 has 10 MA's), (74, 40653), (77, 40644), (110, 40557), (119, 40542), (141, 40458), (178, 40365), (193, 40314), (201, 40263), (210, 40224),

Gene: Rich_44 Start: 40775, Stop: 39990, Start Num: 27

Candidate Starts for Rich_44:

(Start: 27 @40775 has 12 MA's), (55, 40652), (Start: 73 @40613 has 10 MA's), (84, 40586), (121, 40487), (141, 40412), (156, 40361), (178, 40310), (201, 40208), (202, 40202), (205, 40193),

Gene: Ricotta_46 Start: 39994, Stop: 39440, Start Num: 92

Candidate Starts for Ricotta_46:

(Start: 54 @40078 has 62 MA's), (Start: 58 @40072 has 3 MA's), (Start: 59 @40069 has 1 MA's), (Start: 92 @39994 has 220 MA's), (115, 39931), (117, 39928), (119, 39925), (135, 39871), (201, 39658), (217, 39592), (238, 39451),

Gene: Riggan_47 Start: 40267, Stop: 39707, Start Num: 92

Candidate Starts for Riggan_47:

(Start: 54 @40351 has 62 MA's), (Start: 58 @40345 has 3 MA's), (Start: 59 @40342 has 1 MA's), (Start: 92 @40267 has 220 MA's), (115, 40198), (117, 40195), (119, 40192), (135, 40138), (201, 39925), (238, 39718),

Gene: Rimu_47 Start: 40007, Stop: 39453, Start Num: 92

Candidate Starts for Rimu_47:

(Start: 54 @40091 has 62 MA's), (Start: 58 @40085 has 3 MA's), (Start: 59 @40082 has 1 MA's), (Start: 92 @40007 has 220 MA's), (115, 39944), (117, 39941), (119, 39938), (135, 39884), (201, 39671), (217, 39605), (238, 39464),

Gene: Rita130_46 Start: 40905, Stop: 40120, Start Num: 27

Candidate Starts for Rita130_46:

(Start: 27 @40905 has 12 MA's), (46, 40818), (Start: 73 @40743 has 10 MA's), (84, 40716), (121, 40617), (201, 40338), (205, 40323),

Gene: Riverton_47 Start: 40369, Stop: 39725, Start Num: 54

Candidate Starts for Riverton_47:

(Start: 54 @40369 has 62 MA's), (Start: 58 @40363 has 3 MA's), (Start: 59 @40360 has 1 MA's), (Start: 92 @40285 has 220 MA's), (115, 40216), (117, 40213), (119, 40210), (135, 40156), (178, 40045), (201, 39943), (238, 39736),

Gene: Rizal_97 Start: 49756, Stop: 50475, Start Num: 39

Candidate Starts for Rizal_97:

(Start: 39 @49756 has 5 MA's), (Start: 75 @49843 has 190 MA's), (187, 50182), (203, 50260), (224, 50368), (240, 50470),

Gene: RoMag_96 Start: 51018, Stop: 51650, Start Num: 75

Candidate Starts for RoMag_96:

(53, 50976), (Start: 54 @50979 has 62 MA's), (Start: 75 @51018 has 190 MA's), (187, 51357), (203, 51435), (224, 51543), (240, 51645),

Gene: Robyn_46 Start: 39851, Stop: 39291, Start Num: 92

Candidate Starts for Robyn_46:

(Start: 54 @39935 has 62 MA's), (Start: 58 @39929 has 3 MA's), (Start: 59 @39926 has 1 MA's), (Start: 92 @39851 has 220 MA's), (115, 39782), (117, 39779), (119, 39776), (178, 39611), (201, 39509), (238, 39302),

Gene: Rocha_100 Start: 51272, Stop: 51904, Start Num: 75

Candidate Starts for Rocha_100:

(Start: 75 @51272 has 190 MA's), (187, 51611), (203, 51689), (224, 51797), (240, 51899),

Gene: Roliet_47 Start: 40279, Stop: 39719, Start Num: 92

Candidate Starts for Roliet_47:

(Start: 75 @40321 has 190 MA's), (Start: 92 @40279 has 220 MA's), (115, 40210), (117, 40207), (119, 40204), (135, 40150), (201, 39937), (238, 39730),

Gene: Ronan_95 Start: 48969, Stop: 49601, Start Num: 75

Candidate Starts for Ronan_95:

(Start: 75 @48969 has 190 MA's), (187, 49308), (203, 49386), (224, 49494), (240, 49596),

Gene: Roots515_100 Start: 51997, Stop: 52635, Start Num: 75

Candidate Starts for Roots515_100:

(Start: 75 @51997 has 190 MA's), (187, 52342), (203, 52420), (224, 52528), (240, 52630),

Gene: Roscoe_48 Start: 40517, Stop: 39957, Start Num: 92

Candidate Starts for Roscoe_48:

(Start: 54 @40601 has 62 MA's), (Start: 58 @40595 has 3 MA's), (Start: 59 @40592 has 1 MA's), (Start: 92 @40517 has 220 MA's), (115, 40448), (117, 40445), (119, 40442), (135, 40388), (201, 40175), (238, 39968),

Gene: Rosebush_45 Start: 40816, Stop: 40052, Start Num: 25

Candidate Starts for Rosebush_45:

(Start: 25 @40816 has 37 MA's), (46, 40729), (69, 40672), (Start: 73 @40663 has 10 MA's), (74, 40660), (77, 40651), (110, 40564), (119, 40549), (141, 40465), (178, 40372), (193, 40321), (201, 40270), (210, 40231),

Gene: Roy17_47 Start: 40055, Stop: 39417, Start Num: 54

Candidate Starts for Roy17_47:

(Start: 54 @40055 has 62 MA's), (Start: 58 @40049 has 3 MA's), (Start: 59 @40046 has 1 MA's), (Start: 92 @39971 has 220 MA's), (115, 39908), (117, 39905), (119, 39902), (135, 39848), (201, 39635), (217, 39569), (238, 39428),

Gene: SDcharge11_47 Start: 40299, Stop: 39697, Start Num: 75

Candidate Starts for SDcharge11_47:

(Start: 75 @40299 has 190 MA's), (Start: 92 @40257 has 220 MA's), (115, 40188), (117, 40185), (119, 40182), (135, 40128), (201, 39915), (238, 39708),

Gene: SVoro_99 Start: 52175, Stop: 52813, Start Num: 75

Candidate Starts for SVoro_99:

(Start: 75 @52175 has 190 MA's), (187, 52520), (203, 52598), (224, 52706), (240, 52808),

Gene: Sabella_45 Start: 40693, Stop: 39929, Start Num: 25

Candidate Starts for Sabella_45:

(Start: 25 @40693 has 37 MA's), (46, 40606), (69, 40549), (Start: 73 @40540 has 10 MA's), (74, 40537), (77, 40528), (110, 40441), (119, 40426), (141, 40342), (178, 40249), (193, 40198), (201, 40147), (210, 40108),

Gene: Saguaro_48 Start: 41742, Stop: 41140, Start Num: 86

Candidate Starts for Saguaro_48:

(64, 41793), (65, 41790), (Start: 86 @41742 has 3 MA's), (100, 41700), (117, 41655), (119, 41652), (123, 41640), (177, 41463), (178, 41460), (197, 41394), (201, 41358), (210, 41319),

Gene: Salacia_105 Start: 52144, Stop: 52776, Start Num: 75

Candidate Starts for Salacia_105:

(Start: 75 @52144 has 190 MA's), (187, 52483), (203, 52561), (224, 52669), (240, 52771),

Gene: SallyH_48 Start: 40425, Stop: 39865, Start Num: 92

Candidate Starts for SallyH_48:

(Start: 54 @40509 has 62 MA's), (Start: 58 @40503 has 3 MA's), (Start: 59 @40500 has 1 MA's), (Start: 92 @40425 has 220 MA's), (115, 40356), (117, 40353), (119, 40350), (135, 40296), (201, 40083),

Gene: Samaymay_47 Start: 40271, Stop: 39717, Start Num: 92

Candidate Starts for Samaymay_47:

(Start: 54 @40355 has 62 MA's), (Start: 58 @40349 has 3 MA's), (Start: 59 @40346 has 1 MA's), (Start: 92 @40271 has 220 MA's), (115, 40208), (117, 40205), (119, 40202), (135, 40148), (201, 39935), (217, 39869), (238, 39728),

Gene: SassyCat97_46 Start: 39983, Stop: 39423, Start Num: 92

Candidate Starts for SassyCat97_46:

(Start: 54 @40067 has 62 MA's), (Start: 58 @40061 has 3 MA's), (Start: 59 @40058 has 1 MA's), (Start: 92 @39983 has 220 MA's), (115, 39914), (117, 39911), (119, 39908), (178, 39743), (201, 39641), (238, 39434),

Gene: Sauce_102 Start: 51006, Stop: 51638, Start Num: 75

Candidate Starts for Sauce_102:

(Start: 75 @51006 has 190 MA's), (187, 51345), (203, 51423), (224, 51531), (240, 51633),

Gene: Schadenfreude_46 Start: 39825, Stop: 39265, Start Num: 92

Candidate Starts for Schadenfreude_46:

(Start: 54 @39909 has 62 MA's), (Start: 58 @39903 has 3 MA's), (Start: 59 @39900 has 1 MA's), (Start: 92 @39825 has 220 MA's), (115, 39756), (117, 39753), (119, 39750), (178, 39585), (201, 39483), (238, 39276),

Gene: Schueller_46 Start: 40080, Stop: 39436, Start Num: 54

Candidate Starts for Schueller_46:

(Start: 54 @40080 has 62 MA's), (Start: 58 @40074 has 3 MA's), (Start: 59 @40071 has 1 MA's), (Start: 92 @39996 has 220 MA's), (115, 39927), (117, 39924), (119, 39921), (135, 39867), (201, 39654), (238, 39447),

Gene: ScoobyDoobyDoo_226 Start: 130612, Stop: 131253, Start Num: 75

Candidate Starts for ScoobyDoobyDoo_226:

(Start: 75 @130612 has 190 MA's), (118, 130723), (141, 130816), (160, 130882), (170, 130903), (183, 130942), (187, 130960), (189, 130966), (203, 131038), (224, 131146), (228, 131164),

Gene: Scoot17C_48 Start: 40414, Stop: 39854, Start Num: 92

Candidate Starts for Scoot17C_48:

(Start: 54 @40498 has 62 MA's), (Start: 58 @40492 has 3 MA's), (Start: 59 @40489 has 1 MA's), (Start: 92 @40414 has 220 MA's), (115, 40345), (117, 40342), (119, 40339), (135, 40285), (201, 40072),

Gene: ScottMcG_98 Start: 50768, Stop: 51400, Start Num: 75

Candidate Starts for ScottMcG_98:

(Start: 75 @50768 has 190 MA's), (187, 51107), (203, 51185), (224, 51293), (240, 51395),

Gene: Scrick_47 Start: 40007, Stop: 39447, Start Num: 92

Candidate Starts for Scrick_47:

(Start: 54 @40091 has 62 MA's), (Start: 58 @40085 has 3 MA's), (Start: 59 @40082 has 1 MA's), (Start: 92 @40007 has 220 MA's), (115, 39938), (117, 39935), (119, 39932), (135, 39878), (178, 39767), (201, 39665), (238, 39458),

Gene: Sebata_103 Start: 52475, Stop: 53107, Start Num: 75

Candidate Starts for Sebata_103:

(Start: 75 @52475 has 190 MA's), (187, 52814), (203, 52892), (224, 53000), (240, 53102),

Gene: Selr12_47 Start: 40094, Stop: 39450, Start Num: 54

Candidate Starts for Selr12_47:

(Start: 54 @40094 has 62 MA's), (Start: 58 @40088 has 3 MA's), (Start: 59 @40085 has 1 MA's), (Start: 92 @40010 has 220 MA's), (115, 39941), (117, 39938), (119, 39935), (178, 39770), (201, 39668), (238, 39461),

Gene: Serendipitous_45 Start: 40717, Stop: 39950, Start Num: 27

Candidate Starts for Serendipitous_45:

(5, 40885), (6, 40879), (9, 40834), (11, 40828), (Start: 27 @40717 has 12 MA's), (Start: 73 @40555 has 10 MA's), (84, 40528), (121, 40429), (141, 40354), (152, 40315), (201, 40168), (202, 40162), (205, 40153), (215, 40105),

Gene: Serendipity_47 Start: 40295, Stop: 39741, Start Num: 92

Candidate Starts for Serendipity_47:

(Start: 54 @40379 has 62 MA's), (Start: 58 @40373 has 3 MA's), (Start: 59 @40370 has 1 MA's), (Start: 92 @40295 has 220 MA's), (115, 40232), (117, 40229), (119, 40226), (135, 40172), (201, 39959), (217, 39893), (238, 39752),

Gene: Serpentine_0047 Start: 40366, Stop: 39722, Start Num: 54

Candidate Starts for Serpentine_0047:

(Start: 54 @40366 has 62 MA's), (Start: 58 @40360 has 3 MA's), (Start: 59 @40357 has 1 MA's), (Start: 92 @40282 has 220 MA's), (115, 40213), (117, 40210), (119, 40207), (135, 40153), (178, 40042), (201, 39940), (238, 39733),

Gene: ShadowBud_47 Start: 40305, Stop: 39745, Start Num: 92

Candidate Starts for ShadowBud_47:

(Start: 54 @40389 has 62 MA's), (Start: 58 @40383 has 3 MA's), (Start: 59 @40380 has 1 MA's), (Start: 92 @40305 has 220 MA's), (115, 40236), (117, 40233), (119, 40230), (135, 40176), (178, 40065), (201, 39963), (238, 39756),

Gene: Shaqnato_94 Start: 49881, Stop: 50513, Start Num: 75

Candidate Starts for Shaqnato_94:

(Start: 75 @49881 has 190 MA's), (187, 50220), (203, 50298), (224, 50406), (240, 50508),

Gene: Shatter_40 Start: 34038, Stop: 33349, Start Num: 36

Candidate Starts for Shatter_40:

(20, 34119), (30, 34071), (Start: 36 @34038 has 13 MA's), (98, 33888), (100, 33876), (103, 33867), (184, 33642), (201, 33561), (205, 33546), (215, 33498),

Gene: Sheila_47 Start: 40319, Stop: 39759, Start Num: 92

Candidate Starts for Sheila_47:

(Start: 75 @40361 has 190 MA's), (Start: 92 @40319 has 220 MA's), (115, 40250), (117, 40247), (119, 40244), (135, 40190), (201, 39977), (238, 39770),

Gene: Shelob_103 Start: 52591, Stop: 53223, Start Num: 75

Candidate Starts for Shelob_103:

(Start: 75 @52591 has 190 MA's), (187, 52930), (203, 53008), (224, 53116), (240, 53218),

Gene: Shenyu_45 Start: 40967, Stop: 40182, Start Num: 27

Candidate Starts for Shenyu_45:

(4, 41147), (5, 41135), (6, 41129), (11, 41078), (Start: 27 @40967 has 12 MA's), (Start: 73 @40805 has 10 MA's), (84, 40778), (121, 40679), (141, 40604), (178, 40502), (201, 40400), (202, 40394), (205, 40385), (215, 40337),

Gene: ShiVal_47 Start: 40281, Stop: 39721, Start Num: 92

Candidate Starts for ShiVal_47:

(Start: 54 @40365 has 62 MA's), (Start: 58 @40359 has 3 MA's), (Start: 59 @40356 has 1 MA's), (Start: 92 @40281 has 220 MA's), (115, 40212), (117, 40209), (119, 40206), (135, 40152), (201, 39939), (238, 39732),

Gene: ShiaLabeouf_100 Start: 51130, Stop: 51762, Start Num: 75

Candidate Starts for ShiaLabeouf_100:

(Start: 39 @51043 has 5 MA's), (Start: 75 @51130 has 190 MA's), (187, 51469), (203, 51547), (224, 51655), (240, 51757),

Gene: Shifa_90 Start: 49856, Stop: 50488, Start Num: 75

Candidate Starts for Shifa_90:

(Start: 75 @49856 has 190 MA's), (187, 50195), (203, 50273), (224, 50381), (240, 50483),

Gene: Shnickers_101 Start: 51094, Stop: 51726, Start Num: 75

Candidate Starts for Shnickers_101:

(Start: 39 @51007 has 5 MA's), (Start: 75 @51094 has 190 MA's), (187, 51433), (203, 51511), (224, 51619), (240, 51721),

Gene: Shrimp_101 Start: 51808, Stop: 52446, Start Num: 75

Candidate Starts for Shrimp_101:

(Start: 75 @51808 has 190 MA's), (187, 52153), (203, 52231), (224, 52339), (240, 52441),

Gene: Sienna_37 Start: 31498, Stop: 32277, Start Num: 83

Candidate Starts for Sienna_37:

(Start: 83 @31498 has 8 MA's), (98, 31537), (161, 31756), (182, 31819), (199, 31885), (204, 31912), (226, 32029), (241, 32134), (244, 32176),

Gene: Sigman_48 Start: 40489, Stop: 39845, Start Num: 54

Candidate Starts for Sigman_48:

(Start: 54 @40489 has 62 MA's), (Start: 58 @40483 has 3 MA's), (Start: 59 @40480 has 1 MA's),
(Start: 92 @40405 has 220 MA's), (115, 40336), (117, 40333), (119, 40330), (135, 40276), (201,
40063),

Gene: SilverBell_47 Start: 40384, Stop: 39740, Start Num: 54

Candidate Starts for SilverBell_47:

(Start: 54 @40384 has 62 MA's), (Start: 58 @40378 has 3 MA's), (Start: 59 @40375 has 1 MA's),
(Start: 92 @40300 has 220 MA's), (115, 40231), (117, 40228), (119, 40225), (135, 40171), (178,
40060), (201, 39958), (238, 39751),

Gene: SilverDipper_102 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for SilverDipper_102:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224,
50863), (240, 50965),

Gene: Simielle_46 Start: 39964, Stop: 39410, Start Num: 92

Candidate Starts for Simielle_46:

(Start: 54 @40048 has 62 MA's), (Start: 58 @40042 has 3 MA's), (Start: 59 @40039 has 1 MA's),
(Start: 92 @39964 has 220 MA's), (115, 39901), (117, 39898), (119, 39895), (135, 39841), (201,
39628), (217, 39562), (238, 39421),

Gene: SirBeauregard_47 Start: 39977, Stop: 39417, Start Num: 92

Candidate Starts for SirBeauregard_47:

(Start: 54 @40061 has 62 MA's), (Start: 58 @40055 has 3 MA's), (Start: 59 @40052 has 1 MA's),
(Start: 92 @39977 has 220 MA's), (115, 39908), (117, 39905), (119, 39902), (135, 39848), (201,
39635), (238, 39428),

Gene: SirJeffery_46 Start: 40904, Stop: 40119, Start Num: 27

Candidate Starts for SirJeffery_46:

(Start: 27 @40904 has 12 MA's), (46, 40817), (Start: 73 @40742 has 10 MA's), (84, 40715), (121,
40616), (201, 40337), (205, 40322),

Gene: Sisko_40 Start: 34816, Stop: 34106, Start Num: 36

Candidate Starts for Sisko_40:

(Start: 36 @34816 has 13 MA's), (116, 34618), (141, 34525), (178, 34420), (201, 34318), (205, 34303),
(215, 34255),

Gene: Skippy_47 Start: 40265, Stop: 39705, Start Num: 92

Candidate Starts for Skippy_47:

(Start: 54 @40349 has 62 MA's), (Start: 58 @40343 has 3 MA's), (Start: 59 @40340 has 1 MA's),
(Start: 92 @40265 has 220 MA's), (115, 40196), (117, 40193), (119, 40190), (135, 40136), (201,
39923), (238, 39716),

Gene: Slatt_47 Start: 40291, Stop: 39731, Start Num: 92

Candidate Starts for Slatt_47:

(Start: 54 @40375 has 62 MA's), (Start: 58 @40369 has 3 MA's), (Start: 59 @40366 has 1 MA's),
(Start: 92 @40291 has 220 MA's), (115, 40222), (117, 40219), (119, 40216), (135, 40162), (178,
40051), (201, 39949), (238, 39742),

Gene: SmallFry_101 Start: 50319, Stop: 50951, Start Num: 75

Candidate Starts for SmallFry_101:

(Start: 39 @50232 has 5 MA's), (Start: 75 @50319 has 190 MA's), (187, 50658), (203, 50736), (224, 50844), (240, 50946),

Gene: SoilZilla_97 Start: 51093, Stop: 51725, Start Num: 75

Candidate Starts for SoilZilla_97:

(Start: 75 @51093 has 190 MA's), (187, 51432), (203, 51510), (224, 51618), (240, 51720),

Gene: Soile_47 Start: 39994, Stop: 39434, Start Num: 92

Candidate Starts for Soile_47:

(Start: 54 @40078 has 62 MA's), (Start: 58 @40072 has 3 MA's), (Start: 59 @40069 has 1 MA's), (Start: 92 @39994 has 220 MA's), (115, 39925), (117, 39922), (119, 39919), (135, 39865), (201, 39652), (238, 39445),

Gene: Solosis_46 Start: 39992, Stop: 39432, Start Num: 92

Candidate Starts for Solosis_46:

(Start: 54 @40076 has 62 MA's), (Start: 58 @40070 has 3 MA's), (Start: 59 @40067 has 1 MA's), (Start: 92 @39992 has 220 MA's), (115, 39923), (117, 39920), (119, 39917), (135, 39863), (201, 39650), (238, 39443),

Gene: Sophia_46 Start: 39986, Stop: 39432, Start Num: 92

Candidate Starts for Sophia_46:

(Start: 54 @40070 has 62 MA's), (Start: 58 @40064 has 3 MA's), (Start: 59 @40061 has 1 MA's), (Start: 92 @39986 has 220 MA's), (115, 39923), (117, 39920), (119, 39917), (135, 39863), (201, 39650), (217, 39584), (238, 39443),

Gene: Soto_47 Start: 40291, Stop: 39731, Start Num: 92

Candidate Starts for Soto_47:

(Start: 75 @40333 has 190 MA's), (Start: 92 @40291 has 220 MA's), (115, 40222), (117, 40219), (119, 40216), (135, 40162), (201, 39949), (238, 39742),

Gene: Sour_45 Start: 38694, Stop: 38008, Start Num: 36

Candidate Starts for Sour_45:

(29, 38730), (Start: 36 @38694 has 13 MA's), (116, 38487), (141, 38394), (178, 38322), (205, 38205), (233, 38043),

Gene: SparkleGoddess_256 Start: 123985, Stop: 124458, Start Num: 120

Candidate Starts for SparkleGoddess_256:

(112, 123967), (Start: 120 @123985 has 6 MA's), (164, 124111), (166, 124114), (179, 124147), (198, 124222), (203, 124258), (218, 124315), (222, 124333), (235, 124438),

Gene: Spartan300_47 Start: 40277, Stop: 39717, Start Num: 92

Candidate Starts for Spartan300_47:

(Start: 54 @40361 has 62 MA's), (Start: 58 @40355 has 3 MA's), (Start: 59 @40352 has 1 MA's), (Start: 92 @40277 has 220 MA's), (115, 40208), (117, 40205), (119, 40202), (135, 40148), (201, 39935), (238, 39728),

Gene: Spec_97 Start: 50859, Stop: 51491, Start Num: 75

Candidate Starts for Spec_97:

(Start: 39 @50772 has 5 MA's), (Start: 75 @50859 has 190 MA's), (187, 51198), (203, 51276), (224, 51384), (240, 51486),

Gene: Specks_106 Start: 52993, Stop: 53625, Start Num: 75

Candidate Starts for Specks_106:

(Start: 39 @52906 has 5 MA's), (Start: 75 @52993 has 190 MA's), (187, 53332), (203, 53410), (224, 53518), (240, 53620),

Gene: Sprinklers_97 Start: 50378, Stop: 51010, Start Num: 75

Candidate Starts for Sprinklers_97:

(Start: 75 @50378 has 190 MA's), (187, 50717), (203, 50795), (224, 50903), (240, 51005),

Gene: Spud_101 Start: 51893, Stop: 52525, Start Num: 75

Candidate Starts for Spud_101:

(Start: 75 @51893 has 190 MA's), (187, 52232), (203, 52310), (224, 52418), (240, 52520),

Gene: Squid_47 Start: 40067, Stop: 39423, Start Num: 54

Candidate Starts for Squid_47:

(Start: 54 @40067 has 62 MA's), (Start: 58 @40061 has 3 MA's), (Start: 59 @40058 has 1 MA's), (Start: 92 @39983 has 220 MA's), (115, 39914), (117, 39911), (119, 39908), (178, 39743), (201, 39641), (238, 39434),

Gene: Squiggle_47 Start: 40001, Stop: 39441, Start Num: 92

Candidate Starts for Squiggle_47:

(Start: 54 @40085 has 62 MA's), (Start: 58 @40079 has 3 MA's), (Start: 59 @40076 has 1 MA's), (Start: 92 @40001 has 220 MA's), (115, 39932), (117, 39929), (119, 39926), (135, 39872), (201, 39659), (238, 39452),

Gene: SrishMeg2525_100 Start: 51912, Stop: 52544, Start Num: 75

Candidate Starts for SrishMeg2525_100:

(Start: 75 @51912 has 190 MA's), (187, 52251), (203, 52329), (224, 52437), (240, 52539),

Gene: StephanieG_100 Start: 52717, Stop: 53355, Start Num: 75

Candidate Starts for StephanieG_100:

(Start: 75 @52717 has 190 MA's), (187, 53062), (203, 53140), (224, 53248), (240, 53350),

Gene: Stigma_254 Start: 123698, Stop: 124171, Start Num: 120

Candidate Starts for Stigma_254:

(112, 123680), (Start: 120 @123698 has 6 MA's), (164, 123824), (166, 123827), (179, 123860), (198, 123935), (203, 123971), (218, 124028), (222, 124046), (235, 124151),

Gene: Stinger_41 Start: 39003, Stop: 38269, Start Num: 33

Candidate Starts for Stinger_41:

(Start: 33 @39003 has 26 MA's), (68, 38883), (Start: 79 @38856 has 2 MA's), (88, 38835), (94, 38820), (100, 38799), (101, 38796), (176, 38595), (178, 38589), (201, 38487), (212, 38442),

Gene: StinkyVeggy_47 Start: 41044, Stop: 40259, Start Num: 27

Candidate Starts for StinkyVeggy_47:

(8, 41194), (10, 41158), (13, 41128), (18, 41089), (Start: 27 @41044 has 12 MA's), (Start: 73 @40882 has 10 MA's), (84, 40855), (121, 40756), (141, 40681), (178, 40579), (201, 40477), (202, 40471), (205, 40462), (215, 40414),

Gene: Stormageddon_179 Start: 113484, Stop: 114164, Start Num: 36

Candidate Starts for Stormageddon_179:

(Start: 36 @113484 has 13 MA's), (91, 113607), (129, 113712), (148, 113784), (196, 113910), (215, 114012),

Gene: Struggle_46 Start: 39833, Stop: 39273, Start Num: 92

Candidate Starts for Struggle_46:

(Start: 54 @39917 has 62 MA's), (Start: 58 @39911 has 3 MA's), (Start: 59 @39908 has 1 MA's),
(Start: 92 @39833 has 220 MA's), (115, 39764), (117, 39761), (119, 39758), (135, 39704), (201,
39491), (238, 39284),

Gene: Stubby_94 Start: 50013, Stop: 50645, Start Num: 75

Candidate Starts for Stubby_94:

(Start: 75 @50013 has 190 MA's), (187, 50352), (203, 50430), (224, 50538), (240, 50640),

Gene: StubbySaigey_104 Start: 50510, Stop: 51142, Start Num: 75

Candidate Starts for StubbySaigey_104:

(Start: 75 @50510 has 190 MA's), (187, 50849), (203, 50927), (224, 51035), (240, 51137),

Gene: Substance289_99 Start: 50612, Stop: 51244, Start Num: 75

Candidate Starts for Substance289_99:

(Start: 39 @50525 has 5 MA's), (Start: 75 @50612 has 190 MA's), (187, 50951), (203, 51029), (224,
51137), (240, 51239),

Gene: Suffolk_47 Start: 40282, Stop: 39722, Start Num: 92

Candidate Starts for Suffolk_47:

(Start: 54 @40366 has 62 MA's), (Start: 58 @40360 has 3 MA's), (Start: 59 @40357 has 1 MA's),
(Start: 92 @40282 has 220 MA's), (115, 40213), (117, 40210), (119, 40207), (135, 40153), (201,
39940), (238, 39733),

Gene: Suigeneris_46 Start: 40907, Stop: 40122, Start Num: 27

Candidate Starts for Suigeneris_46:

(Start: 27 @40907 has 12 MA's), (46, 40820), (Start: 73 @40745 has 10 MA's), (84, 40718), (121,
40619), (201, 40340), (205, 40325),

Gene: Sunny_ Start: 11517, Stop: 12002, Start Num: 109

Candidate Starts for Sunny_:

(Start: 109 @11517 has 2 MA's), (152, 11652), (172, 11685), (188, 11730), (198, 11772), (204, 11811),
(216, 11850), (225, 11907), (229, 11925), (235, 11982),

Gene: Surely_47 Start: 40288, Stop: 39728, Start Num: 92

Candidate Starts for Surely_47:

(Start: 54 @40372 has 62 MA's), (Start: 58 @40366 has 3 MA's), (Start: 59 @40363 has 1 MA's),
(Start: 92 @40288 has 220 MA's), (115, 40219), (117, 40216), (119, 40213), (178, 40048), (201,
39946), (238, 39739),

Gene: Suzy_37 Start: 32010, Stop: 32801, Start Num: 83

Candidate Starts for Suzy_37:

(Start: 83 @32010 has 8 MA's), (98, 32049), (161, 32268), (182, 32331), (199, 32397), (204, 32424),
(226, 32541), (241, 32646), (244, 32688), (245, 32745),

Gene: Swiphy_47 Start: 40283, Stop: 39723, Start Num: 92

Candidate Starts for Swiphy_47:

(Start: 54 @40367 has 62 MA's), (Start: 58 @40361 has 3 MA's), (Start: 59 @40358 has 1 MA's),
(Start: 92 @40283 has 220 MA's), (115, 40214), (117, 40211), (119, 40208), (178, 40043), (201,
39941), (238, 39734),

Gene: Swish_48 Start: 40406, Stop: 39846, Start Num: 92

Candidate Starts for Swish_48:

(Start: 54 @40490 has 62 MA's), (Start: 58 @40484 has 3 MA's), (Start: 59 @40481 has 1 MA's),
(Start: 92 @40406 has 220 MA's), (115, 40337), (117, 40334), (119, 40331), (135, 40277), (201,
40064),

Gene: TA17A_47 Start: 40683, Stop: 39919, Start Num: 25

Candidate Starts for TA17A_47:

(Start: 25 @40683 has 37 MA's), (34, 40641), (46, 40596), (69, 40539), (Start: 73 @40530 has 10
MA's), (74, 40527), (77, 40518), (110, 40431), (119, 40416), (141, 40332), (178, 40239), (193, 40188),
(201, 40137), (210, 40098),

Gene: Tainan_105 Start: 52316, Stop: 52948, Start Num: 75

Candidate Starts for Tainan_105:

(Start: 39 @52229 has 5 MA's), (Start: 75 @52316 has 190 MA's), (187, 52655), (203, 52733), (224,
52841), (240, 52943),

Gene: TallGrassMM_47 Start: 39985, Stop: 39347, Start Num: 54

Candidate Starts for TallGrassMM_47:

(Start: 54 @39985 has 62 MA's), (Start: 58 @39979 has 3 MA's), (Start: 59 @39976 has 1 MA's),
(Start: 92 @39901 has 220 MA's), (115, 39838), (117, 39835), (119, 39832), (135, 39778), (201,
39565), (217, 39499), (238, 39358),

Gene: Taraxa_47 Start: 39486, Stop: 38926, Start Num: 92

Candidate Starts for Taraxa_47:

(Start: 54 @39570 has 62 MA's), (Start: 58 @39564 has 3 MA's), (Start: 59 @39561 has 1 MA's),
(Start: 92 @39486 has 220 MA's), (117, 39414), (119, 39411), (135, 39357), (201, 39144), (238,
38937),

Gene: Teardrop_100 Start: 50317, Stop: 50949, Start Num: 75

Candidate Starts for Teardrop_100:

(Start: 39 @50230 has 5 MA's), (Start: 75 @50317 has 190 MA's), (187, 50656), (203, 50734), (224,
50842), (240, 50944),

Gene: Telesworld_46 Start: 39980, Stop: 39420, Start Num: 92

Candidate Starts for Telesworld_46:

(Start: 54 @40064 has 62 MA's), (Start: 58 @40058 has 3 MA's), (Start: 59 @40055 has 1 MA's),
(Start: 92 @39980 has 220 MA's), (115, 39911), (117, 39908), (119, 39905), (135, 39851), (178,
39740), (201, 39638), (238, 39431),

Gene: Terapin_38 Start: 31422, Stop: 32201, Start Num: 83

Candidate Starts for Terapin_38:

(Start: 83 @31422 has 8 MA's), (98, 31461), (161, 31680), (182, 31743), (199, 31809), (204, 31836),
(226, 31953), (241, 32058), (244, 32100),

Gene: Thales_63 Start: 57547, Stop: 58155, Start Num: 75

Candidate Starts for Thales_63:

(52, 57490), (Start: 75 @57547 has 190 MA's), (137, 57727), (142, 57754), (147, 57772), (164, 57808),
(169, 57820), (174, 57829), (197, 57907), (229, 58075),

Gene: Thora_47 Start: 40287, Stop: 39727, Start Num: 92

Candidate Starts for Thora_47:

(Start: 54 @40371 has 62 MA's), (Start: 58 @40365 has 3 MA's), (Start: 59 @40362 has 1 MA's),
(Start: 92 @40287 has 220 MA's), (115, 40218), (117, 40215), (119, 40212), (178, 40047), (201,
39945), (238, 39738),

Gene: ThreeOh3D2_48 Start: 40504, Stop: 39860, Start Num: 54

Candidate Starts for ThreeOh3D2_48:

(Start: 54 @40504 has 62 MA's), (Start: 58 @40498 has 3 MA's), (Start: 59 @40495 has 1 MA's),
(Start: 92 @40420 has 220 MA's), (115, 40351), (117, 40348), (119, 40345), (135, 40291), (201,
40078),

Gene: Thumb_41 Start: 37003, Stop: 37635, Start Num: 73

Candidate Starts for Thumb_41:

(Start: 73 @37003 has 10 MA's), (104, 37090), (106, 37099), (111, 37111), (Start: 120 @37132 has 6
MA's), (134, 37177), (173, 37291), (197, 37369), (198, 37378), (207, 37432), (215, 37471), (222,
37501), (229, 37549), (234, 37597), (238, 37621),

Gene: Thunderbird_46 Start: 40072, Stop: 39428, Start Num: 54

Candidate Starts for Thunderbird_46:

(Start: 54 @40072 has 62 MA's), (Start: 58 @40066 has 3 MA's), (Start: 59 @40063 has 1 MA's),
(Start: 92 @39988 has 220 MA's), (115, 39919), (117, 39916), (119, 39913), (135, 39859), (201,
39646), (238, 39439),

Gene: Timmi_46 Start: 39987, Stop: 39433, Start Num: 92

Candidate Starts for Timmi_46:

(Start: 54 @40071 has 62 MA's), (Start: 58 @40065 has 3 MA's), (Start: 59 @40062 has 1 MA's),
(Start: 92 @39987 has 220 MA's), (115, 39924), (117, 39921), (119, 39918), (135, 39864), (201,
39651), (217, 39585), (238, 39444),

Gene: Tinciduntolum_47 Start: 40827, Stop: 40057, Start Num: 25

Candidate Starts for Tinciduntolum_47:

(Start: 25 @40827 has 37 MA's), (46, 40734), (69, 40677), (Start: 73 @40668 has 10 MA's), (74,
40665), (77, 40656), (110, 40569), (119, 40554), (141, 40470), (178, 40377), (193, 40326), (201,
40275), (210, 40236),

Gene: TinyTim_101 Start: 51570, Stop: 52202, Start Num: 75

Candidate Starts for TinyTim_101:

(Start: 75 @51570 has 190 MA's), (187, 51909), (203, 51987), (224, 52095), (240, 52197),

Gene: TomBombadil_47 Start: 40272, Stop: 39718, Start Num: 92

Candidate Starts for TomBombadil_47:

(Start: 54 @40356 has 62 MA's), (Start: 58 @40350 has 3 MA's), (Start: 59 @40347 has 1 MA's),
(Start: 92 @40272 has 220 MA's), (115, 40209), (117, 40206), (119, 40203), (135, 40149), (201,
39936), (217, 39870), (238, 39729),

Gene: Tomlarah_47 Start: 40275, Stop: 39715, Start Num: 92

Candidate Starts for Tomlarah_47:

(Start: 54 @40359 has 62 MA's), (Start: 58 @40353 has 3 MA's), (Start: 59 @40350 has 1 MA's),
(Start: 92 @40275 has 220 MA's), (115, 40206), (117, 40203), (119, 40200), (135, 40146), (201,
39933), (238, 39726),

Gene: Tonenili_116 Start: 55317, Stop: 55949, Start Num: 75

Candidate Starts for Tonenili_116:

(38, 55221), (Start: 75 @55317 has 190 MA's), (187, 55656), (200, 55713), (203, 55734), (224, 55842),
(240, 55944),

Gene: Toni_46 Start: 39979, Stop: 39425, Start Num: 92

Candidate Starts for Toni_46:

(Start: 54 @40063 has 62 MA's), (Start: 58 @40057 has 3 MA's), (Start: 59 @40054 has 1 MA's),
(Start: 92 @39979 has 220 MA's), (115, 39916), (117, 39913), (119, 39910), (135, 39856), (201,
39643), (217, 39577), (238, 39436),

Gene: TooFast2Furius_48 Start: 40601, Stop: 39957, Start Num: 54

Candidate Starts for TooFast2Furius_48:

(Start: 54 @40601 has 62 MA's), (Start: 58 @40595 has 3 MA's), (Start: 59 @40592 has 1 MA's),
(Start: 92 @40517 has 220 MA's), (115, 40448), (117, 40445), (119, 40442), (135, 40388), (201,
40175), (238, 39968),

Gene: Tooj_47 Start: 40342, Stop: 39782, Start Num: 92

Candidate Starts for Tooj_47:

(Start: 54 @40426 has 62 MA's), (Start: 58 @40420 has 3 MA's), (Start: 59 @40417 has 1 MA's),
(Start: 92 @40342 has 220 MA's), (115, 40273), (117, 40270), (119, 40267), (135, 40213), (178,
40102), (201, 40000), (238, 39793),

Gene: Tortoise16_98 Start: 50918, Stop: 51550, Start Num: 75

Candidate Starts for Tortoise16_98:

(Start: 39 @50831 has 5 MA's), (Start: 75 @50918 has 190 MA's), (187, 51257), (203, 51335), (224,
51443), (240, 51545),

Gene: TraderJ_42 Start: 35883, Stop: 35308, Start Num: 75

Candidate Starts for TraderJ_42:

(Start: 75 @35883 has 190 MA's), (98, 35844), (137, 35733), (149, 35694), (191, 35571), (195, 35559),
(197, 35550), (204, 35508), (205, 35505), (206, 35502), (207, 35493),

Gene: Tres_46 Start: 40696, Stop: 39932, Start Num: 25

Candidate Starts for Tres_46:

(Start: 25 @40696 has 37 MA's), (46, 40609), (69, 40552), (Start: 73 @40543 has 10 MA's), (74,
40540), (77, 40531), (110, 40444), (119, 40429), (141, 40345), (178, 40252), (193, 40201), (201,
40150), (210, 40111),

Gene: Triad_47 Start: 39230, Stop: 38586, Start Num: 54

Candidate Starts for Triad_47:

(Start: 54 @39230 has 62 MA's), (Start: 58 @39224 has 3 MA's), (Start: 59 @39221 has 1 MA's),
(Start: 92 @39146 has 220 MA's), (115, 39077), (117, 39074), (119, 39071), (135, 39017), (178,
38906), (201, 38804), (238, 38597),

Gene: Trine_54 Start: 39655, Stop: 38969, Start Num: 42

Candidate Starts for Trine_54:

(12, 39847), (17, 39799), (37, 39667), (Start: 42 @39655 has 1 MA's), (43, 39652), (65, 39583), (97,
39514), (118, 39448), (Start: 124 @39433 has 1 MA's), (133, 39394), (135, 39391), (155, 39310), (193,
39235), (197, 39220), (238, 38980),

Gene: Trinitium_98 Start: 50276, Stop: 50908, Start Num: 75

Candidate Starts for Trinitium_98:

(Start: 75 @50276 has 190 MA's), (187, 50615), (203, 50693), (224, 50801), (240, 50903),

Gene: True_46 Start: 39985, Stop: 39425, Start Num: 92

Candidate Starts for True_46:

(Start: 54 @40069 has 62 MA's), (Start: 58 @40063 has 3 MA's), (Start: 59 @40060 has 1 MA's),
(Start: 92 @39985 has 220 MA's), (115, 39916), (117, 39913), (119, 39910), (178, 39745), (201,

39643), (238, 39436),

Gene: Trypo_48 Start: 40500, Stop: 39856, Start Num: 54

Candidate Starts for Trypo_48:

(Start: 54 @40500 has 62 MA's), (Start: 58 @40494 has 3 MA's), (Start: 59 @40491 has 1 MA's),
(Start: 92 @40416 has 220 MA's), (115, 40347), (117, 40344), (119, 40341), (135, 40287), (201,
40074),

Gene: Turret_96 Start: 49715, Stop: 50353, Start Num: 75

Candidate Starts for Turret_96:

(Start: 75 @49715 has 190 MA's), (187, 50060), (203, 50138), (224, 50246), (240, 50348),

Gene: Tyke_102 Start: 52459, Stop: 53091, Start Num: 75

Candidate Starts for Tyke_102:

(Start: 39 @52372 has 5 MA's), (Start: 75 @52459 has 190 MA's), (187, 52798), (203, 52876), (224,
52984), (240, 53086),

Gene: TyrionL_46 Start: 39841, Stop: 39281, Start Num: 92

Candidate Starts for TyrionL_46:

(Start: 54 @39925 has 62 MA's), (Start: 58 @39919 has 3 MA's), (Start: 59 @39916 has 1 MA's),
(Start: 92 @39841 has 220 MA's), (115, 39772), (117, 39769), (119, 39766), (178, 39601), (201,
39499), (238, 39292),

Gene: UAch1_47 Start: 40294, Stop: 39734, Start Num: 92

Candidate Starts for UAch1_47:

(Start: 54 @40378 has 62 MA's), (Start: 58 @40372 has 3 MA's), (Start: 59 @40369 has 1 MA's),
(Start: 92 @40294 has 220 MA's), (115, 40225), (117, 40222), (119, 40219), (178, 40054), (201,
39952), (238, 39745),

Gene: UncleHowie_47 Start: 40068, Stop: 39424, Start Num: 54

Candidate Starts for UncleHowie_47:

(Start: 54 @40068 has 62 MA's), (Start: 58 @40062 has 3 MA's), (Start: 59 @40059 has 1 MA's),
(Start: 92 @39984 has 220 MA's), (115, 39915), (117, 39912), (119, 39909), (178, 39744), (201,
39642), (238, 39435),

Gene: Usavi_47 Start: 40282, Stop: 39722, Start Num: 92

Candidate Starts for Usavi_47:

(Start: 92 @40282 has 220 MA's), (115, 40213), (117, 40210), (119, 40207), (135, 40153), (201,
39940), (238, 39733),

Gene: Vaishali24_46 Start: 40027, Stop: 39383, Start Num: 54

Candidate Starts for Vaishali24_46:

(Start: 54 @40027 has 62 MA's), (Start: 58 @40021 has 3 MA's), (Start: 59 @40018 has 1 MA's),
(Start: 92 @39943 has 220 MA's), (115, 39874), (117, 39871), (119, 39868), (135, 39814), (178,
39703), (201, 39601), (238, 39394),

Gene: Valjean_47 Start: 40280, Stop: 39720, Start Num: 92

Candidate Starts for Valjean_47:

(Start: 54 @40364 has 62 MA's), (Start: 58 @40358 has 3 MA's), (Start: 59 @40355 has 1 MA's),
(Start: 92 @40280 has 220 MA's), (115, 40211), (117, 40208), (119, 40205), (135, 40151), (201,
39938), (238, 39731),

Gene: ValleyTerrace_101 Start: 50338, Stop: 50970, Start Num: 75

Candidate Starts for ValleyTerrace_101:

(Start: 39 @50251 has 5 MA's), (Start: 75 @50338 has 190 MA's), (187, 50677), (203, 50755), (224, 50863), (240, 50965),

Gene: Vaticameos_43 Start: 38050, Stop: 37412, Start Num: 54

Candidate Starts for Vaticameos_43:

(Start: 54 @38050 has 62 MA's), (Start: 58 @38044 has 3 MA's), (Start: 59 @38041 has 1 MA's), (Start: 92 @37966 has 220 MA's), (115, 37903), (117, 37900), (119, 37897), (135, 37843), (201, 37630), (217, 37564), (238, 37423),

Gene: Veritas_46 Start: 39847, Stop: 39287, Start Num: 92

Candidate Starts for Veritas_46:

(Start: 54 @39931 has 62 MA's), (Start: 58 @39925 has 3 MA's), (Start: 59 @39922 has 1 MA's), (Start: 92 @39847 has 220 MA's), (117, 39775), (119, 39772), (135, 39718), (178, 39607), (201, 39505), (238, 39298),

Gene: Vic9_00045 Start: 41205, Stop: 40438, Start Num: 25

Candidate Starts for Vic9_00045:

(Start: 25 @41205 has 37 MA's), (46, 41115), (69, 41058), (Start: 73 @41049 has 10 MA's), (74, 41046), (77, 41037), (110, 40950), (119, 40935), (141, 40851), (193, 40707), (201, 40656), (210, 40617),

Gene: Vincenzo_43 Start: 41068, Stop: 40448, Start Num: 67

Candidate Starts for Vincenzo_43:

(Start: 67 @41068 has 2 MA's), (114, 40942), (126, 40909), (133, 40882), (140, 40849), (176, 40774), (178, 40768), (197, 40702), (212, 40621), (230, 40528), (238, 40459),

Gene: VioletZ_44 Start: 40524, Stop: 39766, Start Num: 33

Candidate Starts for VioletZ_44:

(Start: 33 @40524 has 26 MA's), (48, 40455), (90, 40347), (100, 40317), (117, 40269), (123, 40257), (136, 40212), (171, 40101), (178, 40086), (201, 39984), (212, 39939), (217, 39918), (220, 39900), (235, 39792),

Gene: Virapocalypse_47 Start: 40275, Stop: 39715, Start Num: 92

Candidate Starts for Virapocalypse_47:

(Start: 54 @40359 has 62 MA's), (Start: 58 @40353 has 3 MA's), (Start: 59 @40350 has 1 MA's), (Start: 92 @40275 has 220 MA's), (115, 40206), (117, 40203), (119, 40200), (178, 40035), (201, 39933), (238, 39726),

Gene: Virgeve_46 Start: 40052, Stop: 39492, Start Num: 92

Candidate Starts for Virgeve_46:

(Start: 54 @40136 has 62 MA's), (Start: 58 @40130 has 3 MA's), (Start: 59 @40127 has 1 MA's), (Start: 92 @40052 has 220 MA's), (115, 39983), (117, 39980), (119, 39977), (135, 39923), (201, 39710), (238, 39503),

Gene: Vista_47 Start: 40363, Stop: 39725, Start Num: 58

Candidate Starts for Vista_47:

(Start: 54 @40369 has 62 MA's), (Start: 58 @40363 has 3 MA's), (Start: 59 @40360 has 1 MA's), (Start: 92 @40285 has 220 MA's), (115, 40216), (117, 40213), (119, 40210), (178, 40045), (201, 39943), (238, 39736),

Gene: Vivaldi_47 Start: 40389, Stop: 39751, Start Num: 58

Candidate Starts for Vivaldi_47:

(31, 40509), (52, 40404), (Start: 58 @40389 has 3 MA's), (Start: 59 @40386 has 1 MA's), (Start: 92 @40311 has 220 MA's), (115, 40242), (117, 40239), (119, 40236), (178, 40071), (201, 39969), (238, 39762),

Gene: Vortex_47 Start: 40066, Stop: 39428, Start Num: 54

Candidate Starts for Vortex_47:

(Start: 54 @40066 has 62 MA's), (Start: 58 @40060 has 3 MA's), (Start: 59 @40057 has 1 MA's), (Start: 92 @39982 has 220 MA's), (115, 39919), (117, 39916), (119, 39913), (135, 39859), (201, 39646), (217, 39580), (238, 39439),

Gene: Vortrix_115 Start: 54635, Stop: 55267, Start Num: 75

Candidate Starts for Vortrix_115:

(38, 54539), (Start: 75 @54635 has 190 MA's), (187, 54974), (203, 55052), (224, 55160), (240, 55262),

Gene: Waleliano_42 Start: 40448, Stop: 39693, Start Num: 33

Candidate Starts for Waleliano_42:

(Start: 33 @40448 has 26 MA's), (48, 40382), (90, 40274), (100, 40244), (117, 40196), (123, 40184), (171, 40028), (178, 40013), (186, 39980), (201, 39911), (212, 39866), (220, 39827), (235, 39719),

Gene: Wallhey_46 Start: 39845, Stop: 39285, Start Num: 92

Candidate Starts for Wallhey_46:

(Start: 54 @39929 has 62 MA's), (Start: 58 @39923 has 3 MA's), (Start: 59 @39920 has 1 MA's), (Start: 92 @39845 has 220 MA's), (115, 39776), (117, 39773), (119, 39770), (178, 39605), (201, 39503), (238, 39296),

Gene: Wally_100 Start: 50348, Stop: 50980, Start Num: 75

Candidate Starts for Wally_100:

(Start: 75 @50348 has 190 MA's), (187, 50687), (203, 50765), (224, 50873), (240, 50975),

Gene: Waterdiva_47 Start: 40361, Stop: 39717, Start Num: 54

Candidate Starts for Waterdiva_47:

(Start: 54 @40361 has 62 MA's), (Start: 58 @40355 has 3 MA's), (Start: 59 @40352 has 1 MA's), (Start: 92 @40277 has 220 MA's), (115, 40208), (117, 40205), (119, 40202), (135, 40148), (201, 39935), (238, 39728),

Gene: Weher20_47 Start: 40276, Stop: 39716, Start Num: 92

Candidate Starts for Weher20_47:

(Start: 54 @40360 has 62 MA's), (Start: 58 @40354 has 3 MA's), (Start: 59 @40351 has 1 MA's), (Start: 92 @40276 has 220 MA's), (115, 40207), (117, 40204), (119, 40201), (135, 40147), (178, 40036), (201, 39934), (238, 39727),

Gene: West99_46 Start: 40816, Stop: 40052, Start Num: 25

Candidate Starts for West99_46:

(Start: 25 @40816 has 37 MA's), (46, 40729), (69, 40672), (Start: 73 @40663 has 10 MA's), (74, 40660), (77, 40651), (110, 40564), (119, 40549), (141, 40465), (178, 40372), (193, 40321), (201, 40270), (210, 40231),

Gene: Westy_258 Start: 124515, Stop: 124988, Start Num: 120

Candidate Starts for Westy_258:

(112, 124497), (Start: 120 @124515 has 6 MA's), (164, 124641), (166, 124644), (179, 124677), (198, 124752), (203, 124788), (204, 124791), (218, 124845), (222, 124863), (231, 124929), (235, 124968),

Gene: Widow_49 Start: 37464, Stop: 36880, Start Num: 78

Candidate Starts for Widow_49:

(40, 37569), (50, 37536), (72, 37476), (Start: 78 @37464 has 2 MA's), (82, 37455), (Start: 124 @37359 has 1 MA's), (153, 37254), (167, 37203), (223, 36993), (235, 36900),

Gene: Willis_102 Start: 51699, Stop: 52337, Start Num: 75

Candidate Starts for Willis_102:

(Start: 75 @51699 has 190 MA's), (187, 52044), (224, 52230), (240, 52332),

Gene: Windsor_46 Start: 39981, Stop: 39421, Start Num: 92

Candidate Starts for Windsor_46:

(Start: 54 @40065 has 62 MA's), (Start: 58 @40059 has 3 MA's), (Start: 59 @40056 has 1 MA's), (Start: 92 @39981 has 220 MA's), (115, 39912), (117, 39909), (119, 39906), (135, 39852), (201, 39639), (238, 39432),

Gene: Wooper_42 Start: 35889, Stop: 35314, Start Num: 75

Candidate Starts for Wooper_42:

(Start: 75 @35889 has 190 MA's), (98, 35850), (137, 35739), (149, 35700), (191, 35577), (195, 35565), (197, 35556), (204, 35514), (205, 35511), (206, 35508), (207, 35499),

Gene: Xavier_46 Start: 40073, Stop: 39435, Start Num: 54

Candidate Starts for Xavier_46:

(Start: 54 @40073 has 62 MA's), (Start: 58 @40067 has 3 MA's), (Start: 59 @40064 has 1 MA's), (Start: 92 @39989 has 220 MA's), (115, 39926), (117, 39923), (119, 39920), (135, 39866), (201, 39653), (217, 39587), (238, 39446),

Gene: Xincheng_41 Start: 39884, Stop: 39150, Start Num: 33

Candidate Starts for Xincheng_41:

(Start: 33 @39884 has 26 MA's), (90, 39710), (100, 39680), (117, 39632), (123, 39620), (145, 39530), (176, 39476), (178, 39470), (201, 39368), (212, 39323), (220, 39284),

Gene: Yago84_40 Start: 34890, Stop: 34180, Start Num: 36

Candidate Starts for Yago84_40:

(Start: 36 @34890 has 13 MA's), (116, 34692), (141, 34599), (178, 34494), (201, 34392), (205, 34377), (215, 34329),

Gene: Yassified_98 Start: 50425, Stop: 51057, Start Num: 75

Candidate Starts for Yassified_98:

(Start: 75 @50425 has 190 MA's), (187, 50764), (203, 50842), (224, 50950), (240, 51052),

Gene: YemiJoy2021_102 Start: 51801, Stop: 52439, Start Num: 75

Candidate Starts for YemiJoy2021_102:

(Start: 75 @51801 has 190 MA's), (187, 52146), (203, 52224), (224, 52332), (240, 52434),

Gene: Yeshua_42 Start: 35866, Stop: 35291, Start Num: 75

Candidate Starts for Yeshua_42:

(Start: 75 @35866 has 190 MA's), (98, 35827), (137, 35716), (149, 35677), (191, 35554), (195, 35542), (197, 35533), (204, 35491), (205, 35488), (206, 35485), (207, 35476),

Gene: Yoshand_48 Start: 40419, Stop: 39859, Start Num: 92

Candidate Starts for Yoshand_48:

(Start: 54 @40503 has 62 MA's), (Start: 58 @40497 has 3 MA's), (Start: 59 @40494 has 1 MA's), (Start: 92 @40419 has 220 MA's), (115, 40350), (117, 40347), (119, 40344), (135, 40290), (201, 40077),

Gene: YouGoGlencoco_47 Start: 40279, Stop: 39719, Start Num: 92

Candidate Starts for YouGoGlencoco_47:

(Start: 54 @40363 has 62 MA's), (Start: 58 @40357 has 3 MA's), (Start: 59 @40354 has 1 MA's),
(Start: 92 @40279 has 220 MA's), (115, 40210), (117, 40207), (119, 40204), (178, 40039), (201,
39937), (238, 39730),

Gene: YoungMoneyMata_102 Start: 50971, Stop: 51603, Start Num: 75

Candidate Starts for YoungMoneyMata_102:

(Start: 75 @50971 has 190 MA's), (187, 51310), (203, 51388), (224, 51496), (240, 51598),

Gene: Yucca_101 Start: 51489, Stop: 52121, Start Num: 75

Candidate Starts for Yucca_101:

(Start: 75 @51489 has 190 MA's), (187, 51828), (203, 51906), (224, 52014), (240, 52116),

Gene: Zaider_48 Start: 40509, Stop: 39949, Start Num: 92

Candidate Starts for Zaider_48:

(Start: 54 @40593 has 62 MA's), (Start: 58 @40587 has 3 MA's), (Start: 59 @40584 has 1 MA's),
(Start: 92 @40509 has 220 MA's), (115, 40440), (117, 40437), (119, 40434), (178, 40269), (201,
40167), (238, 39960),

Gene: Zalkecks_102 Start: 51490, Stop: 52122, Start Num: 75

Candidate Starts for Zalkecks_102:

(Start: 75 @51490 has 190 MA's), (187, 51829), (203, 51907), (224, 52015), (240, 52117),

Gene: Zeenon_103 Start: 51575, Stop: 52207, Start Num: 75

Candidate Starts for Zeenon_103:

(Start: 75 @51575 has 190 MA's), (187, 51914), (203, 51992), (224, 52100), (240, 52202),

Gene: Zelda_47 Start: 40326, Stop: 39766, Start Num: 92

Candidate Starts for Zelda_47:

(Start: 54 @40410 has 62 MA's), (Start: 58 @40404 has 3 MA's), (Start: 59 @40401 has 1 MA's),
(Start: 92 @40326 has 220 MA's), (115, 40257), (117, 40254), (119, 40251), (178, 40086), (201,
39984), (238, 39777),

Gene: Zemanar_43 Start: 40424, Stop: 39696, Start Num: 33

Candidate Starts for Zemanar_43:

(Start: 33 @40424 has 26 MA's), (90, 40256), (100, 40226), (101, 40223), (117, 40178), (123, 40166),
(176, 40022), (178, 40016), (201, 39914), (212, 39869), (220, 39830), (235, 39722),

Gene: Zenteno07_50 Start: 39868, Stop: 39071, Start Num: 27

Candidate Starts for Zenteno07_50:

(21, 39898), (Start: 27 @39868 has 12 MA's), (44, 39763), (46, 39757), (69, 39694), (Start: 83 @39661
has 8 MA's), (84, 39658), (94, 39634), (148, 39448), (178, 39391), (201, 39286), (210, 39247),

Gene: Zonia_47 Start: 40296, Stop: 39736, Start Num: 92

Candidate Starts for Zonia_47:

(Start: 54 @40380 has 62 MA's), (Start: 58 @40374 has 3 MA's), (Start: 59 @40371 has 1 MA's),
(Start: 92 @40296 has 220 MA's), (115, 40227), (117, 40224), (119, 40221), (178, 40056), (201,
39954), (238, 39747),

Gene: ZygoTaiga_100 Start: 52729, Stop: 53367, Start Num: 75

Candidate Starts for ZygoTaiga_100:

(Start: 75 @52729 has 190 MA's), (187, 53074), (203, 53152), (224, 53260), (240, 53362),