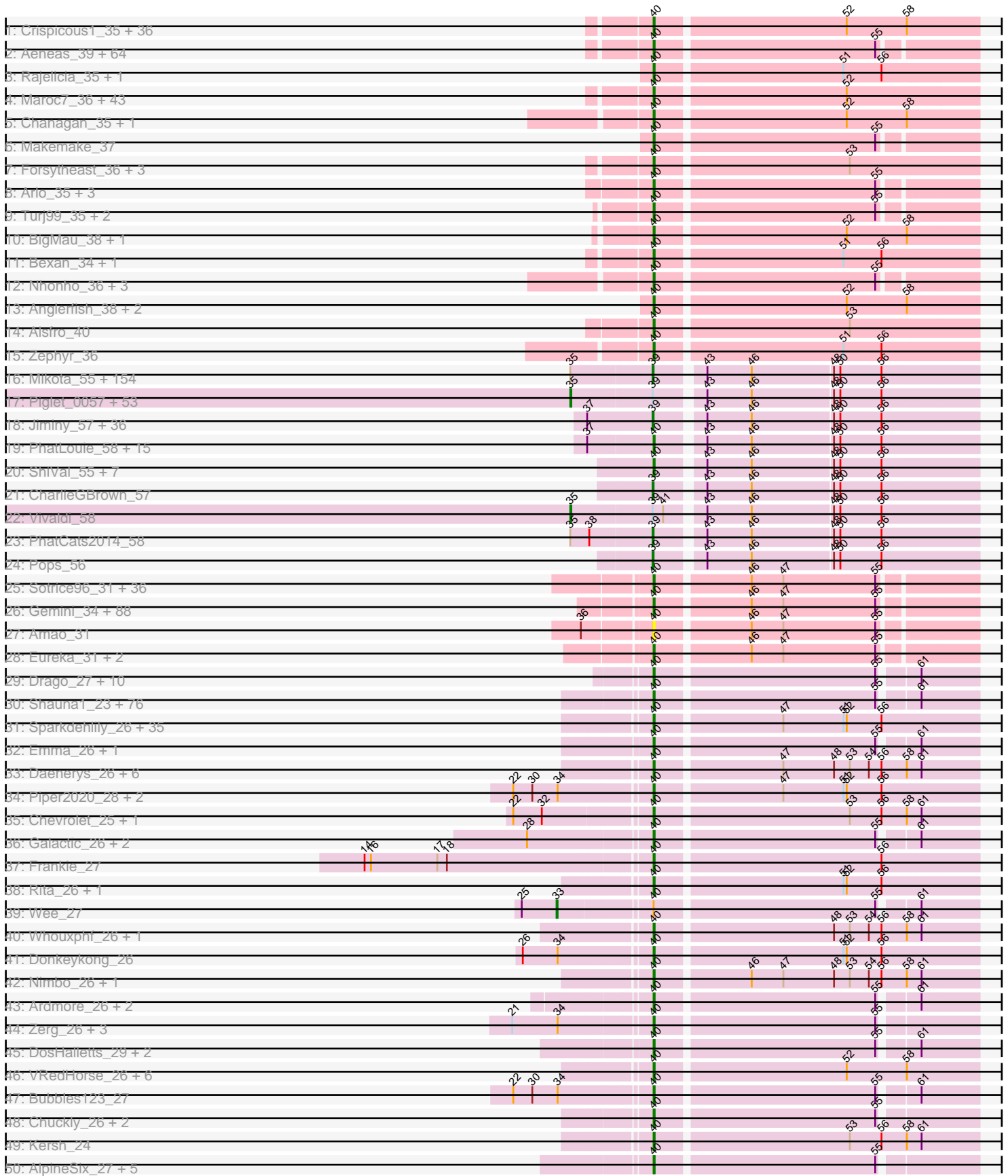
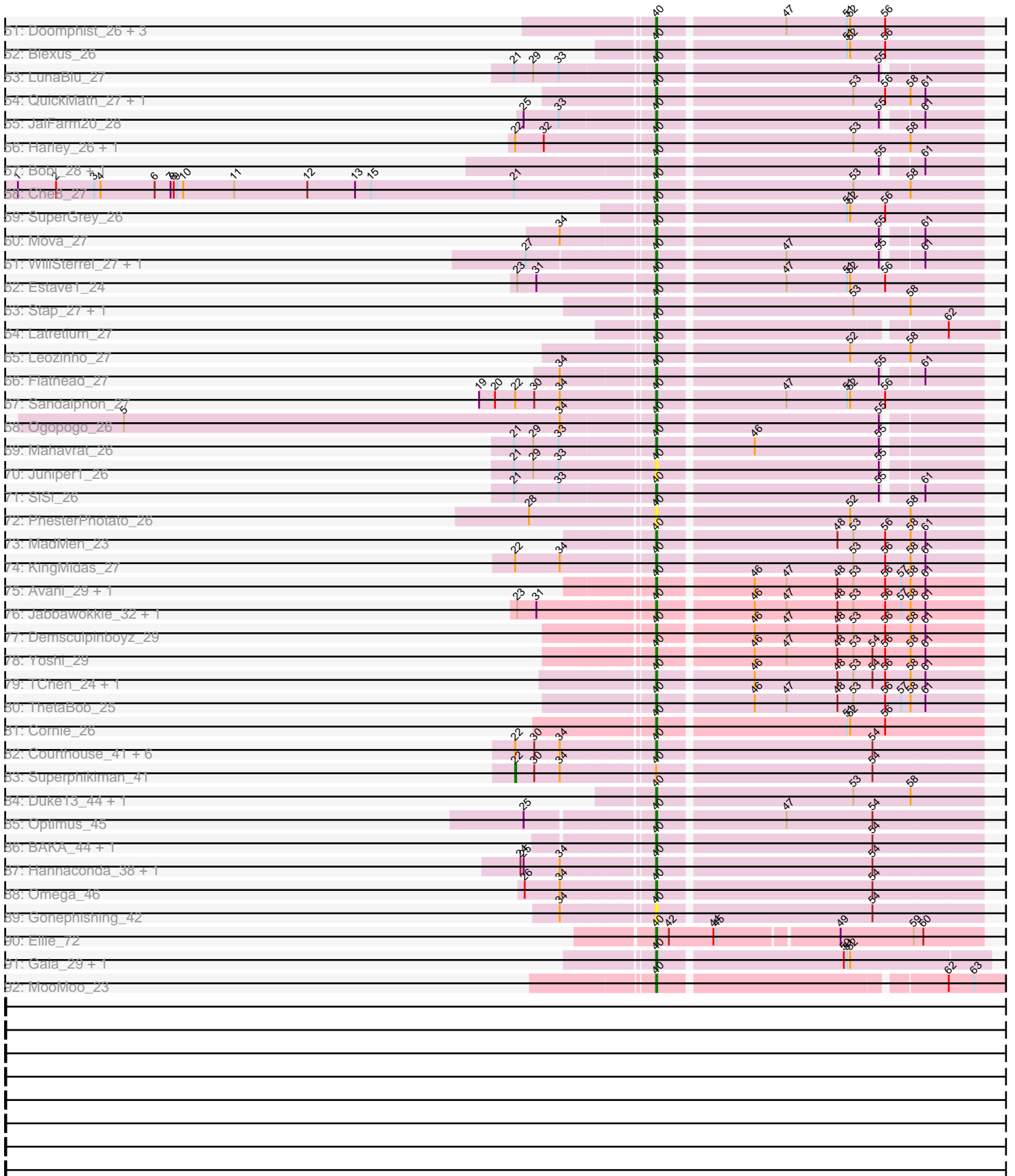


Pham 163226



Pham 163226



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 163226 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163226 has 820 members, 70 are drafts.

Phages represented in each track:

- Track 1 : Crispicous1_35, Bethlehem_36, Tasp14_37, Scowl_36, Pippin_38, Museum_38, Violet_35, Paphu_35, DrFeelGood_35, Dreamboat_37, Ichabod_37, KyMonks1A_39, Big3_36, Greg_38, Acme_39, Lamina13_36, MrGordo_36, Fajezeel_38, TheloniousMonk_38, Papez_38, Michley_36, PinkPlastic_35, Beatrix_36, Parliament_35, Jasper_37, Gwendoluna_40, ILeeKay_38, Alvin_37, Licorice_38, Sumter_35, Burton_37, Zeeculate_36, Hermia_39, Teodoridan_34, BPBiabs31_37, Jorgensen_36, Norz_38
- Track 2 : Aeneas_39, PhrostyMug_37, Zeuska_37, Ringer_37, Petruchio_37, Lesedi_35, Sandaddy_36, DD5_37, KBG_37, Rufus_38, Traft412_38, QTRLifeCrisis_40, Abrogate_370, Lockley_37, JackSparrow_37, Ashballer_38, Rhynn_36, McGuire_37, Sagefire_38, BillKnuckles_37, Perseus_38, GrecoEtereo_38, Sunshine924_38, Nerujay_37, Espresso_36, U2_36, Atkinbua_38, Dulcie_35, Ohno789_36, Sibs6_37, Bxb1_34, AFIS_36, Euphoria_36, Manatee_37, Sorpresa_35, MetalQZJ_36, SpikeBT_38, Briton15_38, Mryolo_34, Paraselene_35, Bircsak_36, Kenmech_39, Gompeii16_36, Brunns_35, MaryBeth_36, Edtherson_37, STLscum_37, Solon_36, Blue_36, Switzer_37, Trouble_37, Watermelon_38, Rutherferd_38, Marge_37, PherrisBueller_37, BaconJack_39, Monet_38, Smeagol_38, Pari_37, Hope4ever_36, SkiPole_39, NEHalo_36, Magnar_36, Niza_39, Treddle_38
- Track 3 : Rajelicia_35, TwoPeat_36
- Track 4 : Maroc7_36, Marchy_30, PascalRango_37, Gandalf20_37, Bones_36, RidgeCB_36, Adahisdi_37, DreamCatcher_39, Ciao_36, Kugel_37, Tripl3t_37, Ajay_37, Swole_38, Eyeball_36, KSSJEB_36, SarFire_36, JuliaChild_38, Seabiscuit_38, Bob3_35, Oogway_35, Fenn_37, Squee_37, Francis47_36, Petp2012_38, Marcell_36, Thor_36, Pita2_38, Ruotula_36, Lopton_37, BeesKnees_37, PattyP_38, PacerPaul_37, Seanderson_37, Cueyllyss_36, Payneful_35, PSullivan_35, Dussy_37, HermioneGrange_36, Molly_38, Naira_37, Graduation_38, Dynamix_37, Abbyshoes_38, MPlant7149_36
- Track 5 : Chanagan_35, Killigrew_34
- Track 6 : Makemake_37
- Track 7 : Forsytheast_36, Corvo_37, SwissCheese_38, Moose_36
- Track 8 : Arlo_35, Kanely_37, ConceptII_38, Altman_38
- Track 9 : Turj99_35, Jerm2_37, Magnito_35
- Track 10 : BigMau_38, Rohr_37
- Track 11 : Bexan_34, StrongArm_35
- Track 12 : Nhonho_36, Wheeler_37, Marsha_36, Barriga_36
- Track 13 : Anglerfish_38, Slagathor_37, Snazzy_35

- Track 14 : Alsfro_40
- Track 15 : Zephyr_36
- Track 16 : Mikota_55, JakeO_57, Hartsy_57, HighStump_59, Frankicide_56, Fozzie_56, Apizium_56, CamL_57, Mosaic_56, Grand2040_57, BlueHusk_58, Altwerkus_55, KlimbOn_56, Fringe_61, MRabcd_56, Windsor_57, LeiMonet_59, Sophia_56, Skippy_58, Daka_59, Dati_57, Eugenia_57, YouGoGlencoco_58, Mutante_57, CampRoach_58, Crownjwl_57, HSavage_56, Placalicious_57, Cosmolli16_58, Cornobble_56, DirtJuice_58, Haimas_56, Carthage_55, Pherdinand_58, Tooj_55, Aelin_56, Dione_55, Orwigg_58, Orfeu_56, Surely_57, Etaye_57, Chorkpop_57, Melc17_57, CheetO_56, Morty_58, Childish_57, Morgushi_57, ABU_58, DuchessDung_58, Prickles_58, Bishoperium_57, Bluephacebaby_57, Horchata_56, KingTut_49, Weher20_57, JDog_57, Timmi_56, Solosis_56, DoesntMatter_55, Maru_57, Inchworm_59, Riggan_58, AbsoluteMadLad_56, SDcharge11_56, Fang_58, BlackStallion_58, Swish_58, Jillium_57, Quisquiliae_58, Nicole21_58, FugateOSU_57, Kikipoo_58, Freya_55, Schadenfreude_56, Lopsy_54, Andre_60, UncleHowie_56, Ricotta_57, LostAndPhound_57, AltPhacts_56, ProfessorX_56, Potter_56, Slatt_58, Gophee_58, QueenBeane_57, Olak_57, Roscoe_57, Dingo_55, LeeLot_57, Phipps_57, PinheadLarry_58, Chunky_55, OSmaximus_58, Mesh1_58, Longacauda_58, Mecca_57, Oosterbaan_57, Basato_57, TomBombadil_57, Matalotodo_56, Legolas_59, Badfish_58, Chah_59, LemonSlice_58, Katniss_58, Serendipity_57, Zelda_57, PhrodoBaggins_58, Kwadwo_56, Cannibal_57, Buckeye_56, Adriana_58, Soto_55, Thora_57, Sheila_55, LasagnaCat_58, Samaymay_57, Scrick_58, Haleema_56, Puhltonio_57, LuckyMarjie_55, Eremos_56, Pacifista_59, Dice_59, Orion_58, Chaelin_58, Sigman_58, Scoot17C_58, Telesworld_55, Megamind20_58, SassyCat97_56, Vortex_57, Veritas_58, RedMaple_58, Usavi_57, MiniBoss_55, Phunky_56, Kimbrough_58, IsaacEli_58, Murdoc_56, Squiggle_58, Lulwa_55, Iridoclysis_58, Giraffe_58, Vaishali24_55, Roliet_55, FluffyNinja_58, Harvey_56, Colbert_55, Yoshand_58, KingVeVeVe_55, OliverWalter_56, Robyn_56, Tomlarah_58, PG1_58
- Track 17 : Piglet_0057, Suffolk_55, ThreeOh3D2_58, Kahve_57, TallGrassMM_57, Toni_56, Hetaeria_56, Newman_56, Burr_57, Squid_57, Daffy_57, Antonia_56, Serpentine_0057, Mulan_57, Nacho_0058, MitKao_57, True_56, Vista_56, Mcshane_56, UAch1_56, Pipsqueak_56, Gareth_57, Banjo_56, Manad_56, Waterdiva_57, KLucky39_55, Selr12_59, Lasso_57, Mana_56, Lego3393_56, Vaticameos_54, Lumine_58, Anderson_58, Phareon_56, Hertubise_57, Inverness_56, Magic8_58, Roy17_56, Podrick_55, Beaglebox_57, Gwilliam_59, Lulumae_55, Cher_57, Megatron_58, Cobra_58, Xavier_56, Held_57, HenryJackson_57, Gyarad_0055, JacAttac_58, Phamished_58, Nyala_56, Craff_60, DonSanchon_55
- Track 18 : Jiminy_57, Durga_59, ImtiyazSitla_58, Jiraiya_60, Trypo_59, Phergie_58, BatteryCK_57, Labeouficaum_57, Derpp_56, Phleuron_57, Doddsville_57, Rimu_60, Virapocalypse_58, Hocus_57, MrPhizzler_58, MichaelPhcott_57, PhenghisKhan_57, JangoPhett_57, Zonia_58, PhrankReynolds_56, Oline_57, Wallhey_57, Mag7_57, DaddyDaniels_59, Ashraf_58, Duggie_57, Kailash_57, Schueller_58, Pinkman_56, MelsMeow_57, Thunderbird_57, TyrionL_57, GeneCoco_57, Kwksand96_57, Maskar_58, Emiris_59, Struggle_57
- Track 19 : PhatLouie_58, Coletti_57, Kloppinator_57, Keitherie_58, Virgeve_56, Soile_58, Hamish_56, DelRivs_56, Chute_57, Swiphy_59, Brilliant_59, Charles1_58, Omniscient_58, Plmatters_56, Simielle_56, Numberten_56
- Track 20 : ShiVal_55, Spartan300_56, Boehler_56, Olive_56, Valjean_56, FriarPreacher_56, EmpTee_56, Zaider_57
- Track 21 : CharlieGBrown_57

- Track 22 : Vivaldi_58
- Track 23 : PhatCats2014_58
- Track 24 : Pops_56
- Track 25 : Sotrice96_31, Gator_29, Rakim_32, SirDuracell_30, Kostya_32, TeardropMSU_30, Phaja_31, Flypotenuse_29, Asriel_30, BilboSwaggins_31, Myrale_31, Harella_30, Cactus_32, Youngblood_31, Traaww1_29, Pat3_30, Glexan_29, IHOP_31, Command613_32, Balomoji_30, Icee_30, BadStone_30, Bask21_31, Tuco_32, NelitzaMV_31, CrystalP_31, Mindy_31, Henry_32, ABCat_30, Nala_31, Daikon_30, Marshmallow_31, ShamWow_31, Barbarian_30, Dusk_30, Filch_32, Toto_31
- Track 26 : Gemini_34, Maxxinista_32, Moldemort_32, Tarkin_33, Gage_33, Pharsalus_32, HuffyPuff_30, Petra64142_33, FireRed_31, StellaBean_31, Quallification_32, Tomaszewski_30, Rimmer_30, Kanye_33, Emmina_32, GoldenSpark_33, Thresher_32, Sassay_30, 244_33, JeTaime_33, Lilpickle_30, HanKaySha_32, Argent26_33, MISSy_30, Nimrod_31, Dumbo_31, MadamMonkfish_31, Manda_32, Ukulele_31, Bench_33, YassJohnny_32, SophKB_31, Murphy_32, Adnama_34, GooberAzure_33, Hopey_33, Miniwave_31, PhatBacter_31, MPhalcon_30, BaboJay_30, Saints25_32, Kimchi_33, Stank_34, ShereKhan_33, Easy2Say_33, StolenFromERC_33, ChotaBhai_31, Palpatine_31, Lilac_33, Contagion_30, Hoonter_33, Mosby_30, Phaux_30, Czystczon1_32, RiverMonster_31, BigBubba_32, Simpliphy_32, AmericanBeauty_34, Terminus_31, Goldilocks_32, Stark_32, Phrux_31, Elite2014_30, Cjw1_31, Misfit_31, BugsBunny_29, Wiggin_34, ChosenOne_31, DoctorDiddles_31, Bruin_31, Xandras_33, Willez_30, DrDrey_32, Paperbeatsrock_33, Holt_32, Elph10_32, TBrady12_33, Cookies_31, Porky_31, Pumpkin_33, Teaspoon_32, Buck_30, Highbury_32, xkcd_32, NoSleep_32, Lilizi_33, OrionPax_32, Murica_30, Inca_30
- Track 27 : Amao_31
- Track 28 : Eureka_31, Goku_31, Policronamos_32
- Track 29 : Drago_27, Geralt_26, Lorde_27, Rockne_26, Phatniss_27, Whatsapiecost_26, PMC_26, ShroomBoi_23, Deb65_26, Llij_26, UncleRicky_29
- Track 30 : Shauna1_23, ByChance_26, Enby_27, Alexphander_28, BodEinwohner17_26, Mandlovu_26, Fancypants_26, Kingsley_24, Coco12_25, Taj_26, Ramsey_27, Kenuha5_23, SG4_26, EleanorGeorge_26, Byougenkin_26, Tootsieroll_27, Fruitloop_26, CaptainTrips_27, Polka14_27, Filuzino_26, XFactor_26, Eish_26, Lizziana_26, Firehouse51_27, MilleniumForce_27, Hlubikazi_26, SassyB_26, Nitzel_27, Ovechkin_26, Quico_27, DocMcStuffins_27, Yorick_26, Tweety_27, BuzzLyseyear_28, Leperchaun_26, MinionDave_27, DaWorst_28, Bipolar_23, Mutaforma13_26, Nivrat_26, ShowerHandel_27, Juice456_28, Burwell21_26, Fastidio_27, KristaRAM_27, LilMoolah_26, ShiLan_26, NormanBulbieJr_26, SwagPigglett_26, Awesomesauce_27, Royals2015_26, Pacc40_26, DaddyRickover_26, Doug_27, Florinda_26, Dorothy_26, Wachhund_26, Hades_26, RitaG_26, Phanphagia_23, Eradicator_26, Melissauren88_26, Zizzle_26, PopTart_26, Strokeseat_26, DeadP_26, DillTech15_26, Hegedechwinu_27, Misha28_27, TootsiePop_27, Mozy_27, Minnie_27, Girafales_27, ChickenDinner_28, Gandolph_26, Maravista_26, Martik_26
- Track 31 : Sparkdehlily_26, BobaPhett_26, Cabrinians_26, James_26, FreddyB_26, Philus_26, SimranZ1_27, Totinger_29, MisterCuddles_26, Priscilla_26, LittleShirley_27, Guppsters_27, TDanisky_26, Madiba_24, Empress_27, GigiOuiOui_26, Phasih_27, Jarcob_26, Saal_26, Veteran_26, OlympiaSaint_26, Rialto_28, DRBy19_26, Mantra_26, Inventum_26, DirtMcgirt_27, Gorge_26, GUmbie_26, OldBen_26, Karhdo_26, Sassafra_26, Mattes_26, Girr_26, Spoonbill_26, Ruby_26, Radiance_26
- Track 32 : Emma_26, Moonbeam_27

- Track 33 : Daenerys_26, Sabbb_27, BlueCrab_26, JoeyJr_26, Scottish_27, Pollywog_26, Soul22_30
- Track 34 : Piper2020_28, Job42_29, Dante_26
- Track 35 : Chevrolet_25, ArcusAngelus_26
- Track 36 : Galactic_26, Batiatus_26, Krakatau_27
- Track 37 : Frankie_27
- Track 38 : Rita_26, Starcevich_27
- Track 39 : Wee_27
- Track 40 : Whouxphf_26, Hamulus_26
- Track 41 : Donkeykong_26
- Track 42 : Nimbo_26, PHappiness_26
- Track 43 : Ardmore_26, RedBird_26, Aubs_26
- Track 44 : Zerg_26, Blarby_34, Spikelee_27, RockyHorror_27
- Track 45 : DosHalletts_29, Cornucopia_27, Plumbus_27
- Track 46 : VRedHorse_26, IbOuu_28, Marker_28, Phalconet_26, DLane_26, Seagreen_27, Beakin_27
- Track 47 : Bubbles123_27
- Track 48 : Chuckly_26, OwlsT2W_28, Renaud18_26
- Track 49 : Kersh_24
- Track 50 : AlpineSix_27, Seabastian_26, Jinglebell_26, Modragons_26, OfUltron_26, Llama_26
- Track 51 : Doomphist_26, DotProduct_26, Poenanya_26, Boomer_27
- Track 52 : Blexus_26
- Track 53 : LunaBlu_27
- Track 54 : QuickMath_27, Kimberlium_28
- Track 55 : JalFarm20_28
- Track 56 : Harley_26, Ibhubesi_26
- Track 57 : Bobi_28, Spartacus_27
- Track 58 : Che8_27
- Track 59 : SuperGrey_26
- Track 60 : Mova_27
- Track 61 : WillSterrel_27, IrishSherpFalk_27
- Track 62 : Estave1_24
- Track 63 : Stap_27, Minerva_47
- Track 64 : Latretium_27
- Track 65 : Leozinho_27
- Track 66 : Flathead_27
- Track 67 : Sandalphon_27
- Track 68 : Ogopogo_26
- Track 69 : Mahavrat_26
- Track 70 : Juniper1_26
- Track 71 : SiSi_26
- Track 72 : PhesterPhotato_26
- Track 73 : MadMen_23
- Track 74 : KingMidas_27
- Track 75 : Avani_29, Che9d_29
- Track 76 : Jabbawokkie_32, Zapner_31
- Track 77 : Demsculpinboyz_29
- Track 78 : Yoshi_29
- Track 79 : TChen_24, LunaStella_25
- Track 80 : ThetaBob_25
- Track 81 : Cornie_26

- Track 82 : Courthouse_41, DmpstrDiver_42, Porcelain_40, Ariel_41, Lucky2013_41, Squint_40, MiaZeal_41
- Track 83 : Superphikiman_41
- Track 84 : Duke13_44, Wanda_47
- Track 85 : Optimus_45
- Track 86 : BAKA_44, LittleE_47
- Track 87 : Hannaconda_38, KashFlow_35
- Track 88 : Omega_46
- Track 89 : Gonephishing_42
- Track 90 : Ellie_72
- Track 91 : Gaia_29, Nebkiss_31
- Track 92 : MooMoo_23

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

The start number called the most often in the published annotations is 40, it was called in 522 of the 750 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_33, ABCat_30, AFIS_36, Abbyshoes_38, Abrogate_370, Acme_39, Adahisdi_37, Adnama_34, Aeneas_39, Ajay_37, Alexphander_28, AlpineSix_27, Alsfro_40, Altman_38, Alvin_37, Amao_31, AmericanBeauty_34, Anglerfish_38, ArcusAngelus_26, Ardmore_26, Argent26_33, Ariel_41, Arlo_35, Ashballer_38, Asriel_30, Atkinbua_38, Aubs_26, Avani_29, Awesomesauce_27, BAKA_44, BPIebs31_37, BaboJay_30, BaconJack_39, BadStone_30, Balomoji_30, Barbarian_30, Barriga_36, Bask21_31, Batiatus_26, Beakin_27, Beatrix_36, BeesKnees_37, Bench_33, Bethlehem_36, Bexan_34, Big3_36, BigBubba_32, BigMau_38, BilboSwaggins_31, BillKnuckles_37, Bipolar_23, Bircsak_36, Blarby_34, Blexus_26, BlueCrab_26, Blue_36, Bob3_35, BobaPhett_26, Bobi_28, BodEinwohner17_26, Boehler_56, Bones_36, Boomer_27, Brilliant_59, Briton15_38, Bruin_31, Bruns_35, Bubbles123_27, Buck_30, BugsBunny_29, Burton_37, Burwell21_26, BuzzLyseyear_28, Bxb1_34, ByChance_26, Byougenkin_26, Cabrinians_26, Cactus_32, CaptainTrips_27, Chanagan_35, Charles1_58, Che8_27, Che9d_29, Chevrolet_25, ChickenDinner_28, ChosenOne_31, ChotaBhai_31, Chuckly_26, Chute_57, Ciao_36, Cjw1_31, Coco12_25, Coletti_57, Command613_32, Conceptll_38, Contagion_30, Cookies_31, Cornie_26, Cornucopia_27, Corvo_37, Courthouse_41, Crispicous1_35, CrystalP_31, Cueyllyss_36, Czyszczonek1_32, DD5_37, DLane_26, DRBy19_26, DaWorst_28, DaddyRickover_26, Daenerys_26, Daikon_30, Dante_26, DeadP_26, Deb65_26, DelRivs_56, Demsculpinboyz_29, DillTech15_26, DirtMcgirt_27, DmpstrDiver_42, DocMcStuffins_27, DoctorDiddles_31, Donkeykong_26, Doomphist_26, Dorothy_26, DosHalletts_29, DotProduct_26, Doug_27, DrDrey_32, DrFeelGood_35, Drago_27, DreamCatcher_39, Dreamboat_37, Duke13_44, Dulcie_35, Dumbo_31, Dusk_30, Dussy_37, Dynamix_37, Easy2Say_33, Edtherson_37, Eish_26, EleanorGeorge_26, Elite2014_30, Ellie_72, Elph10_32, Emma_26, Emmina_32, EmpTee_56, Empress_27, Enby_27, Eradicator_26, Espresso_36, Estave1_24, Euphoria_36, Eureka_31, Eyeball_36, Fajezeel_38, Fancypants_26, Fastidio_27, Fenn_37, Filch_32, Filuzino_26, FireRed_31, Firehouse51_27, Flathead_27, Florinda_26, Flypotenuse_29, Forsytheast_36, Francis47_36, Frankie_27, FreddyB_26, FriarPreacher_56, Fruitloop_26, GUmbe_26, Gage_33, Gaia_29, Galactic_26,

Gandalf20_37, Gandolph_26, Gator_29, Gemini_34, Geralt_26, GigiOuiOui_26, Girafales_27, Girr_26, Glexan_29, Goku_31, GoldenSpark_33, Goldilocks_32, Gompeii16_36, Gonephishing_42, GooberAzure_33, Gorge_26, Graduation_38, GrecoEtereo_38, Greg_38, Guppsters_27, Gwendoluna_40, Hades_26, Hamish_56, Hamulus_26, HanKaySha_32, Hannaconda_38, Harella_30, Harley_26, Hegedechwinu_27, Henry_32, Hermia_39, HermioneGrange_36, Highbury_32, Hlubikazi_26, Holt_32, Hoonter_33, Hope4ever_36, Hopey_33, HufflyPuff_30, IHOP_31, ILeeKay_38, IbOuu_28, Ibhubesi_26, Icee_30, Ichabod_37, Inca_30, Inventum_26, IrishSherpFalk_27, Jabbawokkie_32, JackSparrow_37, JalFarm20_28, James_26, Jarcob_26, Jasper_37, JeTaime_33, Jerm2_37, Jinglebell_26, Job42_29, JoeyJr_26, Jorgensen_36, Juice456_28, JuliaChild_38, Juniper1_26, KBG_37, KSSJEB_36, Kanely_37, Kanye_33, Karhdo_26, KashFlow_35, Keitherie_58, Kenmech_39, Kenuha5_23, Kersh_24, Killigrew_34, Kimberlium_28, Kimchi_33, KingMidas_27, Kingsley_24, Kloppinator_57, Kostya_32, Krakatau_27, KristaRAM_27, Kugel_37, KyMonks1A_39, Lamina13_36, Latretium_27, Leozinho_27, Leperchaun_26, Lesedi_35, Licorice_38, LilMoolah_26, Lilac_33, Lilizi_33, Lilpickle_30, LittleE_47, LittleShirley_27, Lizziana_26, Llama_26, Llij_26, Lockley_37, Lopton_37, Lorde_27, Lucky2013_41, LunaBlu_27, LunaStella_25, MISSy_30, MPhalcon_30, MPlant7149_36, MadMen_23, MadamMonkfish_31, Madiba_24, Magnar_36, Magnito_35, Mahavrat_26, Makemake_37, Manatee_37, Manda_32, Mandlovu_26, Mantra_26, Maravista_26, Marcell_36, Marchy_30, Marge_37, Marker_28, Maroc7_36, Marsha_36, Marshmallow_31, Martik_26, MaryBeth_36, Mattes_26, Maxxinista_32, McGuire_37, Melissauren88_26, MetalQZJ_36, MiaZeal_41, Michley_36, MilleniumForce_27, Mindy_31, Minerva_47, MinionDave_27, Miniwave_31, Minnie_27, Misfit_31, Misha28_27, MisterCuddles_26, Modragons_26, Moldemort_32, Molly_38, Monet_38, MooMoo_23, Moonbeam_27, Moose_36, Mosby_30, Mova_27, Mozy_27, MrGordo_36, Mryolo_34, Murica_30, Murphy_32, Museum_38, Mutaforma13_26, Myrale_31, NEHalo_36, Naira_37, Nala_31, Nebkiss_31, NelitzaMV_31, Nerujay_37, Nhonho_36, Nimbo_26, Nimrod_31, Nitzel_27, Nivrat_26, Niza_39, NoSleep_32, NormanBulbieJr_26, Norz_38, Numberten_56, OfUltron_26, Ogopogo_26, Ohno789_36, OldBen_26, Olive_56, OlympiaSaint_26, Omega_46, Omniscient_58, Oogway_35, Optimus_45, OrionPax_32, Ovechkin_26, OwlsT2W_28, PHappiness_26, PMC_26, PSullivan_35, Pacc40_26, PacerPaul_37, Palpatine_31, Paperbeatsrock_33, Papez_38, Paphu_35, Paraselene_35, Pari_37, Parliament_35, PascalRango_37, Pat3_30, PattyP_38, Payneful_35, Perseus_38, Petp2012_38, Petra64142_33, Petruchio_37, Phaja_31, Phalconet_26, Phanphagia_23, Pharsalus_32, Phasih_27, PhatBacter_31, PhatLouie_58, Phatniss_27, Phaux_30, PherrisBueller_37, PhesterPotato_26, Philus_26, PhrostyMug_37, Phrux_31, PinkPlastic_35, Piper2020_28, Pippin_38, Pita2_38, Plmatters_56, Plumbus_27, Poenanya_26, Policronamos_32, Polka14_27, Pollywog_26, PopTart_26, Porcelain_40, Porky_31, Priscilla_26, Pumpkin_33, QTRlifeCrisis_40, Quallification_32, QuickMath_27, Quico_27, Radiance_26, Rajelicia_35, Rakim_32, Ramsey_27, RedBird_26, Renaud18_26, Rhynn_36, Rialto_28, RidgeCB_36, Rimmer_30, Ringer_37, RitaG_26, Rita_26, RiverMonster_31, Rockne_26, RockyHorror_27, Rohr_37, Royals2015_26, Ruby_26, Rufus_38, Ruotula_36, Rutherford_38, SG4_26, STLscum_37, Saal_26, Sabbb_27, Sagefire_38, Saints25_32, Sandaddy_36, Sandalphon_27, SarFire_36, Sassafras_26, Sassay_30, SassyB_26, Scottish_27, Scowl_36, Seabastian_26, Seabiscuit_38, Seagreen_27, Seanderson_37, ShamWow_31, Shauna1_23, ShereKhan_33, ShiLan_26, ShiVal_55, ShowerHandel_27, ShroomBoi_23, SiSi_26, Sibs6_37, Simielle_56, Simpliphy_32, SimranZ1_27, SirDuracell_30, SkiPole_39, Slagathor_37, Smeagol_38, Snazzy_35, Soile_58, Solon_36, SophKB_31, Sorpresa_35, Sotrice96_31, Soul22_30, Sparkdehlily_26, Spartacus_27,

Spartan300_56, SpikeBT_38, Spikelee_27, Spoonbill_26, Squee_37, Squint_40, Stank_34, Stap_27, Starcevich_27, Stark_32, StellaBean_31, StolenFromERC_33, Strokeseat_26, StrongArm_35, Sumter_35, Sunshine924_38, SuperGrey_26, SwagPiggett_26, Swiphy_59, SwissCheese_38, Switzer_37, Swole_38, TBrady12_33, TChen_24, TDanisky_26, Taj_26, Tarkin_33, Tasp14_37, TeardropMSU_30, Teaspoon_32, Teodoridan_34, Terminus_31, TheloniousMonk_38, ThetaBob_25, Thor_36, Thresher_32, Tomaszewski_30, TootsiePop_27, Tootsieroll_27, Totinger_29, Toto_31, Traaww1_29, Traft412_38, Treddle_38, Tripl3t_37, Trouble_37, Tuco_32, Turj99_35, Tweety_27, TwoPeat_36, U2_36, Ukulele_31, UncleRicky_29, VRedHorse_26, Valjean_56, Veteran_26, Violet_35, Virgeve_56, Wachhund_26, Wanda_47, Watermelon_38, Whatsapiecost_26, Wheeler_37, Whouxphf_26, Wiggin_34, WillSterrel_27, Willez_30, XFactor_26, Xandras_33, YassJohnny_32, Yorick_26, Yoshi_29, Youngblood_31, Zaider_57, Zapner_31, Zeeculate_36, Zephyr_36, Zerg_26, Zeuska_37, Zizzle_26, xkcd_32,

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

- Superphikiman_41, Wee_27,

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

- ABU_58, AbsoluteMadLad_56, Adriana_58, Aelin_56, AltPhacts_56, Altwerkus_55, Anderson_58, Andre_60, Antonia_56, Apizium_56, Ashraf_58, Badfish_58, Banjo_56, Basato_57, BatteryCK_57, Beaglebox_57, Bishoperium_57, BlackStallion_58, BlueHusk_58, Bluephacebaby_57, Buckeye_56, Burr_57, CamL_57, CampRoach_58, Cannibal_57, Carthage_55, Chaelin_58, Chah_59, CharlieGBrown_57, CheetO_56, Cher_57, Childish_57, Chorkpop_57, Chunky_55, Cobra_58, Colbert_55, Cornobble_56, Cosmolli16_58, Craff_60, Crownjwl_57, DaddyDaniels_59, Daffy_57, Daka_59, Dati_57, Derpp_56, Dice_59, Dingo_55, Dione_55, DirtJuice_58, Doddsville_57, DoesntMatter_55, DonSanchon_55, DuchessDung_58, Duggie_57, Durga_59, Emiris_59, Eremos_56, Etaye_57, Eugenia_57, Fang_58, FluffyNinja_58, Fozzie_56, Frankicide_56, Freya_55, Fringe_61, FugateOSU_57, Gareth_57, GeneCoco_57, Giraffe_58, Gophee_58, Grand2040_57, Gwilliam_59, Gyarad_0055, HSavage_56, Haimas_56, Haleema_56, Hartsy_57, Harvey_56, Held_57, HenryJackson_57, Hertubise_57, Hetaeria_56, HighStump_59, Hocus_57, Horchata_56, ImtiyazSitla_58, Inchworm_59, Inverness_56, Iridoclysis_58, IsaacEli_58, JDog_57, JacAttac_58, JakeO_57, JangoPhett_57, Jillium_57, Jiminy_57, Jiraiya_60, KLucky39_55, Kahve_57, Kailash_57, Katniss_58, Kikipoo_58, Kimbrough_58, KingTut_49, KingVeVeVe_55, KlimbOn_56, Kwadwo_56, Kwksand96_57, Labeouficaum_57, LasagnaCat_58, Lasso_57, LeeLot_57, Lego3393_56, Legolas_59, LeiMonet_59, LemonSlice_58, Longacauda_58, Lopsy_54, LostAndPhound_57, LuckyMarjie_55, Lulumae_55, Lulwa_55, Lumine_58, MRabcd_56, Mag7_57, Magic8_58, Mana_56, Manad_56, Maru_57, Maskar_58, Matalotodo_56, Mcshane_56, Mecca_57, Megamind20_58, Megatron_58, Melc17_57, MelsMeow_57, Mesh1_58, MichaelPhcott_57, Mikota_55, MiniBoss_55, MitKao_57, Morgushi_57, Morty_58, Mosaic_56, MrPhizzler_58, Mulan_57, Murdoc_56, Mutante_57, Nacho_0058, Newman_56, Nicole21_58, Nyala_56, OSmaximus_58, Olak_57, Oline_57, OliverWalter_56, Oosterbaan_57, Orfeu_56, Orion_58, Orwigg_58, PG1_58, Pacifista_59, Phamished_58, Phareon_56, PhatCats2014_58, PhenghisKhan_57, Pherdinand_58, Phergie_58, Phipps_57, Phleuron_57, PhrankReynolds_56, PhrodoBaggins_58, Phunky_56, Piglet_0057, PinheadLarry_58, Pinkman_56, Pipsqueak_56, Placalicious_57, Podrick_55, Pops_56, Potter_56, Prickles_58, ProfessorX_56, Puhltonio_57, QueenBeane_57, Quisquiliae_58, RedMaple_58, Ricotta_57, Riggan_58, Rimu_60, Robyn_56,

Roliet_55, Roscoe_57, Roy17_56, SDcharge11_56, Samaymay_57, SassyCat97_56, Schadenfreude_56, Schueller_58, Scoot17C_58, Scrick_58, Selr12_59, Serendipity_57, Serpentine_0057, Sheila_55, Sigman_58, Skippy_58, Slatt_58, Solosis_56, Sophia_56, Soto_55, Squid_57, Squiggle_58, Struggle_57, Suffolk_55, Surely_57, Swish_58, TallGrassMM_57, Telesworld_55, Thora_57, ThreeOh3D2_58, Thunderbird_57, Timmi_56, TomBombadil_57, Tomlarah_58, Toni_56, Tooj_55, True_56, Trypo_59, TyrionL_57, UAch1_56, UncleHowie_56, Usavi_57, Vaishali24_55, Vaticameos_54, Veritas_58, Virapocalypse_58, Vista_56, Vivaldi_58, Vortex_57, Wallhey_57, Waterdiva_57, Weher20_57, Windsor_57, Xavier_56, Yoshand_58, YouGoGlencoco_58, Zelda_57, Zonia_58,

Summary by start number:

Start 22:

- Found in 18 of 820 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 750
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Superphikiman_41 (J),

Start 33:

- Found in 6 of 820 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 750
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Wee_27 (F1),

Start 35:

- Found in 211 of 820 (25.7%) of genes in pham
- Manual Annotations of this start: 53 of 750
- Called 26.1% of time when present
- Phage (with cluster) where this start called: Anderson_58 (B1), Antonia_56 (B1), Banjo_56 (B1), Beaglebox_57 (B1), Burr_57 (B1), Cher_57 (B1), Cobra_58 (B1), Craff_60 (B1), Daffy_57 (B1), DonSancho_55 (B1), Gareth_57 (B1), Gwilliam_59 (B1), Gyarad_0055 (B1), Held_57 (B1), HenryJackson_57 (B1), Hertubise_57 (B1), Hetaeria_56 (B1), Inverness_56 (B1), JacAttac_58 (B1), KLucky39_55 (B1), Kahve_57 (B1), Lasso_57 (B1), Lego3393_56 (B1), Lulumae_55 (B1), Lumine_58 (B1), Magic8_58 (B1), Mana_56 (B1), Manad_56 (B1), Mcshane_56 (B1), Megatron_58 (B1), MitKao_57 (B1), Mulan_57 (B1), Nacho_0058 (B1), Newman_56 (B1), Nyala_56 (B1), Phamished_58 (B1), Phareon_56 (B1), Piglet_0057 (B1), Pipsqueak_56 (B1), Podrick_55 (B1), Roy17_56 (B1), Selr12_59 (B1), Serpentine_0057 (B1), Squid_57 (B1), Suffolk_55 (B1), TallGrassMM_57 (B1), ThreeOh3D2_58 (B1), Toni_56 (B1), True_56 (B1), UAch1_56 (B1), Vaticameos_54 (B1), Vista_56 (B1), Vivaldi_58 (B1), Waterdiva_57 (B1), Xavier_56 (B1),

Start 39:

- Found in 250 of 820 (30.5%) of genes in pham
- Manual Annotations of this start: 173 of 750
- Called 78.0% of time when present
- Phage (with cluster) where this start called: ABU_58 (B1), AbsoluteMadLad_56 (B1), Adriana_58 (B1), Aelin_56 (B1), AltPhacts_56 (B1), Altwerkus_55 (B1), Andre_60 (B1), Apizium_56 (B1), Ashraf_58 (B1), Badfish_58 (B1), Basato_57 (B1), BatteryCK_57 (B1), Bishoperium_57 (B1), BlackStallion_58 (B1), BlueHusk_58 (B1), Bluephacebaby_57 (B1), Buckeye_56 (B1), CamL_57 (B1), CampRoach_58 (B1), Cannibal_57 (B1), Carthage_55 (B1), Chaelin_58 (B1), Chah_59 (B1),

CharlieGBrown_57 (B1), CheetO_56 (B1), Childish_57 (B1), Chorkpop_57 (B1),
 Chunky_55 (B1), Colbert_55 (B1), Cornobble_56 (B1), Cosmolli16_58 (B1),
 Crownjwl_57 (B1), DaddyDaniels_59 (B1), Daka_59 (B1), Dati_57 (B1), Derpp_56
 (B1), Dice_59 (B1), Dingo_55 (B1), Dione_55 (B1), DirtJuice_58 (B1), Doddsville_57
 (B1), DoesntMatter_55 (B1), DuchessDung_58 (B1), Duggie_57 (B1), Durga_59 (B1),
 Emiris_59 (B1), Eremos_56 (B1), Etaye_57 (B1), Eugenia_57 (B1), Fang_58 (B1),
 FluffyNinja_58 (B1), Fozzie_56 (B1), Frankicide_56 (B1), Freya_55 (B1), Fringe_61
 (B1), FugateOSU_57 (B1), GeneCoco_57 (B1), Giraffe_58 (B1), Gophee_58 (B1),
 Grand2040_57 (B1), HSavage_56 (B1), Haimas_56 (B1), Haleema_56 (B1),
 Hartsy_57 (B1), Harvey_56 (B1), HighStump_59 (B1), Hocus_57 (B1), Horchata_56
 (B1), ImtiyazSitla_58 (B1), Inchworm_59 (B1), Iridoclysis_58 (B1), IsaacEli_58 (B1),
 JDog_57 (B1), JakeO_57 (B1), JangoPhett_57 (B1), Jillium_57 (B1), Jiminy_57 (B1),
 Jiraiya_60 (B1), Kailash_57 (B1), Katniss_58 (B1), Kikipoo_58 (B1), Kimbrough_58
 (B1), KingTut_49 (B1), KingVeVeVe_55 (B1), KlimbOn_56 (B1), Kwadwo_56 (B1),
 Kwksand96_57 (B1), Labeouficaum_57 (B1), LasagnaCat_58 (B1), LeeLot_57 (B1),
 Legolas_59 (B1), LeiMonet_59 (B1), LemonSlice_58 (B1), Longacauda_58 (B1),
 Lopsy_54 (B1), LostAndPhound_57 (B1), LuckyMarjie_55 (B1), Lulwa_55 (B1),
 MRabcd_56 (B1), Mag7_57 (B1), Maru_57 (B1), Maskar_58 (B1), Matalotodo_56
 (B1), Mecca_57 (B1), Megamind20_58 (B1), Melc17_57 (B1), MelsMeow_57 (B1),
 Mesh1_58 (B1), MichaelPhcott_57 (B1), Mikota_55 (B1), MiniBoss_55 (B1),
 Morgushi_57 (B1), Morty_58 (B1), Mosaic_56 (B1), MrPhizzler_58 (B1), Murdoc_56
 (B1), Mutante_57 (B1), Nicole21_58 (B1), OSmaximus_58 (B1), Olak_57 (B1),
 Oline_57 (B1), OliverWalter_56 (B1), Oosterbaan_57 (B1), Orfeu_56 (B1), Orion_58
 (B1), Orwigg_58 (B1), PG1_58 (B1), Pacifista_59 (B1), PhatCats2014_58 (B1),
 Phenghiskhan_57 (B1), Pherdinand_58 (B1), Phergie_58 (B1), Phipps_57 (B1),
 Phleuron_57 (B1), PhrankReynolds_56 (B1), PhrodoBaggins_58 (B1), Phunky_56
 (B1), PinheadLarry_58 (B1), Pinkman_56 (B1), Placalicious_57 (B1), Pops_56 (B1),
 Potter_56 (B1), Prickles_58 (B1), ProfessorX_56 (B1), Puhltonio_57 (B1),
 QueenBeane_57 (B1), Quisquiliae_58 (B1), RedMaple_58 (B1), Ricotta_57 (B1),
 Riggan_58 (B1), Rimu_60 (B1), Robyn_56 (B1), Roliet_55 (B1), Roscoe_57 (B1),
 SDcharge11_56 (B1), Samaymay_57 (B1), SassyCat97_56 (B1), Schadenfreude_56
 (B1), Schueller_58 (B1), Scoot17C_58 (B1), Scrick_58 (B1), Serendipity_57 (B1),
 Sheila_55 (B1), Sigman_58 (B1), Skippy_58 (B1), Slatt_58 (B1), Solosis_56 (B1),
 Sophia_56 (B1), Soto_55 (B1), Squiggle_58 (B1), Struggle_57 (B1), Surely_57 (B1),
 Swish_58 (B1), Telesworld_55 (B1), Thora_57 (B1), Thunderbird_57 (B1), Timmi_56
 (B1), TomBombadil_57 (B1), Tomlarah_58 (B1), Tooj_55 (B1), Trypo_59 (B1),
 TyrionL_57 (B1), UncleHowie_56 (B1), Usavi_57 (B1), Vaishali24_55 (B1),
 Veritas_58 (B1), Virapocalypse_58 (B1), Vortex_57 (B1), Wallhey_57 (B1),
 Weher20_57 (B1), Windsor_57 (B1), Yoshand_58 (B1), YouGoGlencoco_58 (B1),
 Zelda_57 (B1), Zonia_58 (B1),

Start 40:

- Found in 570 of 820 (69.5%) of genes in pham
- Manual Annotations of this start: 522 of 750
- Called 99.6% of time when present
- Phage (with cluster) where this start called: 244_33 (E), ABCat_30 (E), AFIS_36 (A1), Abbyshoes_38 (A1), Abrogate_370 (A1), Acme_39 (A1), Adahisdi_37 (A1), Adnama_34 (E), Aeneas_39 (A1), Ajay_37 (A1), Alexphander_28 (F1), AlpineSix_27 (F1), Alsfro_40 (A1), Altman_38 (A1), Alvin_37 (A1), Amao_31 (E), AmericanBeauty_34 (E), Anglerfish_38 (A1), ArcusAngelus_26 (F1), Ardmore_26 (F1), Argent26_33 (E), Ariel_41 (J), Arlo_35 (A1), Ashballer_38 (A1), Asriel_30 (E), Atkinbua_38 (A1), Aubs_26 (F1), Avani_29 (F2), Awesomesauce_27 (F1), BAKA_44 (J), BPBiebs31_37 (A1), BaboJay_30 (E), BaconJack_39 (A1), BadStone_30 (E),

Balomoji_30 (E), Barbarian_30 (E), Barriga_36 (A1), Bask21_31 (E), Batiatus_26 (F1), Beakin_27 (F1), Beatrix_36 (A1), BeesKnees_37 (A1), Bench_33 (E), Bethlehem_36 (A1), Bexan_34 (A1), Big3_36 (A1), BigBubba_32 (E), BigMau_38 (A1), BilboSwaggins_31 (E), BillKnuckles_37 (A1), Bipolar_23 (F1), Bircsak_36 (A1), Blarby_34 (F), Blexus_26 (F1), BlueCrab_26 (F1), Blue_36 (A1), Bob3_35 (A1), BobaPhett_26 (F1), Bobi_28 (F1), BodEinwohner17_26 (F1), Boehler_56 (B1), Bones_36 (A1), Boomer_27 (F1), Brilliant_59 (B1), Briton15_38 (A1), Bruin_31 (E), Bruns_35 (A1), Bubbles123_27 (F1), Buck_30 (E), BugsBunny_29 (E), Burton_37 (A1), Burwell21_26 (F1), BuzzLyseyear_28 (F1), Bxb1_34 (A1), ByChance_26 (F1), Byougenkin_26 (F1), Cabrinians_26 (F1), Cactus_32 (E), CaptainTrips_27 (F1), Chanagan_35 (A1), Charles1_58 (B1), Che8_27 (F1), Che9d_29 (F2), Chevrolet_25 (F1), ChickenDinner_28 (F1), ChosenOne_31 (E), ChotaBhai_31 (E), Chuckly_26 (F1), Chute_57 (B1), Ciao_36 (A1), Cjw1_31 (E), Coco12_25 (F1), Coletti_57 (B1), Command613_32 (E), ConceptII_38 (A1), Contagion_30 (E), Cookies_31 (E), Cornie_26 (F5), Cornucopia_27 (F1), Corvo_37 (A1), Courthouse_41 (J), Crispicious1_35 (A1), CrystalP_31 (E), Cueyllyss_36 (A1), Czyszczonek_32 (E), DD5_37 (A1), DLane_26 (F1), DRBy19_26 (F1), DaWorst_28 (F1), DaddyRickover_26 (F1), Daenerys_26 (F1), Daikon_30 (E), Dante_26 (F1), DeadP_26 (F1), Deb65_26 (F1), DelRivs_56 (B1), Demsculpinboyz_29 (F2), DillTech15_26 (F1), DirtMcgirt_27 (F1), DmpstrDiver_42 (J), DocMcStuffins_27 (F1), DoctorDiddles_31 (E), Donkeykong_26 (F1), Doomphist_26 (F1), Dorothy_26 (F1), DosHalletts_29 (F1), DotProduct_26 (F1), Doug_27 (F1), DrDrey_32 (E), DrFeelGood_35 (A1), Drago_27 (F1), DreamCatcher_39 (A1), Dreamboat_37 (A1), Duke13_44 (J), Dulcie_35 (A1), Dumbo_31 (E), Dusk_30 (E), Dussy_37 (A1), Dynamix_37 (A1), Easy2Say_33 (E), Edtherson_37 (A1), Eish_26 (F1), EleanorGeorge_26 (F1), Elite2014_30 (E), Ellie_72 (K6), Elph10_32 (E), Emma_26 (F1), Emmina_32 (E), EmpTee_56 (B1), Empress_27 (F1), Enby_27 (F1), Eradicator_26 (F1), Espresso_36 (A1), Estave1_24 (F1), Euphoria_36 (A1), Eureka_31 (E), Eyeball_36 (A1), Fajezeel_38 (A1), Fancypants_26 (F1), Fastidio_27 (F1), Fenn_37 (A1), Filch_32 (E), Filuzino_26 (F1), FireRed_31 (E), Firehouse51_27 (F1), Flathead_27 (F1), Florinda_26 (F1), Flypotenuse_29 (E), Forsytheast_36 (A1), Francis47_36 (A1), Frankie_27 (F1), FreddyB_26 (F1), FriarPreacher_56 (B1), Fruitloop_26 (F1), GUmbie_26 (F1), Gage_33 (E), Gaia_29 (X), Galactic_26 (F1), Gandalf20_37 (A1), Gandolph_26 (F1), Gator_29 (E), Gemini_34 (E), Geralt_26 (F1), GigiOuiOui_26 (F1), Girafales_27 (F1), Girr_26 (F1), Glexan_29 (E), Goku_31 (E), GoldenSpark_33 (E), Goldilocks_32 (E), Gompeii16_36 (A1), Gonephishing_42 (J), GooberAzure_33 (E), Gorge_26 (F1), Graduation_38 (A1), GrecoEtereo_38 (A1), Greg_38 (A1), Guppsters_27 (F1), Gwendoluna_40 (A1), Hades_26 (F1), Hamish_56 (B1), Hamulus_26 (F1), HanKaySha_32 (E), Hannaconda_38 (J), Harella_30 (E), Harley_26 (F1), Hegedechwinu_27 (F1), Henry_32 (E), Hermia_39 (A1), HermioneGrange_36 (A1), Highbury_32 (E), Hlubikazi_26 (F1), Holt_32 (E), Hoonter_33 (E), Hope4ever_36 (A1), Hopey_33 (E), HufflyPuff_30 (E), IHOP_31 (E), ILeeKay_38 (A1), IbOuu_28 (F1), Ibhubesi_26 (F1), Icee_30 (E), Ichabod_37 (A1), Inca_30 (E), Inventum_26 (F1), IrishSherpFalk_27 (F1), Jabbawokkie_32 (F2), JackSparrow_37 (A1), JalFarm20_28 (F1), James_26 (F1), Jarcob_26 (F1), Jasper_37 (A1), JeTaime_33 (E), Jerm2_37 (A1), Jinglebell_26 (F1), Job42_29 (F1), JoeyJr_26 (F1), Jorgensen_36 (A1), Juice456_28 (F1), JuliaChild_38 (A1), Juniper1_26 (F1), KBG_37 (A1), KSSJEB_36 (A1), Kanely_37 (A1), Kanye_33 (E), Karhdo_26 (F1), KashFlow_35 (J), Keitherie_58 (B1), Kenmech_39 (A1), Kenuha5_23 (F1), Kersh_24 (F1), Killigrew_34 (A1), Kimberlium_28 (F1), Kimchi_33 (E), KingMidas_27 (F1), Kingsley_24 (F1), Kloppinator_57 (B1), Kostya_32 (E), Krakatau_27 (F1), KristaRAM_27 (F1), Kugel_37 (A1), KyMonks1A_39 (A1), Lamina13_36 (A1), Latretium_27 (F1), Leozinho_27 (F1), Leperchaun_26 (F1),

Lesedi_35 (A1), Licorice_38 (A1), LilMoolah_26 (F1), Lilac_33 (E), Lilizi_33 (E), Lilpickle_30 (E), LittleE_47 (J), LittleShirley_27 (F1), Lizziana_26 (F1), Llama_26 (F1), Llij_26 (F1), Lockley_37 (A1), Lopton_37 (A1), Lorde_27 (F1), Lucky2013_41 (J), LunaBlu_27 (F1), LunaStella_25 (F4), MISSy_30 (E), MPhalcon_30 (E), MPlant7149_36 (A1), MadMen_23 (F1), MadamMonkfish_31 (E), Madiba_24 (F1), Magnar_36 (A1), Magnito_35 (A1), Mahavrat_26 (F1), Makemake_37 (A1), Manatee_37 (A1), Manda_32 (E), Mandlovu_26 (F1), Mantra_26 (F1), Maravista_26 (F1), Marcell_36 (A1), Marchy_30 (A1), Marge_37 (A1), Marker_28 (F1), Maroc7_36 (A1), Marsha_36 (A1), Marshmallow_31 (E), Martik_26 (F1), MaryBeth_36 (A1), Mattes_26 (F1), Maxxinsta_32 (E), McGuire_37 (A1), Melissauren88_26 (F1), MetalQZJ_36 (A1), MiaZeal_41 (J), Michley_36 (A1), MilleniumForce_27 (F1), Mindy_31 (E), Minerva_47 (J), MinionDave_27 (F1), Miniwave_31 (E), Minnie_27 (F1), Misfit_31 (E), Misha28_27 (F1), MisterCuddles_26 (F1), Modragons_26 (F1), Moldemort_32 (E), Molly_38 (A1), Monet_38 (A1), MooMoo_23 (singleton), Moonbeam_27 (F1), Moose_36 (A1), Mosby_30 (E), Mova_27 (F1), Mozy_27 (F1), MrGordo_36 (A1), Mryolo_34 (A1), Murica_30 (E), Murphy_32 (E), Museum_38 (A1), Mutaforma13_26 (F1), Myrale_31 (E), NEHalo_36 (A1), Naira_37 (A1), Nala_31 (E), Nebkiss_31 (X), NelitzaMV_31 (E), Nerujay_37 (A1), Nhonho_36 (A1), Nimbo_26 (F1), Nimrod_31 (E), Nitzel_27 (F1), Nivrat_26 (F1), Niza_39 (A1), NoSleep_32 (E), NormanBulbieJr_26 (F1), Norz_38 (A1), Numberten_56 (B1), OfUltron_26 (F1), Ogopogo_26 (F1), Ohno789_36 (A1), OldBen_26 (F1), Olive_56 (B1), OlympiaSaint_26 (F1), Omega_46 (J), Omniscient_58 (B1), Oogway_35 (A1), Optimus_45 (J), OrionPax_32 (E), Ovechkin_26 (F1), OwlsT2W_28 (F1), PHappiness_26 (F1), PMC_26 (F1), PSullivan_35 (A1), Pacc40_26 (F1), PacerPaul_37 (A1), Palpatine_31 (E), Paperbeatsrock_33 (E), Papez_38 (A1), Paphu_35 (A1), Paraselene_35 (A1), Pari_37 (A1), Parliament_35 (A1), PascalRango_37 (A1), Pat3_30 (E), PattyP_38 (A1), Payneful_35 (A1), Perseus_38 (A1), Petp2012_38 (A1), Petra64142_33 (E), Petruccio_37 (A1), Phaja_31 (E), Phalconet_26 (F1), Phanphagia_23 (F1), Pharsalus_32 (E), Phasih_27 (F1), PhatBacter_31 (E), PhatLouie_58 (B1), Phatniss_27 (F1), Phaux_30 (E), PherrisBueller_37 (A1), PhesterPhotato_26 (F1), Philus_26 (F1), PhrostyMug_37 (A1), Phrux_31 (E), PinkPlastic_35 (A1), Piper2020_28 (F1), Pippin_38 (A1), Pita2_38 (A1), Plmatters_56 (B1), Plumbus_27 (F1), Poenanya_26 (F1), Policronamos_32 (E), Polka14_27 (F1), Pollywog_26 (F1), PopTart_26 (F1), Porcelain_40 (J), Porky_31 (E), Priscilla_26 (F1), Pumpkin_33 (E), QTRlifeCrisis_40 (A1), Quallification_32 (E), QuickMath_27 (F1), Quico_27 (F1), Radiance_26 (F1), Rajelicia_35 (A1), Rakim_32 (E), Ramsey_27 (F1), RedBird_26 (F1), Renaud18_26 (F4), Rhynn_36 (A1), Rialto_28 (F1), RidgeCB_36 (A1), Rimmer_30 (E), Ringer_37 (A1), RitaG_26 (F1), Rita_26 (F1), RiverMonster_31 (E), Rockne_26 (F1), RockyHorror_27 (F1), Rohr_37 (A1), Royals2015_26 (F1), Ruby_26 (F1), Rufus_38 (A1), Ruotula_36 (A1), Rutherford_38 (A1), SG4_26 (F1), STLscum_37 (A1), Saal_26 (F1), Sabbb_27 (F1), Sagefire_38 (A1), Saints25_32 (E), Sandaddy_36 (A1), Sandalphon_27 (F1), SarFire_36 (A1), Sassafras_26 (F1), Sassay_30 (E), SassyB_26 (F1), Scottish_27 (F1), Scowl_36 (A1), Seabastian_26 (F1), Seabiscuit_38 (A1), Seagreen_27 (F1), Seanderson_37 (A1), ShamWow_31 (E), Shauna1_23 (F1), ShereKhan_33 (E), ShiLan_26 (F1), ShiVal_55 (B1), ShowerHandel_27 (F1), ShroomBoi_23 (F1), SiSi_26 (F1), Sibs6_37 (A1), Simielle_56 (B1), Simpliphy_32 (E), SimranZ1_27 (F1), SirDuracell_30 (E), SkiPole_39 (A1), Slagathor_37 (A1), Smeagol_38 (A1), Snazzy_35 (A1), Soile_58 (B1), Solon_36 (A1), SophKB_31 (E), Sorpresa_35 (A1), Sotrice96_31 (E), Soul22_30 (F2), Sparkdehlily_26 (F1), Spartacus_27 (F1), Spartan300_56 (B1), SpikeBT_38 (A1), Spikelee_27 (F1), Spoonbill_26 (F1), Squee_37 (A1), Squint_40 (J), Stank_34 (E), Stap_27 (F1), Starcevic_27 (F1), Stark_32 (E), StellaBean_31

(E), StolenFromERC_33 (E), Strokeseat_26 (F1), StrongArm_35 (A1), Sumter_35 (A1), Sunshine924_38 (A1), SuperGrey_26 (F1), SwagPiggett_26 (F1), Swiphy_59 (B1), SwissCheese_38 (A1), Switzer_37 (A1), Swole_38 (A1), TBrady12_33 (E), TChen_24 (F4), TDanisky_26 (F1), Taj_26 (F1), Tarkin_33 (E), Tasp14_37 (A1), TeardropMSU_30 (E), Teaspoon_32 (E), Teodoridan_34 (A1), Terminus_31 (E), TheloniousMonk_38 (A1), ThetaBob_25 (F4), Thor_36 (A1), Thresher_32 (E), Tomaszewski_30 (E), TootsiePop_27 (F1), Tootsieroll_27 (F1), Totinger_29 (F1), Toto_31 (E), Traaww1_29 (E), Traft412_38 (A1), Treddle_38 (A1), Trip13t_37 (A1), Trouble_37 (A1), Tuco_32 (E), Turj99_35 (A1), Tweety_27 (F1), TwoPeat_36 (A1), U2_36 (A1), Ukulele_31 (E), UncleRicky_29 (F1), VRedHorse_26 (F1), Valjean_56 (B1), Veteran_26 (F1), Violet_35 (A1), Virgeve_56 (B1), Wachhund_26 (F1), Wanda_47 (J), Watermelon_38 (A1), Whatsapiecost_26 (F1), Wheeler_37 (A1), Whouxphf_26 (F1), Wiggin_34 (E), WillSterrel_27 (F1), Willez_30 (E), XFactor_26 (F1), Xandras_33 (E), YassJohnny_32 (E), Yorick_26 (F1), Yoshi_29 (F2), Youngblood_31 (E), Zaider_57 (B1), Zapner_31 (F2), Zeeculate_36 (A1), Zephyr_36 (A1), Zerg_26 (F1), Zeuska_37 (A1), Zizzle_26 (F1), xkcd_32 (E),

Summary by clusters:

There are 12 clusters represented in this pham: F1, F2, E, F5, F, F4, J, singleton, A1, B1, X, K6,

Info for manual annotations of cluster A1:

- Start number 40 was manually annotated 163 times for cluster A1.

Info for manual annotations of cluster B1:

- Start number 35 was manually annotated 53 times for cluster B1.
- Start number 39 was manually annotated 173 times for cluster B1.
- Start number 40 was manually annotated 21 times for cluster B1.

Info for manual annotations of cluster E:

- Start number 40 was manually annotated 119 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 33 was manually annotated 1 time for cluster F1.
- Start number 40 was manually annotated 188 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 40 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 40 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 40 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster J:

- Start number 22 was manually annotated 1 time for cluster J.
- Start number 40 was manually annotated 16 times for cluster J.

Info for manual annotations of cluster K6:

- Start number 40 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster X:

•Start number 40 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 244_33 Start: 29563, Stop: 29847, Start Num: 40

Candidate Starts for 244_33:

(Start: 40 @29563 has 522 MA's), (46, 29647), (47, 29677), (55, 29764),

Gene: ABCat_30 Start: 29275, Stop: 29559, Start Num: 40

Candidate Starts for ABCat_30:

(Start: 40 @29275 has 522 MA's), (46, 29359), (47, 29389), (55, 29476),

Gene: ABU_58 Start: 49145, Stop: 48855, Start Num: 39

Candidate Starts for ABU_58:

(Start: 35 @49220 has 53 MA's), (Start: 39 @49145 has 173 MA's), (43, 49106), (46, 49064), (48, 48989), (50, 48983), (56, 48944),

Gene: AFIS_36 Start: 29218, Stop: 29502, Start Num: 40

Candidate Starts for AFIS_36:

(Start: 40 @29218 has 522 MA's), (55, 29419),

Gene: Abbyshoes_38 Start: 29147, Stop: 29443, Start Num: 40

Candidate Starts for Abbyshoes_38:

(Start: 40 @29147 has 522 MA's), (52, 29321),

Gene: Abrogate_370 Start: 29893, Stop: 30177, Start Num: 40

Candidate Starts for Abrogate_370:

(Start: 40 @29893 has 522 MA's), (55, 30094),

Gene: AbsoluteMadLad_56 Start: 48857, Stop: 48567, Start Num: 39

Candidate Starts for AbsoluteMadLad_56:

(Start: 35 @48932 has 53 MA's), (Start: 39 @48857 has 173 MA's), (43, 48818), (46, 48776), (48, 48701), (50, 48695), (56, 48656),

Gene: Acme_39 Start: 29434, Stop: 29730, Start Num: 40

Candidate Starts for Acme_39:

(Start: 40 @29434 has 522 MA's), (52, 29608), (58, 29665),

Gene: Adahisdi_37 Start: 29304, Stop: 29600, Start Num: 40

Candidate Starts for Adahisdi_37:

(Start: 40 @29304 has 522 MA's), (52, 29478),

Gene: Adnama_34 Start: 29790, Stop: 30074, Start Num: 40

Candidate Starts for Adnama_34:

(Start: 40 @29790 has 522 MA's), (46, 29874), (47, 29904), (55, 29991),

Gene: Adriana_58 Start: 49142, Stop: 48852, Start Num: 39

Candidate Starts for Adriana_58:

(Start: 35 @49217 has 53 MA's), (Start: 39 @49142 has 173 MA's), (43, 49103), (46, 49061), (48, 48986), (50, 48980), (56, 48941),

Gene: Aelin_56 Start: 48421, Stop: 48131, Start Num: 39

Candidate Starts for Aelin_56:

(Start: 35 @48496 has 53 MA's), (Start: 39 @48421 has 173 MA's), (43, 48382), (46, 48340), (48, 48265), (50, 48259), (56, 48220),

Gene: Aeneas_39 Start: 29470, Stop: 29754, Start Num: 40

Candidate Starts for Aeneas_39:

(Start: 40 @29470 has 522 MA's), (55, 29671),

Gene: Ajay_37 Start: 29043, Stop: 29339, Start Num: 40

Candidate Starts for Ajay_37:

(Start: 40 @29043 has 522 MA's), (52, 29217),

Gene: Alexphander_28 Start: 25965, Stop: 26249, Start Num: 40

Candidate Starts for Alexphander_28:

(Start: 40 @25965 has 522 MA's), (55, 26166), (61, 26196),

Gene: AlpineSix_27 Start: 25662, Stop: 25946, Start Num: 40

Candidate Starts for AlpineSix_27:

(Start: 40 @25662 has 522 MA's), (55, 25863),

Gene: Alsfro_40 Start: 29435, Stop: 29731, Start Num: 40

Candidate Starts for Alsfro_40:

(Start: 40 @29435 has 522 MA's), (53, 29612),

Gene: AltPhacts_56 Start: 48170, Stop: 47880, Start Num: 39

Candidate Starts for AltPhacts_56:

(Start: 35 @48245 has 53 MA's), (Start: 39 @48170 has 173 MA's), (43, 48131), (46, 48089), (48, 48014), (50, 48008), (56, 47969),

Gene: Altman_38 Start: 29925, Stop: 30209, Start Num: 40

Candidate Starts for Altman_38:

(Start: 40 @29925 has 522 MA's), (55, 30126),

Gene: Altwerkus_55 Start: 48309, Stop: 48019, Start Num: 39

Candidate Starts for Altwerkus_55:

(Start: 35 @48384 has 53 MA's), (Start: 39 @48309 has 173 MA's), (43, 48270), (46, 48228), (48, 48153), (50, 48147), (56, 48108),

Gene: Alvin_37 Start: 29559, Stop: 29855, Start Num: 40

Candidate Starts for Alvin_37:

(Start: 40 @29559 has 522 MA's), (52, 29733), (58, 29790),

Gene: Amao_31 Start: 28487, Stop: 28771, Start Num: 40

Candidate Starts for Amao_31:

(36, 28427), (Start: 40 @28487 has 522 MA's), (46, 28571), (47, 28601), (55, 28688),

Gene: AmericanBeauty_34 Start: 29270, Stop: 29554, Start Num: 40

Candidate Starts for AmericanBeauty_34:

(Start: 40 @29270 has 522 MA's), (46, 29354), (47, 29384), (55, 29471),

Gene: Anderson_58 Start: 48956, Stop: 48591, Start Num: 35

Candidate Starts for Anderson_58:

(Start: 35 @48956 has 53 MA's), (Start: 39 @48881 has 173 MA's), (43, 48842), (46, 48800), (48, 48725), (50, 48719), (56, 48680),

Gene: Andre_60 Start: 49057, Stop: 48767, Start Num: 39

Candidate Starts for Andre_60:

(Start: 35 @49132 has 53 MA's), (Start: 39 @49057 has 173 MA's), (43, 49018), (46, 48976), (48, 48901), (50, 48895), (56, 48856),

Gene: Anglerfish_38 Start: 29394, Stop: 29690, Start Num: 40

Candidate Starts for Anglerfish_38:

(Start: 40 @29394 has 522 MA's), (52, 29568), (58, 29625),

Gene: Antonia_56 Start: 48496, Stop: 48131, Start Num: 35

Candidate Starts for Antonia_56:

(Start: 35 @48496 has 53 MA's), (Start: 39 @48421 has 173 MA's), (43, 48382), (46, 48340), (48, 48265), (50, 48259), (56, 48220),

Gene: Apizium_56 Start: 48015, Stop: 47725, Start Num: 39

Candidate Starts for Apizium_56:

(Start: 35 @48090 has 53 MA's), (Start: 39 @48015 has 173 MA's), (43, 47976), (46, 47934), (48, 47859), (50, 47853), (56, 47814),

Gene: ArcusAngelus_26 Start: 25425, Stop: 25721, Start Num: 40

Candidate Starts for ArcusAngelus_26:

(Start: 22 @25305 has 1 MA's), (32, 25332), (Start: 40 @25425 has 522 MA's), (53, 25602), (56, 25632), (58, 25656), (61, 25668),

Gene: Ardmore_26 Start: 25457, Stop: 25741, Start Num: 40

Candidate Starts for Ardmore_26:

(Start: 40 @25457 has 522 MA's), (55, 25658), (61, 25688),

Gene: Argent26_33 Start: 29273, Stop: 29557, Start Num: 40

Candidate Starts for Argent26_33:

(Start: 40 @29273 has 522 MA's), (46, 29357), (47, 29387), (55, 29474),

Gene: Ariel_41 Start: 34489, Stop: 34785, Start Num: 40

Candidate Starts for Ariel_41:

(Start: 22 @34369 has 1 MA's), (30, 34387), (34, 34411), (Start: 40 @34489 has 522 MA's), (54, 34684),

Gene: Arlo_35 Start: 28992, Stop: 29276, Start Num: 40

Candidate Starts for Arlo_35:

(Start: 40 @28992 has 522 MA's), (55, 29193),

Gene: Ashballer_38 Start: 29862, Stop: 30146, Start Num: 40

Candidate Starts for Ashballer_38:

(Start: 40 @29862 has 522 MA's), (55, 30063),

Gene: Ashraf_58 Start: 48622, Stop: 48332, Start Num: 39

Candidate Starts for Ashraf_58:

(37, 48682), (Start: 39 @48622 has 173 MA's), (43, 48583), (46, 48541), (48, 48466), (50, 48460), (56, 48421),

Gene: Asriel_30 Start: 28144, Stop: 28428, Start Num: 40
Candidate Starts for Asriel_30:
(Start: 40 @28144 has 522 MA's), (46, 28228), (47, 28258), (55, 28345),

Gene: Atkinbua_38 Start: 29407, Stop: 29691, Start Num: 40
Candidate Starts for Atkinbua_38:
(Start: 40 @29407 has 522 MA's), (55, 29608),

Gene: Aubs_26 Start: 25573, Stop: 25857, Start Num: 40
Candidate Starts for Aubs_26:
(Start: 40 @25573 has 522 MA's), (55, 25774), (61, 25804),

Gene: Avani_29 Start: 24218, Stop: 24514, Start Num: 40
Candidate Starts for Avani_29:
(Start: 40 @24218 has 522 MA's), (46, 24302), (47, 24332), (48, 24380), (53, 24395), (56, 24425), (57, 24440), (58, 24449), (61, 24461),

Gene: Awesomesauce_27 Start: 25307, Stop: 25591, Start Num: 40
Candidate Starts for Awesomesauce_27:
(Start: 40 @25307 has 522 MA's), (55, 25508), (61, 25538),

Gene: BAKA_44 Start: 37926, Stop: 38222, Start Num: 40
Candidate Starts for BAKA_44:
(Start: 40 @37926 has 522 MA's), (54, 38121),

Gene: BPBiabs31_37 Start: 29435, Stop: 29731, Start Num: 40
Candidate Starts for BPBiabs31_37:
(Start: 40 @29435 has 522 MA's), (52, 29609), (58, 29666),

Gene: BaboJay_30 Start: 28833, Stop: 29117, Start Num: 40
Candidate Starts for BaboJay_30:
(Start: 40 @28833 has 522 MA's), (46, 28917), (47, 28947), (55, 29034),

Gene: BaconJack_39 Start: 29467, Stop: 29751, Start Num: 40
Candidate Starts for BaconJack_39:
(Start: 40 @29467 has 522 MA's), (55, 29668),

Gene: BadStone_30 Start: 29275, Stop: 29559, Start Num: 40
Candidate Starts for BadStone_30:
(Start: 40 @29275 has 522 MA's), (46, 29359), (47, 29389), (55, 29476),

Gene: Badfish_58 Start: 49167, Stop: 48877, Start Num: 39
Candidate Starts for Badfish_58:
(Start: 35 @49242 has 53 MA's), (Start: 39 @49167 has 173 MA's), (43, 49128), (46, 49086), (48, 49011), (50, 49005), (56, 48966),

Gene: Balomoji_30 Start: 29009, Stop: 29293, Start Num: 40
Candidate Starts for Balomoji_30:
(Start: 40 @29009 has 522 MA's), (46, 29093), (47, 29123), (55, 29210),

Gene: Banjo_56 Start: 48689, Stop: 48324, Start Num: 35
Candidate Starts for Banjo_56:
(Start: 35 @48689 has 53 MA's), (Start: 39 @48614 has 173 MA's), (43, 48575), (46, 48533), (48, 48458), (50, 48452), (56, 48413),

Gene: Barbarian_30 Start: 28144, Stop: 28428, Start Num: 40
Candidate Starts for Barbarian_30:
(Start: 40 @28144 has 522 MA's), (46, 28228), (47, 28258), (55, 28345),

Gene: Barriga_36 Start: 28587, Stop: 28871, Start Num: 40
Candidate Starts for Barriga_36:
(Start: 40 @28587 has 522 MA's), (55, 28788),

Gene: Basato_57 Start: 48889, Stop: 48599, Start Num: 39
Candidate Starts for Basato_57:
(Start: 35 @48964 has 53 MA's), (Start: 39 @48889 has 173 MA's), (43, 48850), (46, 48808), (48, 48733), (50, 48727), (56, 48688),

Gene: Bask21_31 Start: 28461, Stop: 28745, Start Num: 40
Candidate Starts for Bask21_31:
(Start: 40 @28461 has 522 MA's), (46, 28545), (47, 28575), (55, 28662),

Gene: Batiatus_26 Start: 25465, Stop: 25749, Start Num: 40
Candidate Starts for Batiatus_26:
(28, 25357), (Start: 40 @25465 has 522 MA's), (55, 25666), (61, 25696),

Gene: BatteryCK_57 Start: 48562, Stop: 48272, Start Num: 39
Candidate Starts for BatteryCK_57:
(37, 48622), (Start: 39 @48562 has 173 MA's), (43, 48523), (46, 48481), (48, 48406), (50, 48400), (56, 48361),

Gene: Beaglebox_57 Start: 48795, Stop: 48430, Start Num: 35
Candidate Starts for Beaglebox_57:
(Start: 35 @48795 has 53 MA's), (Start: 39 @48720 has 173 MA's), (43, 48681), (46, 48639), (48, 48564), (50, 48558), (56, 48519),

Gene: Beakin_27 Start: 25322, Stop: 25618, Start Num: 40
Candidate Starts for Beakin_27:
(Start: 40 @25322 has 522 MA's), (52, 25496), (58, 25553),

Gene: Beatrix_36 Start: 30382, Stop: 30678, Start Num: 40
Candidate Starts for Beatrix_36:
(Start: 40 @30382 has 522 MA's), (52, 30556), (58, 30613),

Gene: BeesKnees_37 Start: 29015, Stop: 29311, Start Num: 40
Candidate Starts for BeesKnees_37:
(Start: 40 @29015 has 522 MA's), (52, 29189),

Gene: Bench_33 Start: 29143, Stop: 29427, Start Num: 40
Candidate Starts for Bench_33:
(Start: 40 @29143 has 522 MA's), (46, 29227), (47, 29257), (55, 29344),

Gene: Bethlehem_36 Start: 29724, Stop: 30020, Start Num: 40

Candidate Starts for Bethlehem_36:

(Start: 40 @29724 has 522 MA's), (52, 29898), (58, 29955),

Gene: Bexan_34 Start: 29925, Stop: 30221, Start Num: 40

Candidate Starts for Bexan_34:

(Start: 40 @29925 has 522 MA's), (51, 30096), (56, 30132),

Gene: Big3_36 Start: 29602, Stop: 29898, Start Num: 40

Candidate Starts for Big3_36:

(Start: 40 @29602 has 522 MA's), (52, 29776), (58, 29833),

Gene: BigBubba_32 Start: 29046, Stop: 29330, Start Num: 40

Candidate Starts for BigBubba_32:

(Start: 40 @29046 has 522 MA's), (46, 29130), (47, 29160), (55, 29247),

Gene: BigMau_38 Start: 29139, Stop: 29435, Start Num: 40

Candidate Starts for BigMau_38:

(Start: 40 @29139 has 522 MA's), (52, 29313), (58, 29370),

Gene: BilboSwaggins_31 Start: 29283, Stop: 29567, Start Num: 40

Candidate Starts for BilboSwaggins_31:

(Start: 40 @29283 has 522 MA's), (46, 29367), (47, 29397), (55, 29484),

Gene: BillKnuckles_37 Start: 29831, Stop: 30115, Start Num: 40

Candidate Starts for BillKnuckles_37:

(Start: 40 @29831 has 522 MA's), (55, 30032),

Gene: Bipolar_23 Start: 24488, Stop: 24781, Start Num: 40

Candidate Starts for Bipolar_23:

(Start: 40 @24488 has 522 MA's), (55, 24698), (61, 24728),

Gene: Bircsak_36 Start: 29447, Stop: 29731, Start Num: 40

Candidate Starts for Bircsak_36:

(Start: 40 @29447 has 522 MA's), (55, 29648),

Gene: Bishoperium_57 Start: 49153, Stop: 48863, Start Num: 39

Candidate Starts for Bishoperium_57:

(Start: 35 @49228 has 53 MA's), (Start: 39 @49153 has 173 MA's), (43, 49114), (46, 49072), (48, 48997), (50, 48991), (56, 48952),

Gene: BlackStallion_58 Start: 48615, Stop: 48325, Start Num: 39

Candidate Starts for BlackStallion_58:

(Start: 35 @48690 has 53 MA's), (Start: 39 @48615 has 173 MA's), (43, 48576), (46, 48534), (48, 48459), (50, 48453), (56, 48414),

Gene: Blarby_34 Start: 25872, Stop: 26156, Start Num: 40

Candidate Starts for Blarby_34:

(21, 25752), (34, 25794), (Start: 40 @25872 has 522 MA's), (55, 26073),

Gene: Blexus_26 Start: 25744, Stop: 26040, Start Num: 40

Candidate Starts for Blexus_26:

(Start: 40 @25744 has 522 MA's), (51, 25915), (52, 25918), (56, 25951),

Gene: Blue_36 Start: 29443, Stop: 29727, Start Num: 40

Candidate Starts for Blue_36:

(Start: 40 @29443 has 522 MA's), (55, 29644),

Gene: BlueCrab_26 Start: 25608, Stop: 25904, Start Num: 40

Candidate Starts for BlueCrab_26:

(Start: 40 @25608 has 522 MA's), (47, 25722), (48, 25770), (53, 25785), (54, 25803), (56, 25815), (58, 25839), (61, 25851),

Gene: BlueHusk_58 Start: 48437, Stop: 48147, Start Num: 39

Candidate Starts for BlueHusk_58:

(Start: 35 @48512 has 53 MA's), (Start: 39 @48437 has 173 MA's), (43, 48398), (46, 48356), (48, 48281), (50, 48275), (56, 48236),

Gene: Bluephacebaby_57 Start: 49156, Stop: 48866, Start Num: 39

Candidate Starts for Bluephacebaby_57:

(Start: 35 @49231 has 53 MA's), (Start: 39 @49156 has 173 MA's), (43, 49117), (46, 49075), (48, 49000), (50, 48994), (56, 48955),

Gene: Bob3_35 Start: 28484, Stop: 28780, Start Num: 40

Candidate Starts for Bob3_35:

(Start: 40 @28484 has 522 MA's), (52, 28658),

Gene: BobaPhett_26 Start: 25596, Stop: 25892, Start Num: 40

Candidate Starts for BobaPhett_26:

(Start: 40 @25596 has 522 MA's), (47, 25710), (51, 25767), (52, 25770), (56, 25803),

Gene: Bobi_28 Start: 26180, Stop: 26464, Start Num: 40

Candidate Starts for Bobi_28:

(Start: 40 @26180 has 522 MA's), (55, 26381), (61, 26411),

Gene: BodEinwohner17_26 Start: 25763, Stop: 26047, Start Num: 40

Candidate Starts for BodEinwohner17_26:

(Start: 40 @25763 has 522 MA's), (55, 25964), (61, 25994),

Gene: Boehler_56 Start: 48598, Stop: 48308, Start Num: 40

Candidate Starts for Boehler_56:

(Start: 40 @48598 has 522 MA's), (43, 48559), (46, 48517), (48, 48442), (50, 48436), (56, 48397),

Gene: Bones_36 Start: 28840, Stop: 29136, Start Num: 40

Candidate Starts for Bones_36:

(Start: 40 @28840 has 522 MA's), (52, 29014),

Gene: Boomer_27 Start: 25224, Stop: 25520, Start Num: 40

Candidate Starts for Boomer_27:

(Start: 40 @25224 has 522 MA's), (47, 25338), (51, 25395), (52, 25398), (56, 25431),

Gene: Brilliant_59 Start: 49156, Stop: 48866, Start Num: 40

Candidate Starts for Brilliant_59:

(37, 49216), (Start: 40 @49156 has 522 MA's), (43, 49117), (46, 49075), (48, 49000), (50, 48994), (56, 48955),

Gene: Briton15_38 Start: 29242, Stop: 29526, Start Num: 40

Candidate Starts for Briton15_38:
(Start: 40 @29242 has 522 MA's), (55, 29443),

Gene: Bruin_31 Start: 29303, Stop: 29587, Start Num: 40
Candidate Starts for Bruin_31:
(Start: 40 @29303 has 522 MA's), (46, 29387), (47, 29417), (55, 29504),

Gene: Bruns_35 Start: 28922, Stop: 29206, Start Num: 40
Candidate Starts for Bruns_35:
(Start: 40 @28922 has 522 MA's), (55, 29123),

Gene: Bubbles123_27 Start: 26145, Stop: 26429, Start Num: 40
Candidate Starts for Bubbles123_27:
(Start: 22 @26022 has 1 MA's), (30, 26040), (34, 26064), (Start: 40 @26145 has 522 MA's), (55, 26346), (61, 26376),

Gene: Buck_30 Start: 29239, Stop: 29523, Start Num: 40
Candidate Starts for Buck_30:
(Start: 40 @29239 has 522 MA's), (46, 29323), (47, 29353), (55, 29440),

Gene: Buckeye_56 Start: 48667, Stop: 48377, Start Num: 39
Candidate Starts for Buckeye_56:
(Start: 35 @48742 has 53 MA's), (Start: 39 @48667 has 173 MA's), (43, 48628), (46, 48586), (48, 48511), (50, 48505), (56, 48466),

Gene: BugsBunny_29 Start: 28872, Stop: 29156, Start Num: 40
Candidate Starts for BugsBunny_29:
(Start: 40 @28872 has 522 MA's), (46, 28956), (47, 28986), (55, 29073),

Gene: Burr_57 Start: 48706, Stop: 48341, Start Num: 35
Candidate Starts for Burr_57:
(Start: 35 @48706 has 53 MA's), (Start: 39 @48631 has 173 MA's), (43, 48592), (46, 48550), (48, 48475), (50, 48469), (56, 48430),

Gene: Burton_37 Start: 29092, Stop: 29388, Start Num: 40
Candidate Starts for Burton_37:
(Start: 40 @29092 has 522 MA's), (52, 29266), (58, 29323),

Gene: Burwell21_26 Start: 25630, Stop: 25914, Start Num: 40
Candidate Starts for Burwell21_26:
(Start: 40 @25630 has 522 MA's), (55, 25831), (61, 25861),

Gene: BuzzLyseyear_28 Start: 25976, Stop: 26260, Start Num: 40
Candidate Starts for BuzzLyseyear_28:
(Start: 40 @25976 has 522 MA's), (55, 26177), (61, 26207),

Gene: Bxb1_34 Start: 29055, Stop: 29339, Start Num: 40
Candidate Starts for Bxb1_34:
(Start: 40 @29055 has 522 MA's), (55, 29256),

Gene: ByChance_26 Start: 25607, Stop: 25891, Start Num: 40
Candidate Starts for ByChance_26:
(Start: 40 @25607 has 522 MA's), (55, 25808), (61, 25838),

Gene: Byougenkin_26 Start: 25459, Stop: 25743, Start Num: 40

Candidate Starts for Byougenkin_26:

(Start: 40 @25459 has 522 MA's), (55, 25660), (61, 25690),

Gene: Cabrinians_26 Start: 25624, Stop: 25920, Start Num: 40

Candidate Starts for Cabrinians_26:

(Start: 40 @25624 has 522 MA's), (47, 25738), (51, 25795), (52, 25798), (56, 25831),

Gene: Cactus_32 Start: 28494, Stop: 28778, Start Num: 40

Candidate Starts for Cactus_32:

(Start: 40 @28494 has 522 MA's), (46, 28578), (47, 28608), (55, 28695),

Gene: CamL_57 Start: 48921, Stop: 48631, Start Num: 39

Candidate Starts for CamL_57:

(Start: 35 @48996 has 53 MA's), (Start: 39 @48921 has 173 MA's), (43, 48882), (46, 48840), (48, 48765), (50, 48759), (56, 48720),

Gene: CampRoach_58 Start: 49061, Stop: 48771, Start Num: 39

Candidate Starts for CampRoach_58:

(Start: 35 @49136 has 53 MA's), (Start: 39 @49061 has 173 MA's), (43, 49022), (46, 48980), (48, 48905), (50, 48899), (56, 48860),

Gene: Cannibal_57 Start: 48904, Stop: 48614, Start Num: 39

Candidate Starts for Cannibal_57:

(Start: 35 @48979 has 53 MA's), (Start: 39 @48904 has 173 MA's), (43, 48865), (46, 48823), (48, 48748), (50, 48742), (56, 48703),

Gene: CaptainTrips_27 Start: 25838, Stop: 26122, Start Num: 40

Candidate Starts for CaptainTrips_27:

(Start: 40 @25838 has 522 MA's), (55, 26039), (61, 26069),

Gene: Carthage_55 Start: 47899, Stop: 47609, Start Num: 39

Candidate Starts for Carthage_55:

(Start: 35 @47974 has 53 MA's), (Start: 39 @47899 has 173 MA's), (43, 47860), (46, 47818), (48, 47743), (50, 47737), (56, 47698),

Gene: Chaelin_58 Start: 49151, Stop: 48861, Start Num: 39

Candidate Starts for Chaelin_58:

(Start: 35 @49226 has 53 MA's), (Start: 39 @49151 has 173 MA's), (43, 49112), (46, 49070), (48, 48995), (50, 48989), (56, 48950),

Gene: Chah_59 Start: 48608, Stop: 48318, Start Num: 39

Candidate Starts for Chah_59:

(Start: 35 @48683 has 53 MA's), (Start: 39 @48608 has 173 MA's), (43, 48569), (46, 48527), (48, 48452), (50, 48446), (56, 48407),

Gene: Chanagan_35 Start: 28535, Stop: 28831, Start Num: 40

Candidate Starts for Chanagan_35:

(Start: 40 @28535 has 522 MA's), (52, 28709), (58, 28766),

Gene: Charles1_58 Start: 48917, Stop: 48627, Start Num: 40

Candidate Starts for Charles1_58:

(37, 48977), (Start: 40 @48917 has 522 MA's), (43, 48878), (46, 48836), (48, 48761), (50, 48755), (56, 48716),

Gene: CharlieGBrown_57 Start: 48507, Stop: 48217, Start Num: 39

Candidate Starts for CharlieGBrown_57:

(Start: 39 @48507 has 173 MA's), (43, 48468), (46, 48426), (48, 48351), (50, 48345), (56, 48306),

Gene: Che8_27 Start: 25602, Stop: 25898, Start Num: 40

Candidate Starts for Che8_27:

(1, 25011), (2, 25047), (3, 25083), (4, 25089), (6, 25140), (7, 25155), (8, 25158), (9, 25161), (10, 25167), (11, 25215), (12, 25284), (13, 25329), (15, 25344), (21, 25479), (Start: 40 @25602 has 522 MA's), (53, 25779), (58, 25833),

Gene: Che9d_29 Start: 24226, Stop: 24522, Start Num: 40

Candidate Starts for Che9d_29:

(Start: 40 @24226 has 522 MA's), (46, 24310), (47, 24340), (48, 24388), (53, 24403), (56, 24433), (57, 24448), (58, 24457), (61, 24469),

Gene: CheetO_56 Start: 48637, Stop: 48347, Start Num: 39

Candidate Starts for CheetO_56:

(Start: 35 @48712 has 53 MA's), (Start: 39 @48637 has 173 MA's), (43, 48598), (46, 48556), (48, 48481), (50, 48475), (56, 48436),

Gene: Cher_57 Start: 49248, Stop: 48883, Start Num: 35

Candidate Starts for Cher_57:

(Start: 35 @49248 has 53 MA's), (Start: 39 @49173 has 173 MA's), (43, 49134), (46, 49092), (48, 49017), (50, 49011), (56, 48972),

Gene: Chevrolet_25 Start: 25426, Stop: 25722, Start Num: 40

Candidate Starts for Chevrolet_25:

(Start: 22 @25306 has 1 MA's), (32, 25333), (Start: 40 @25426 has 522 MA's), (53, 25603), (56, 25633), (58, 25657), (61, 25669),

Gene: ChickenDinner_28 Start: 26033, Stop: 26317, Start Num: 40

Candidate Starts for ChickenDinner_28:

(Start: 40 @26033 has 522 MA's), (55, 26234), (61, 26264),

Gene: Childish_57 Start: 49183, Stop: 48893, Start Num: 39

Candidate Starts for Childish_57:

(Start: 35 @49258 has 53 MA's), (Start: 39 @49183 has 173 MA's), (43, 49144), (46, 49102), (48, 49027), (50, 49021), (56, 48982),

Gene: Chorkpop_57 Start: 48660, Stop: 48370, Start Num: 39

Candidate Starts for Chorkpop_57:

(Start: 35 @48735 has 53 MA's), (Start: 39 @48660 has 173 MA's), (43, 48621), (46, 48579), (48, 48504), (50, 48498), (56, 48459),

Gene: ChosenOne_31 Start: 28491, Stop: 28775, Start Num: 40

Candidate Starts for ChosenOne_31:

(Start: 40 @28491 has 522 MA's), (46, 28575), (47, 28605), (55, 28692),

Gene: ChotaBhai_31 Start: 28529, Stop: 28813, Start Num: 40

Candidate Starts for ChotaBhai_31:

(Start: 40 @28529 has 522 MA's), (46, 28613), (47, 28643), (55, 28730),

Gene: Chuckly_26 Start: 25606, Stop: 25890, Start Num: 40

Candidate Starts for Chuckly_26:

(Start: 40 @25606 has 522 MA's), (55, 25807),

Gene: Chunky_55 Start: 47967, Stop: 47677, Start Num: 39

Candidate Starts for Chunky_55:

(Start: 35 @48042 has 53 MA's), (Start: 39 @47967 has 173 MA's), (43, 47928), (46, 47886), (48, 47811), (50, 47805), (56, 47766),

Gene: Chute_57 Start: 48978, Stop: 48688, Start Num: 40

Candidate Starts for Chute_57:

(37, 49038), (Start: 40 @48978 has 522 MA's), (43, 48939), (46, 48897), (48, 48822), (50, 48816), (56, 48777),

Gene: Ciao_36 Start: 28900, Stop: 29196, Start Num: 40

Candidate Starts for Ciao_36:

(Start: 40 @28900 has 522 MA's), (52, 29074),

Gene: Cjw1_31 Start: 30043, Stop: 30327, Start Num: 40

Candidate Starts for Cjw1_31:

(Start: 40 @30043 has 522 MA's), (46, 30127), (47, 30157), (55, 30244),

Gene: Cobra_58 Start: 49027, Stop: 48662, Start Num: 35

Candidate Starts for Cobra_58:

(Start: 35 @49027 has 53 MA's), (Start: 39 @48952 has 173 MA's), (43, 48913), (46, 48871), (48, 48796), (50, 48790), (56, 48751),

Gene: Coco12_25 Start: 24940, Stop: 25224, Start Num: 40

Candidate Starts for Coco12_25:

(Start: 40 @24940 has 522 MA's), (55, 25141), (61, 25171),

Gene: Colbert_55 Start: 48019, Stop: 47729, Start Num: 39

Candidate Starts for Colbert_55:

(Start: 35 @48094 has 53 MA's), (Start: 39 @48019 has 173 MA's), (43, 47980), (46, 47938), (48, 47863), (50, 47857), (56, 47818),

Gene: Coletti_57 Start: 48978, Stop: 48688, Start Num: 40

Candidate Starts for Coletti_57:

(37, 49038), (Start: 40 @48978 has 522 MA's), (43, 48939), (46, 48897), (48, 48822), (50, 48816), (56, 48777),

Gene: Command613_32 Start: 29550, Stop: 29834, Start Num: 40

Candidate Starts for Command613_32:

(Start: 40 @29550 has 522 MA's), (46, 29634), (47, 29664), (55, 29751),

Gene: ConceptII_38 Start: 30059, Stop: 30343, Start Num: 40

Candidate Starts for ConceptII_38:

(Start: 40 @30059 has 522 MA's), (55, 30260),

Gene: Contagion_30 Start: 28787, Stop: 29071, Start Num: 40

Candidate Starts for Contagion_30:

(Start: 40 @28787 has 522 MA's), (46, 28871), (47, 28901), (55, 28988),

Gene: Cookies_31 Start: 29152, Stop: 29436, Start Num: 40

Candidate Starts for Cookies_31:

(Start: 40 @29152 has 522 MA's), (46, 29236), (47, 29266), (55, 29353),

Gene: Cornie_26 Start: 25838, Stop: 26134, Start Num: 40

Candidate Starts for Cornie_26:

(Start: 40 @25838 has 522 MA's), (51, 26009), (52, 26012), (56, 26045),

Gene: Cornobble_56 Start: 48574, Stop: 48284, Start Num: 39

Candidate Starts for Cornobble_56:

(Start: 35 @48649 has 53 MA's), (Start: 39 @48574 has 173 MA's), (43, 48535), (46, 48493), (48, 48418), (50, 48412), (56, 48373),

Gene: Cornucopia_27 Start: 25493, Stop: 25777, Start Num: 40

Candidate Starts for Cornucopia_27:

(Start: 40 @25493 has 522 MA's), (55, 25694), (61, 25724),

Gene: Corvo_37 Start: 29899, Stop: 30195, Start Num: 40

Candidate Starts for Corvo_37:

(Start: 40 @29899 has 522 MA's), (53, 30076),

Gene: Cosmolli16_58 Start: 49363, Stop: 49073, Start Num: 39

Candidate Starts for Cosmolli16_58:

(Start: 35 @49438 has 53 MA's), (Start: 39 @49363 has 173 MA's), (43, 49324), (46, 49282), (48, 49207), (50, 49201), (56, 49162),

Gene: Courthouse_41 Start: 34893, Stop: 35189, Start Num: 40

Candidate Starts for Courthouse_41:

(Start: 22 @34773 has 1 MA's), (30, 34791), (34, 34815), (Start: 40 @34893 has 522 MA's), (54, 35088),

Gene: Craff_60 Start: 49683, Stop: 49318, Start Num: 35

Candidate Starts for Craff_60:

(Start: 35 @49683 has 53 MA's), (Start: 39 @49608 has 173 MA's), (43, 49569), (46, 49527), (48, 49452), (50, 49446), (56, 49407),

Gene: Crispicous1_35 Start: 28498, Stop: 28794, Start Num: 40

Candidate Starts for Crispicous1_35:

(Start: 40 @28498 has 522 MA's), (52, 28672), (58, 28729),

Gene: Crownjwl_57 Start: 48640, Stop: 48350, Start Num: 39

Candidate Starts for Crownjwl_57:

(Start: 35 @48715 has 53 MA's), (Start: 39 @48640 has 173 MA's), (43, 48601), (46, 48559), (48, 48484), (50, 48478), (56, 48439),

Gene: CrystalP_31 Start: 29283, Stop: 29567, Start Num: 40

Candidate Starts for CrystalP_31:

(Start: 40 @29283 has 522 MA's), (46, 29367), (47, 29397), (55, 29484),

Gene: Cueylyss_36 Start: 29073, Stop: 29369, Start Num: 40

Candidate Starts for Cueylyss_36:

(Start: 40 @29073 has 522 MA's), (52, 29247),

Gene: Czyszczone1_32 Start: 29028, Stop: 29312, Start Num: 40

Candidate Starts for Czyszczone1_32:

(Start: 40 @29028 has 522 MA's), (46, 29112), (47, 29142), (55, 29229),

Gene: DD5_37 Start: 29832, Stop: 30116, Start Num: 40

Candidate Starts for DD5_37:

(Start: 40 @29832 has 522 MA's), (55, 30033),

Gene: DLane_26 Start: 25430, Stop: 25726, Start Num: 40

Candidate Starts for DLane_26:

(Start: 40 @25430 has 522 MA's), (52, 25604), (58, 25661),

Gene: DRBy19_26 Start: 25466, Stop: 25762, Start Num: 40

Candidate Starts for DRBy19_26:

(Start: 40 @25466 has 522 MA's), (47, 25580), (51, 25637), (52, 25640), (56, 25673),

Gene: DaWorst_28 Start: 25972, Stop: 26256, Start Num: 40

Candidate Starts for DaWorst_28:

(Start: 40 @25972 has 522 MA's), (55, 26173), (61, 26203),

Gene: DaddyDaniels_59 Start: 49140, Stop: 48850, Start Num: 39

Candidate Starts for DaddyDaniels_59:

(37, 49200), (Start: 39 @49140 has 173 MA's), (43, 49101), (46, 49059), (48, 48984), (50, 48978), (56, 48939),

Gene: DaddyRickover_26 Start: 25612, Stop: 25896, Start Num: 40

Candidate Starts for DaddyRickover_26:

(Start: 40 @25612 has 522 MA's), (55, 25813), (61, 25843),

Gene: Daenerys_26 Start: 25440, Stop: 25736, Start Num: 40

Candidate Starts for Daenerys_26:

(Start: 40 @25440 has 522 MA's), (47, 25554), (48, 25602), (53, 25617), (54, 25635), (56, 25647), (58, 25671), (61, 25683),

Gene: Daffy_57 Start: 48721, Stop: 48356, Start Num: 35

Candidate Starts for Daffy_57:

(Start: 35 @48721 has 53 MA's), (Start: 39 @48646 has 173 MA's), (43, 48607), (46, 48565), (48, 48490), (50, 48484), (56, 48445),

Gene: Daikon_30 Start: 29021, Stop: 29305, Start Num: 40

Candidate Starts for Daikon_30:

(Start: 40 @29021 has 522 MA's), (46, 29105), (47, 29135), (55, 29222),

Gene: Daka_59 Start: 48920, Stop: 48630, Start Num: 39

Candidate Starts for Daka_59:

(Start: 35 @48995 has 53 MA's), (Start: 39 @48920 has 173 MA's), (43, 48881), (46, 48839), (48, 48764), (50, 48758), (56, 48719),

Gene: Dante_26 Start: 25486, Stop: 25782, Start Num: 40

Candidate Starts for Dante_26:

(Start: 22 @25366 has 1 MA's), (30, 25384), (34, 25408), (Start: 40 @25486 has 522 MA's), (47, 25600), (51, 25657), (52, 25660), (56, 25693),

Gene: Dati_57 Start: 49178, Stop: 48888, Start Num: 39

Candidate Starts for Dati_57:

(Start: 35 @49253 has 53 MA's), (Start: 39 @49178 has 173 MA's), (43, 49139), (46, 49097), (48, 49022), (50, 49016), (56, 48977),

Gene: DeadP_26 Start: 25624, Stop: 25908, Start Num: 40

Candidate Starts for DeadP_26:

(Start: 40 @25624 has 522 MA's), (55, 25825), (61, 25855),

Gene: Deb65_26 Start: 25439, Stop: 25723, Start Num: 40

Candidate Starts for Deb65_26:

(Start: 40 @25439 has 522 MA's), (55, 25640), (61, 25670),

Gene: DelRivs_56 Start: 48623, Stop: 48333, Start Num: 40

Candidate Starts for DelRivs_56:

(37, 48683), (Start: 40 @48623 has 522 MA's), (43, 48584), (46, 48542), (48, 48467), (50, 48461), (56, 48422),

Gene: Demsculpinboyz_29 Start: 24212, Stop: 24508, Start Num: 40

Candidate Starts for Demsculpinboyz_29:

(Start: 40 @24212 has 522 MA's), (46, 24296), (47, 24326), (48, 24374), (53, 24389), (56, 24419), (58, 24443), (61, 24455),

Gene: Derpp_56 Start: 48496, Stop: 48206, Start Num: 39

Candidate Starts for Derpp_56:

(37, 48556), (Start: 39 @48496 has 173 MA's), (43, 48457), (46, 48415), (48, 48340), (50, 48334), (56, 48295),

Gene: Dice_59 Start: 48587, Stop: 48297, Start Num: 39

Candidate Starts for Dice_59:

(Start: 35 @48662 has 53 MA's), (Start: 39 @48587 has 173 MA's), (43, 48548), (46, 48506), (48, 48431), (50, 48425), (56, 48386),

Gene: DillTech15_26 Start: 25459, Stop: 25743, Start Num: 40

Candidate Starts for DillTech15_26:

(Start: 40 @25459 has 522 MA's), (55, 25660), (61, 25690),

Gene: Dingo_55 Start: 47946, Stop: 47656, Start Num: 39

Candidate Starts for Dingo_55:

(Start: 35 @48021 has 53 MA's), (Start: 39 @47946 has 173 MA's), (43, 47907), (46, 47865), (48, 47790), (50, 47784), (56, 47745),

Gene: Dione_55 Start: 48318, Stop: 48028, Start Num: 39

Candidate Starts for Dione_55:

(Start: 35 @48393 has 53 MA's), (Start: 39 @48318 has 173 MA's), (43, 48279), (46, 48237), (48, 48162), (50, 48156), (56, 48117),

Gene: DirtJuice_58 Start: 48909, Stop: 48619, Start Num: 39

Candidate Starts for DirtJuice_58:

(Start: 35 @48984 has 53 MA's), (Start: 39 @48909 has 173 MA's), (43, 48870), (46, 48828), (48, 48753), (50, 48747), (56, 48708),

Gene: DirtMcgirt_27 Start: 25263, Stop: 25559, Start Num: 40

Candidate Starts for DirtMcgirt_27:

(Start: 40 @25263 has 522 MA's), (47, 25377), (51, 25434), (52, 25437), (56, 25470),

Gene: DmpstrDiver_42 Start: 37541, Stop: 37837, Start Num: 40

Candidate Starts for DmpstrDiver_42:

(Start: 22 @37421 has 1 MA's), (30, 37439), (34, 37463), (Start: 40 @37541 has 522 MA's), (54, 37736),

Gene: DocMcStuffins_27 Start: 26033, Stop: 26317, Start Num: 40

Candidate Starts for DocMcStuffins_27:

(Start: 40 @26033 has 522 MA's), (55, 26234), (61, 26264),

Gene: DoctorDiddles_31 Start: 28445, Stop: 28729, Start Num: 40

Candidate Starts for DoctorDiddles_31:

(Start: 40 @28445 has 522 MA's), (46, 28529), (47, 28559), (55, 28646),

Gene: Doddsville_57 Start: 48652, Stop: 48362, Start Num: 39

Candidate Starts for Doddsville_57:

(37, 48712), (Start: 39 @48652 has 173 MA's), (43, 48613), (46, 48571), (48, 48496), (50, 48490), (56, 48451),

Gene: DoesntMatter_55 Start: 48611, Stop: 48321, Start Num: 39

Candidate Starts for DoesntMatter_55:

(Start: 35 @48686 has 53 MA's), (Start: 39 @48611 has 173 MA's), (43, 48572), (46, 48530), (48, 48455), (50, 48449), (56, 48410),

Gene: DonSanchon_55 Start: 48418, Stop: 48053, Start Num: 35

Candidate Starts for DonSanchon_55:

(Start: 35 @48418 has 53 MA's), (Start: 39 @48343 has 173 MA's), (43, 48304), (46, 48262), (48, 48187), (50, 48181), (56, 48142),

Gene: Donkeykong_26 Start: 25610, Stop: 25906, Start Num: 40

Candidate Starts for Donkeykong_26:

(26, 25499), (34, 25532), (Start: 40 @25610 has 522 MA's), (51, 25781), (52, 25784), (56, 25817),

Gene: Doomphist_26 Start: 25549, Stop: 25845, Start Num: 40

Candidate Starts for Doomphist_26:

(Start: 40 @25549 has 522 MA's), (47, 25663), (51, 25720), (52, 25723), (56, 25756),

Gene: Dorothy_26 Start: 25397, Stop: 25681, Start Num: 40

Candidate Starts for Dorothy_26:

(Start: 40 @25397 has 522 MA's), (55, 25598), (61, 25628),

Gene: DosHalletts_29 Start: 25554, Stop: 25838, Start Num: 40

Candidate Starts for DosHalletts_29:

(Start: 40 @25554 has 522 MA's), (55, 25755), (61, 25785),

Gene: DotProduct_26 Start: 25416, Stop: 25712, Start Num: 40

Candidate Starts for DotProduct_26:

(Start: 40 @25416 has 522 MA's), (47, 25530), (51, 25587), (52, 25590), (56, 25623),

Gene: Doug_27 Start: 25989, Stop: 26273, Start Num: 40

Candidate Starts for Doug_27:

(Start: 40 @25989 has 522 MA's), (55, 26190), (61, 26220),

Gene: DrDrey_32 Start: 29775, Stop: 30059, Start Num: 40

Candidate Starts for DrDrey_32:

(Start: 40 @29775 has 522 MA's), (46, 29859), (47, 29889), (55, 29976),

Gene: DrFeelGood_35 Start: 29361, Stop: 29657, Start Num: 40

Candidate Starts for DrFeelGood_35:

(Start: 40 @29361 has 522 MA's), (52, 29535), (58, 29592),

Gene: Drago_27 Start: 25264, Stop: 25548, Start Num: 40

Candidate Starts for Drago_27:

(Start: 40 @25264 has 522 MA's), (55, 25465), (61, 25495),

Gene: DreamCatcher_39 Start: 30316, Stop: 30612, Start Num: 40

Candidate Starts for DreamCatcher_39:

(Start: 40 @30316 has 522 MA's), (52, 30490),

Gene: Dreamboat_37 Start: 28905, Stop: 29201, Start Num: 40

Candidate Starts for Dreamboat_37:

(Start: 40 @28905 has 522 MA's), (52, 29079), (58, 29136),

Gene: DuchessDung_58 Start: 48170, Stop: 47880, Start Num: 39

Candidate Starts for DuchessDung_58:

(Start: 35 @48245 has 53 MA's), (Start: 39 @48170 has 173 MA's), (43, 48131), (46, 48089), (48, 48014), (50, 48008), (56, 47969),

Gene: Duggie_57 Start: 48649, Stop: 48359, Start Num: 39

Candidate Starts for Duggie_57:

(37, 48709), (Start: 39 @48649 has 173 MA's), (43, 48610), (46, 48568), (48, 48493), (50, 48487), (56, 48448),

Gene: Duke13_44 Start: 37817, Stop: 38113, Start Num: 40

Candidate Starts for Duke13_44:

(Start: 40 @37817 has 522 MA's), (53, 37994), (58, 38048),

Gene: Dulcie_35 Start: 28612, Stop: 28896, Start Num: 40

Candidate Starts for Dulcie_35:

(Start: 40 @28612 has 522 MA's), (55, 28813),

Gene: Dumbo_31 Start: 28750, Stop: 29034, Start Num: 40

Candidate Starts for Dumbo_31:

(Start: 40 @28750 has 522 MA's), (46, 28834), (47, 28864), (55, 28951),

Gene: Durga_59 Start: 49088, Stop: 48798, Start Num: 39

Candidate Starts for Durga_59:

(37, 49148), (Start: 39 @49088 has 173 MA's), (43, 49049), (46, 49007), (48, 48932), (50, 48926), (56, 48887),

Gene: Dusk_30 Start: 28935, Stop: 29219, Start Num: 40
Candidate Starts for Dusk_30:
(Start: 40 @28935 has 522 MA's), (46, 29019), (47, 29049), (55, 29136),

Gene: Dussy_37 Start: 29167, Stop: 29463, Start Num: 40
Candidate Starts for Dussy_37:
(Start: 40 @29167 has 522 MA's), (52, 29341),

Gene: Dynamix_37 Start: 29000, Stop: 29296, Start Num: 40
Candidate Starts for Dynamix_37:
(Start: 40 @29000 has 522 MA's), (52, 29174),

Gene: Easy2Say_33 Start: 30533, Stop: 30817, Start Num: 40
Candidate Starts for Easy2Say_33:
(Start: 40 @30533 has 522 MA's), (46, 30617), (47, 30647), (55, 30734),

Gene: Edtherson_37 Start: 29850, Stop: 30134, Start Num: 40
Candidate Starts for Edtherson_37:
(Start: 40 @29850 has 522 MA's), (55, 30051),

Gene: Eish_26 Start: 25577, Stop: 25861, Start Num: 40
Candidate Starts for Eish_26:
(Start: 40 @25577 has 522 MA's), (55, 25778), (61, 25808),

Gene: EleanorGeorge_26 Start: 25732, Stop: 26016, Start Num: 40
Candidate Starts for EleanorGeorge_26:
(Start: 40 @25732 has 522 MA's), (55, 25933), (61, 25963),

Gene: Elite2014_30 Start: 28490, Stop: 28774, Start Num: 40
Candidate Starts for Elite2014_30:
(Start: 40 @28490 has 522 MA's), (46, 28574), (47, 28604), (55, 28691),

Gene: Ellie_72 Start: 50155, Stop: 50454, Start Num: 40
Candidate Starts for Ellie_72:
(Start: 40 @50155 has 522 MA's), (42, 50167), (44, 50209), (45, 50212), (49, 50320), (59, 50389), (60, 50398),

Gene: Elph10_32 Start: 28753, Stop: 29037, Start Num: 40
Candidate Starts for Elph10_32:
(Start: 40 @28753 has 522 MA's), (46, 28837), (47, 28867), (55, 28954),

Gene: Emiris_59 Start: 49056, Stop: 48766, Start Num: 39
Candidate Starts for Emiris_59:
(37, 49116), (Start: 39 @49056 has 173 MA's), (43, 49017), (46, 48975), (48, 48900), (50, 48894), (56, 48855),

Gene: Emma_26 Start: 25654, Stop: 25938, Start Num: 40
Candidate Starts for Emma_26:
(Start: 40 @25654 has 522 MA's), (55, 25855), (61, 25885),

Gene: Emmina_32 Start: 29111, Stop: 29395, Start Num: 40
Candidate Starts for Emmina_32:
(Start: 40 @29111 has 522 MA's), (46, 29195), (47, 29225), (55, 29312),

Gene: EmpTee_56 Start: 48624, Stop: 48334, Start Num: 40
Candidate Starts for EmpTee_56:
(Start: 40 @48624 has 522 MA's), (43, 48585), (46, 48543), (48, 48468), (50, 48462), (56, 48423),

Gene: Empress_27 Start: 26782, Stop: 27078, Start Num: 40
Candidate Starts for Empress_27:
(Start: 40 @26782 has 522 MA's), (47, 26896), (51, 26953), (52, 26956), (56, 26989),

Gene: Enby_27 Start: 25262, Stop: 25546, Start Num: 40
Candidate Starts for Enby_27:
(Start: 40 @25262 has 522 MA's), (55, 25463), (61, 25493),

Gene: Eradicator_26 Start: 25485, Stop: 25769, Start Num: 40
Candidate Starts for Eradicator_26:
(Start: 40 @25485 has 522 MA's), (55, 25686), (61, 25716),

Gene: Eremos_56 Start: 48617, Stop: 48327, Start Num: 39
Candidate Starts for Eremos_56:
(Start: 35 @48692 has 53 MA's), (Start: 39 @48617 has 173 MA's), (43, 48578), (46, 48536), (48, 48461), (50, 48455), (56, 48416),

Gene: Espresso_36 Start: 29202, Stop: 29486, Start Num: 40
Candidate Starts for Espresso_36:
(Start: 40 @29202 has 522 MA's), (55, 29403),

Gene: Estave1_24 Start: 24878, Stop: 25174, Start Num: 40
Candidate Starts for Estave1_24:
(23, 24758), (31, 24776), (Start: 40 @24878 has 522 MA's), (47, 24992), (51, 25049), (52, 25052), (56, 25085),

Gene: Etaye_57 Start: 49447, Stop: 49157, Start Num: 39
Candidate Starts for Etaye_57:
(Start: 35 @49522 has 53 MA's), (Start: 39 @49447 has 173 MA's), (43, 49408), (46, 49366), (48, 49291), (50, 49285), (56, 49246),

Gene: Eugenia_57 Start: 49012, Stop: 48722, Start Num: 39
Candidate Starts for Eugenia_57:
(Start: 35 @49087 has 53 MA's), (Start: 39 @49012 has 173 MA's), (43, 48973), (46, 48931), (48, 48856), (50, 48850), (56, 48811),

Gene: Euphoria_36 Start: 28995, Stop: 29279, Start Num: 40
Candidate Starts for Euphoria_36:
(Start: 40 @28995 has 522 MA's), (55, 29196),

Gene: Eureka_31 Start: 29266, Stop: 29550, Start Num: 40
Candidate Starts for Eureka_31:
(Start: 40 @29266 has 522 MA's), (46, 29350), (47, 29380), (55, 29467),

Gene: Eyeball_36 Start: 28743, Stop: 29039, Start Num: 40
Candidate Starts for Eyeball_36:
(Start: 40 @28743 has 522 MA's), (52, 28917),

Gene: Fajezeel_38 Start: 29263, Stop: 29559, Start Num: 40

Candidate Starts for Fajezeel_38:

(Start: 40 @29263 has 522 MA's), (52, 29437), (58, 29494),

Gene: Fancypants_26 Start: 25445, Stop: 25729, Start Num: 40

Candidate Starts for Fancypants_26:

(Start: 40 @25445 has 522 MA's), (55, 25646), (61, 25676),

Gene: Fang_58 Start: 48602, Stop: 48312, Start Num: 39

Candidate Starts for Fang_58:

(Start: 35 @48677 has 53 MA's), (Start: 39 @48602 has 173 MA's), (43, 48563), (46, 48521), (48, 48446), (50, 48440), (56, 48401),

Gene: Fastidio_27 Start: 25568, Stop: 25852, Start Num: 40

Candidate Starts for Fastidio_27:

(Start: 40 @25568 has 522 MA's), (55, 25769), (61, 25799),

Gene: Fenn_37 Start: 30581, Stop: 30877, Start Num: 40

Candidate Starts for Fenn_37:

(Start: 40 @30581 has 522 MA's), (52, 30755),

Gene: Filch_32 Start: 29041, Stop: 29325, Start Num: 40

Candidate Starts for Filch_32:

(Start: 40 @29041 has 522 MA's), (46, 29125), (47, 29155), (55, 29242),

Gene: Filuzino_26 Start: 25434, Stop: 25718, Start Num: 40

Candidate Starts for Filuzino_26:

(Start: 40 @25434 has 522 MA's), (55, 25635), (61, 25665),

Gene: FireRed_31 Start: 29311, Stop: 29595, Start Num: 40

Candidate Starts for FireRed_31:

(Start: 40 @29311 has 522 MA's), (46, 29395), (47, 29425), (55, 29512),

Gene: Firehouse51_27 Start: 26156, Stop: 26440, Start Num: 40

Candidate Starts for Firehouse51_27:

(Start: 40 @26156 has 522 MA's), (55, 26357), (61, 26387),

Gene: Flathead_27 Start: 25457, Stop: 25741, Start Num: 40

Candidate Starts for Flathead_27:

(34, 25379), (Start: 40 @25457 has 522 MA's), (55, 25658), (61, 25688),

Gene: Florinda_26 Start: 25455, Stop: 25739, Start Num: 40

Candidate Starts for Florinda_26:

(Start: 40 @25455 has 522 MA's), (55, 25656), (61, 25686),

Gene: FluffyNinja_58 Start: 48616, Stop: 48326, Start Num: 39

Candidate Starts for FluffyNinja_58:

(Start: 35 @48691 has 53 MA's), (Start: 39 @48616 has 173 MA's), (43, 48577), (46, 48535), (48, 48460), (50, 48454), (56, 48415),

Gene: Flypotenuse_29 Start: 28879, Stop: 29163, Start Num: 40

Candidate Starts for Flypotenuse_29:

(Start: 40 @28879 has 522 MA's), (46, 28963), (47, 28993), (55, 29080),

Gene: Forsytheast_36 Start: 29177, Stop: 29473, Start Num: 40
Candidate Starts for Forsytheast_36:
(Start: 40 @29177 has 522 MA's), (53, 29354),

Gene: Fozzie_56 Start: 48950, Stop: 48660, Start Num: 39
Candidate Starts for Fozzie_56:
(Start: 35 @49025 has 53 MA's), (Start: 39 @48950 has 173 MA's), (43, 48911), (46, 48869), (48, 48794), (50, 48788), (56, 48749),

Gene: Francis47_36 Start: 29606, Stop: 29902, Start Num: 40
Candidate Starts for Francis47_36:
(Start: 40 @29606 has 522 MA's), (52, 29780),

Gene: Frankicide_56 Start: 48648, Stop: 48358, Start Num: 39
Candidate Starts for Frankicide_56:
(Start: 35 @48723 has 53 MA's), (Start: 39 @48648 has 173 MA's), (43, 48609), (46, 48567), (48, 48492), (50, 48486), (56, 48447),

Gene: Frankie_27 Start: 25462, Stop: 25758, Start Num: 40
Candidate Starts for Frankie_27:
(14, 25201), (16, 25207), (17, 25270), (18, 25279), (Start: 40 @25462 has 522 MA's), (56, 25669),

Gene: FreddyB_26 Start: 25633, Stop: 25929, Start Num: 40
Candidate Starts for FreddyB_26:
(Start: 40 @25633 has 522 MA's), (47, 25747), (51, 25804), (52, 25807), (56, 25840),

Gene: Freya_55 Start: 48309, Stop: 48019, Start Num: 39
Candidate Starts for Freya_55:
(Start: 35 @48384 has 53 MA's), (Start: 39 @48309 has 173 MA's), (43, 48270), (46, 48228), (48, 48153), (50, 48147), (56, 48108),

Gene: FriarPreacher_56 Start: 48493, Stop: 48203, Start Num: 40
Candidate Starts for FriarPreacher_56:
(Start: 40 @48493 has 522 MA's), (43, 48454), (46, 48412), (48, 48337), (50, 48331), (56, 48292),

Gene: Fringe_61 Start: 49527, Stop: 49237, Start Num: 39
Candidate Starts for Fringe_61:
(Start: 35 @49602 has 53 MA's), (Start: 39 @49527 has 173 MA's), (43, 49488), (46, 49446), (48, 49371), (50, 49365), (56, 49326),

Gene: Fruitloop_26 Start: 25628, Stop: 25912, Start Num: 40
Candidate Starts for Fruitloop_26:
(Start: 40 @25628 has 522 MA's), (55, 25829), (61, 25859),

Gene: FugateOSU_57 Start: 49154, Stop: 48864, Start Num: 39
Candidate Starts for FugateOSU_57:
(Start: 35 @49229 has 53 MA's), (Start: 39 @49154 has 173 MA's), (43, 49115), (46, 49073), (48, 48998), (50, 48992), (56, 48953),

Gene: GUmbie_26 Start: 25445, Stop: 25741, Start Num: 40
Candidate Starts for GUmbie_26:
(Start: 40 @25445 has 522 MA's), (47, 25559), (51, 25616), (52, 25619), (56, 25652),

Gene: Gage_33 Start: 29273, Stop: 29557, Start Num: 40
Candidate Starts for Gage_33:
(Start: 40 @29273 has 522 MA's), (46, 29357), (47, 29387), (55, 29474),

Gene: Gaia_29 Start: 27981, Stop: 28280, Start Num: 40
Candidate Starts for Gaia_29:
(Start: 40 @27981 has 522 MA's), (50, 28149), (51, 28152), (52, 28155),

Gene: Galactic_26 Start: 25411, Stop: 25695, Start Num: 40
Candidate Starts for Galactic_26:
(28, 25303), (Start: 40 @25411 has 522 MA's), (55, 25612), (61, 25642),

Gene: Gandalf20_37 Start: 29791, Stop: 30087, Start Num: 40
Candidate Starts for Gandalf20_37:
(Start: 40 @29791 has 522 MA's), (52, 29965),

Gene: Gandolph_26 Start: 25538, Stop: 25822, Start Num: 40
Candidate Starts for Gandolph_26:
(Start: 40 @25538 has 522 MA's), (55, 25739), (61, 25769),

Gene: Gareth_57 Start: 49223, Stop: 48858, Start Num: 35
Candidate Starts for Gareth_57:
(Start: 35 @49223 has 53 MA's), (Start: 39 @49148 has 173 MA's), (43, 49109), (46, 49067), (48, 48992), (50, 48986), (56, 48947),

Gene: Gator_29 Start: 28891, Stop: 29175, Start Num: 40
Candidate Starts for Gator_29:
(Start: 40 @28891 has 522 MA's), (46, 28975), (47, 29005), (55, 29092),

Gene: Gemini_34 Start: 29790, Stop: 30074, Start Num: 40
Candidate Starts for Gemini_34:
(Start: 40 @29790 has 522 MA's), (46, 29874), (47, 29904), (55, 29991),

Gene: GeneCoco_57 Start: 48944, Stop: 48654, Start Num: 39
Candidate Starts for GeneCoco_57:
(37, 49004), (Start: 39 @48944 has 173 MA's), (43, 48905), (46, 48863), (48, 48788), (50, 48782), (56, 48743),

Gene: Geralt_26 Start: 25438, Stop: 25722, Start Num: 40
Candidate Starts for Geralt_26:
(Start: 40 @25438 has 522 MA's), (55, 25639), (61, 25669),

Gene: GigiOuiOui_26 Start: 25569, Stop: 25865, Start Num: 40
Candidate Starts for GigiOuiOui_26:
(Start: 40 @25569 has 522 MA's), (47, 25683), (51, 25740), (52, 25743), (56, 25776),

Gene: Girafales_27 Start: 25263, Stop: 25547, Start Num: 40
Candidate Starts for Girafales_27:
(Start: 40 @25263 has 522 MA's), (55, 25464), (61, 25494),

Gene: Giraffe_58 Start: 49144, Stop: 48854, Start Num: 39
Candidate Starts for Giraffe_58:

(Start: 35 @49219 has 53 MA's), (Start: 39 @49144 has 173 MA's), (43, 49105), (46, 49063), (48, 48988), (50, 48982), (56, 48943),

Gene: Girr_26 Start: 25408, Stop: 25704, Start Num: 40

Candidate Starts for Girr_26:

(Start: 40 @25408 has 522 MA's), (47, 25522), (51, 25579), (52, 25582), (56, 25615),

Gene: Glexan_29 Start: 28879, Stop: 29163, Start Num: 40

Candidate Starts for Glexan_29:

(Start: 40 @28879 has 522 MA's), (46, 28963), (47, 28993), (55, 29080),

Gene: Goku_31 Start: 28995, Stop: 29279, Start Num: 40

Candidate Starts for Goku_31:

(Start: 40 @28995 has 522 MA's), (46, 29079), (47, 29109), (55, 29196),

Gene: GoldenSpark_33 Start: 29273, Stop: 29557, Start Num: 40

Candidate Starts for GoldenSpark_33:

(Start: 40 @29273 has 522 MA's), (46, 29357), (47, 29387), (55, 29474),

Gene: Goldilocks_32 Start: 28693, Stop: 28977, Start Num: 40

Candidate Starts for Goldilocks_32:

(Start: 40 @28693 has 522 MA's), (46, 28777), (47, 28807), (55, 28894),

Gene: Gompeii16_36 Start: 29448, Stop: 29732, Start Num: 40

Candidate Starts for Gompeii16_36:

(Start: 40 @29448 has 522 MA's), (55, 29649),

Gene: Gonephishing_42 Start: 36102, Stop: 36398, Start Num: 40

Candidate Starts for Gonephishing_42:

(34, 36024), (Start: 40 @36102 has 522 MA's), (54, 36297),

Gene: GooberAzure_33 Start: 29273, Stop: 29557, Start Num: 40

Candidate Starts for GooberAzure_33:

(Start: 40 @29273 has 522 MA's), (46, 29357), (47, 29387), (55, 29474),

Gene: Gophee_58 Start: 48888, Stop: 48598, Start Num: 39

Candidate Starts for Gophee_58:

(Start: 35 @48963 has 53 MA's), (Start: 39 @48888 has 173 MA's), (43, 48849), (46, 48807), (48, 48732), (50, 48726), (56, 48687),

Gene: Gorge_26 Start: 25600, Stop: 25896, Start Num: 40

Candidate Starts for Gorge_26:

(Start: 40 @25600 has 522 MA's), (47, 25714), (51, 25771), (52, 25774), (56, 25807),

Gene: Graduation_38 Start: 29660, Stop: 29956, Start Num: 40

Candidate Starts for Graduation_38:

(Start: 40 @29660 has 522 MA's), (52, 29834),

Gene: Grand2040_57 Start: 49138, Stop: 48848, Start Num: 39

Candidate Starts for Grand2040_57:

(Start: 35 @49213 has 53 MA's), (Start: 39 @49138 has 173 MA's), (43, 49099), (46, 49057), (48, 48982), (50, 48976), (56, 48937),

Gene: GrecoEtereo_38 Start: 29744, Stop: 30028, Start Num: 40
Candidate Starts for GrecoEtereo_38:
(Start: 40 @29744 has 522 MA's), (55, 29945),

Gene: Greg_38 Start: 29263, Stop: 29559, Start Num: 40
Candidate Starts for Greg_38:
(Start: 40 @29263 has 522 MA's), (52, 29437), (58, 29494),

Gene: Guppsters_27 Start: 25710, Stop: 26006, Start Num: 40
Candidate Starts for Guppsters_27:
(Start: 40 @25710 has 522 MA's), (47, 25824), (51, 25881), (52, 25884), (56, 25917),

Gene: Gwendoluna_40 Start: 31062, Stop: 31358, Start Num: 40
Candidate Starts for Gwendoluna_40:
(Start: 40 @31062 has 522 MA's), (52, 31236), (58, 31293),

Gene: Gwilliam_59 Start: 49576, Stop: 49211, Start Num: 35
Candidate Starts for Gwilliam_59:
(Start: 35 @49576 has 53 MA's), (Start: 39 @49501 has 173 MA's), (43, 49462), (46, 49420), (48, 49345), (50, 49339), (56, 49300),

Gene: Gyarad_0055 Start: 48058, Stop: 47693, Start Num: 35
Candidate Starts for Gyarad_0055:
(Start: 35 @48058 has 53 MA's), (Start: 39 @47983 has 173 MA's), (43, 47944), (46, 47902), (48, 47827), (50, 47821), (56, 47782),

Gene: HSavage_56 Start: 48627, Stop: 48337, Start Num: 39
Candidate Starts for HSavage_56:
(Start: 35 @48702 has 53 MA's), (Start: 39 @48627 has 173 MA's), (43, 48588), (46, 48546), (48, 48471), (50, 48465), (56, 48426),

Gene: Hades_26 Start: 25530, Stop: 25814, Start Num: 40
Candidate Starts for Hades_26:
(Start: 40 @25530 has 522 MA's), (55, 25731), (61, 25761),

Gene: Haimas_56 Start: 48643, Stop: 48353, Start Num: 39
Candidate Starts for Haimas_56:
(Start: 35 @48718 has 53 MA's), (Start: 39 @48643 has 173 MA's), (43, 48604), (46, 48562), (48, 48487), (50, 48481), (56, 48442),

Gene: Haleema_56 Start: 48642, Stop: 48352, Start Num: 39
Candidate Starts for Haleema_56:
(Start: 35 @48717 has 53 MA's), (Start: 39 @48642 has 173 MA's), (43, 48603), (46, 48561), (48, 48486), (50, 48480), (56, 48441),

Gene: Hamish_56 Start: 48636, Stop: 48346, Start Num: 40
Candidate Starts for Hamish_56:
(37, 48696), (Start: 40 @48636 has 522 MA's), (43, 48597), (46, 48555), (48, 48480), (50, 48474), (56, 48435),

Gene: Hamulus_26 Start: 25595, Stop: 25891, Start Num: 40
Candidate Starts for Hamulus_26:

(Start: 40 @25595 has 522 MA's), (48, 25757), (53, 25772), (54, 25790), (56, 25802), (58, 25826), (61, 25838),

Gene: HanKaySha_32 Start: 29025, Stop: 29309, Start Num: 40

Candidate Starts for HanKaySha_32:

(Start: 40 @29025 has 522 MA's), (46, 29109), (47, 29139), (55, 29226),

Gene: Hannaconda_38 Start: 33474, Stop: 33770, Start Num: 40

Candidate Starts for Hannaconda_38:

(24, 33360), (25, 33363), (34, 33396), (Start: 40 @33474 has 522 MA's), (54, 33669),

Gene: Harella_30 Start: 29395, Stop: 29679, Start Num: 40

Candidate Starts for Harella_30:

(Start: 40 @29395 has 522 MA's), (46, 29479), (47, 29509), (55, 29596),

Gene: Harley_26 Start: 25382, Stop: 25678, Start Num: 40

Candidate Starts for Harley_26:

(Start: 22 @25262 has 1 MA's), (32, 25289), (Start: 40 @25382 has 522 MA's), (53, 25559), (58, 25613),

Gene: Hartsy_57 Start: 48976, Stop: 48686, Start Num: 39

Candidate Starts for Hartsy_57:

(Start: 35 @49051 has 53 MA's), (Start: 39 @48976 has 173 MA's), (43, 48937), (46, 48895), (48, 48820), (50, 48814), (56, 48775),

Gene: Harvey_56 Start: 48673, Stop: 48383, Start Num: 39

Candidate Starts for Harvey_56:

(Start: 35 @48748 has 53 MA's), (Start: 39 @48673 has 173 MA's), (43, 48634), (46, 48592), (48, 48517), (50, 48511), (56, 48472),

Gene: Hegedechwinu_27 Start: 25439, Stop: 25723, Start Num: 40

Candidate Starts for Hegedechwinu_27:

(Start: 40 @25439 has 522 MA's), (55, 25640), (61, 25670),

Gene: Held_57 Start: 48722, Stop: 48357, Start Num: 35

Candidate Starts for Held_57:

(Start: 35 @48722 has 53 MA's), (Start: 39 @48647 has 173 MA's), (43, 48608), (46, 48566), (48, 48491), (50, 48485), (56, 48446),

Gene: Henry_32 Start: 29283, Stop: 29567, Start Num: 40

Candidate Starts for Henry_32:

(Start: 40 @29283 has 522 MA's), (46, 29367), (47, 29397), (55, 29484),

Gene: HenryJackson_57 Start: 49247, Stop: 48882, Start Num: 35

Candidate Starts for HenryJackson_57:

(Start: 35 @49247 has 53 MA's), (Start: 39 @49172 has 173 MA's), (43, 49133), (46, 49091), (48, 49016), (50, 49010), (56, 48971),

Gene: Hermia_39 Start: 30464, Stop: 30760, Start Num: 40

Candidate Starts for Hermia_39:

(Start: 40 @30464 has 522 MA's), (52, 30638), (58, 30695),

Gene: HermioneGrange_36 Start: 28872, Stop: 29168, Start Num: 40

Candidate Starts for HermioneGrange_36:
(Start: 40 @28872 has 522 MA's), (52, 29046),

Gene: Hertubise_57 Start: 49014, Stop: 48649, Start Num: 35
Candidate Starts for Hertubise_57:

(Start: 35 @49014 has 53 MA's), (Start: 39 @48939 has 173 MA's), (43, 48900), (46, 48858), (48, 48783), (50, 48777), (56, 48738),

Gene: Hetaeria_56 Start: 48749, Stop: 48384, Start Num: 35
Candidate Starts for Hetaeria_56:

(Start: 35 @48749 has 53 MA's), (Start: 39 @48674 has 173 MA's), (43, 48635), (46, 48593), (48, 48518), (50, 48512), (56, 48473),

Gene: HighStump_59 Start: 49150, Stop: 48860, Start Num: 39
Candidate Starts for HighStump_59:

(Start: 35 @49225 has 53 MA's), (Start: 39 @49150 has 173 MA's), (43, 49111), (46, 49069), (48, 48994), (50, 48988), (56, 48949),

Gene: Highbury_32 Start: 28941, Stop: 29225, Start Num: 40
Candidate Starts for Highbury_32:

(Start: 40 @28941 has 522 MA's), (46, 29025), (47, 29055), (55, 29142),

Gene: Hlubikazi_26 Start: 25697, Stop: 25981, Start Num: 40
Candidate Starts for Hlubikazi_26:

(Start: 40 @25697 has 522 MA's), (55, 25898), (61, 25928),

Gene: Hocus_57 Start: 48633, Stop: 48343, Start Num: 39
Candidate Starts for Hocus_57:

(37, 48693), (Start: 39 @48633 has 173 MA's), (43, 48594), (46, 48552), (48, 48477), (50, 48471), (56, 48432),

Gene: Holt_32 Start: 28560, Stop: 28844, Start Num: 40
Candidate Starts for Holt_32:

(Start: 40 @28560 has 522 MA's), (46, 28644), (47, 28674), (55, 28761),

Gene: Hoonter_33 Start: 29273, Stop: 29557, Start Num: 40
Candidate Starts for Hoonter_33:

(Start: 40 @29273 has 522 MA's), (46, 29357), (47, 29387), (55, 29474),

Gene: Hope4ever_36 Start: 29350, Stop: 29634, Start Num: 40
Candidate Starts for Hope4ever_36:

(Start: 40 @29350 has 522 MA's), (55, 29551),

Gene: Hohey_33 Start: 29560, Stop: 29844, Start Num: 40
Candidate Starts for Hohey_33:

(Start: 40 @29560 has 522 MA's), (46, 29644), (47, 29674), (55, 29761),

Gene: Horchata_56 Start: 48627, Stop: 48337, Start Num: 39
Candidate Starts for Horchata_56:

(Start: 35 @48702 has 53 MA's), (Start: 39 @48627 has 173 MA's), (43, 48588), (46, 48546), (48, 48471), (50, 48465), (56, 48426),

Gene: HufflePuff_30 Start: 29267, Stop: 29551, Start Num: 40

Candidate Starts for HufflyPuff_30:

(Start: 40 @29267 has 522 MA's), (46, 29351), (47, 29381), (55, 29468),

Gene: IHOP_31 Start: 29459, Stop: 29743, Start Num: 40

Candidate Starts for IHOP_31:

(Start: 40 @29459 has 522 MA's), (46, 29543), (47, 29573), (55, 29660),

Gene: ILeeKay_38 Start: 29114, Stop: 29410, Start Num: 40

Candidate Starts for ILeeKay_38:

(Start: 40 @29114 has 522 MA's), (52, 29288), (58, 29345),

Gene: IbOuu_28 Start: 25441, Stop: 25737, Start Num: 40

Candidate Starts for IbOuu_28:

(Start: 40 @25441 has 522 MA's), (52, 25615), (58, 25672),

Gene: Ibhubesi_26 Start: 25389, Stop: 25685, Start Num: 40

Candidate Starts for Ibhubesi_26:

(Start: 22 @25269 has 1 MA's), (32, 25296), (Start: 40 @25389 has 522 MA's), (53, 25566), (58, 25620),

Gene: Icee_30 Start: 28941, Stop: 29225, Start Num: 40

Candidate Starts for Icee_30:

(Start: 40 @28941 has 522 MA's), (46, 29025), (47, 29055), (55, 29142),

Gene: Ichabod_37 Start: 29148, Stop: 29444, Start Num: 40

Candidate Starts for Ichabod_37:

(Start: 40 @29148 has 522 MA's), (52, 29322), (58, 29379),

Gene: ImtiyazSitla_58 Start: 48622, Stop: 48332, Start Num: 39

Candidate Starts for ImtiyazSitla_58:

(37, 48682), (Start: 39 @48622 has 173 MA's), (43, 48583), (46, 48541), (48, 48466), (50, 48460), (56, 48421),

Gene: Inca_30 Start: 27962, Stop: 28246, Start Num: 40

Candidate Starts for Inca_30:

(Start: 40 @27962 has 522 MA's), (46, 28046), (47, 28076), (55, 28163),

Gene: Inchworm_59 Start: 49021, Stop: 48731, Start Num: 39

Candidate Starts for Inchworm_59:

(Start: 35 @49096 has 53 MA's), (Start: 39 @49021 has 173 MA's), (43, 48982), (46, 48940), (48, 48865), (50, 48859), (56, 48820),

Gene: Inventum_26 Start: 25564, Stop: 25860, Start Num: 40

Candidate Starts for Inventum_26:

(Start: 40 @25564 has 522 MA's), (47, 25678), (51, 25735), (52, 25738), (56, 25771),

Gene: Inverness_56 Start: 48711, Stop: 48346, Start Num: 35

Candidate Starts for Inverness_56:

(Start: 35 @48711 has 53 MA's), (Start: 39 @48636 has 173 MA's), (43, 48597), (46, 48555), (48, 48480), (50, 48474), (56, 48435),

Gene: Iridoclysis_58 Start: 48919, Stop: 48629, Start Num: 39

Candidate Starts for Iridoclysis_58:

(Start: 35 @48994 has 53 MA's), (Start: 39 @48919 has 173 MA's), (43, 48880), (46, 48838), (48, 48763), (50, 48757), (56, 48718),

Gene: IrishSherpFalk_27 Start: 26774, Stop: 27058, Start Num: 40

Candidate Starts for IrishSherpFalk_27:

(27, 26666), (Start: 40 @26774 has 522 MA's), (47, 26888), (55, 26975), (61, 27005),

Gene: IsaacEli_58 Start: 49160, Stop: 48870, Start Num: 39

Candidate Starts for IsaacEli_58:

(Start: 35 @49235 has 53 MA's), (Start: 39 @49160 has 173 MA's), (43, 49121), (46, 49079), (48, 49004), (50, 48998), (56, 48959),

Gene: JDog_57 Start: 49176, Stop: 48886, Start Num: 39

Candidate Starts for JDog_57:

(Start: 35 @49251 has 53 MA's), (Start: 39 @49176 has 173 MA's), (43, 49137), (46, 49095), (48, 49020), (50, 49014), (56, 48975),

Gene: Jabbawokkie_32 Start: 25659, Stop: 25955, Start Num: 40

Candidate Starts for Jabbawokkie_32:

(23, 25539), (31, 25557), (Start: 40 @25659 has 522 MA's), (46, 25743), (47, 25773), (48, 25821), (53, 25836), (56, 25866), (57, 25881), (58, 25890), (61, 25902),

Gene: JacAttac_58 Start: 48656, Stop: 48291, Start Num: 35

Candidate Starts for JacAttac_58:

(Start: 35 @48656 has 53 MA's), (Start: 39 @48581 has 173 MA's), (43, 48542), (46, 48500), (48, 48425), (50, 48419), (56, 48380),

Gene: JackSparrow_37 Start: 29478, Stop: 29762, Start Num: 40

Candidate Starts for JackSparrow_37:

(Start: 40 @29478 has 522 MA's), (55, 29679),

Gene: JakeO_57 Start: 48652, Stop: 48362, Start Num: 39

Candidate Starts for JakeO_57:

(Start: 35 @48727 has 53 MA's), (Start: 39 @48652 has 173 MA's), (43, 48613), (46, 48571), (48, 48496), (50, 48490), (56, 48451),

Gene: JalFarm20_28 Start: 25961, Stop: 26245, Start Num: 40

Candidate Starts for JalFarm20_28:

(25, 25850), (Start: 33 @25883 has 1 MA's), (Start: 40 @25961 has 522 MA's), (55, 26162), (61, 26192),

Gene: James_26 Start: 25596, Stop: 25892, Start Num: 40

Candidate Starts for James_26:

(Start: 40 @25596 has 522 MA's), (47, 25710), (51, 25767), (52, 25770), (56, 25803),

Gene: JangoPhett_57 Start: 48921, Stop: 48631, Start Num: 39

Candidate Starts for JangoPhett_57:

(37, 48981), (Start: 39 @48921 has 173 MA's), (43, 48882), (46, 48840), (48, 48765), (50, 48759), (56, 48720),

Gene: Jacob_26 Start: 25631, Stop: 25927, Start Num: 40

Candidate Starts for Jacob_26:

(Start: 40 @25631 has 522 MA's), (47, 25745), (51, 25802), (52, 25805), (56, 25838),

Gene: Jasper_37 Start: 28791, Stop: 29087, Start Num: 40

Candidate Starts for Jasper_37:

(Start: 40 @28791 has 522 MA's), (52, 28965), (58, 29022),

Gene: JeTaime_33 Start: 30084, Stop: 30368, Start Num: 40

Candidate Starts for JeTaime_33:

(Start: 40 @30084 has 522 MA's), (46, 30168), (47, 30198), (55, 30285),

Gene: Jerm2_37 Start: 29139, Stop: 29423, Start Num: 40

Candidate Starts for Jerm2_37:

(Start: 40 @29139 has 522 MA's), (55, 29340),

Gene: Jillium_57 Start: 49168, Stop: 48878, Start Num: 39

Candidate Starts for Jillium_57:

(Start: 35 @49243 has 53 MA's), (Start: 39 @49168 has 173 MA's), (43, 49129), (46, 49087), (48, 49012), (50, 49006), (56, 48967),

Gene: Jiminy_57 Start: 48487, Stop: 48197, Start Num: 39

Candidate Starts for Jiminy_57:

(37, 48547), (Start: 39 @48487 has 173 MA's), (43, 48448), (46, 48406), (48, 48331), (50, 48325), (56, 48286),

Gene: Jinglebell_26 Start: 25661, Stop: 25945, Start Num: 40

Candidate Starts for Jinglebell_26:

(Start: 40 @25661 has 522 MA's), (55, 25862),

Gene: Jiraiya_60 Start: 48640, Stop: 48350, Start Num: 39

Candidate Starts for Jiraiya_60:

(37, 48700), (Start: 39 @48640 has 173 MA's), (43, 48601), (46, 48559), (48, 48484), (50, 48478), (56, 48439),

Gene: Job42_29 Start: 27153, Stop: 27449, Start Num: 40

Candidate Starts for Job42_29:

(Start: 22 @27033 has 1 MA's), (30, 27051), (34, 27075), (Start: 40 @27153 has 522 MA's), (47, 27267), (51, 27324), (52, 27327), (56, 27360),

Gene: JoeyJr_26 Start: 25608, Stop: 25904, Start Num: 40

Candidate Starts for JoeyJr_26:

(Start: 40 @25608 has 522 MA's), (47, 25722), (48, 25770), (53, 25785), (54, 25803), (56, 25815), (58, 25839), (61, 25851),

Gene: Jorgensen_36 Start: 28843, Stop: 29139, Start Num: 40

Candidate Starts for Jorgensen_36:

(Start: 40 @28843 has 522 MA's), (52, 29017), (58, 29074),

Gene: Juice456_28 Start: 26710, Stop: 26994, Start Num: 40

Candidate Starts for Juice456_28:

(Start: 40 @26710 has 522 MA's), (55, 26911), (61, 26941),

Gene: JuliaChild_38 Start: 29575, Stop: 29871, Start Num: 40

Candidate Starts for JuliaChild_38:

(Start: 40 @29575 has 522 MA's), (52, 29749),

Gene: Juniper1_26 Start: 25423, Stop: 25707, Start Num: 40
Candidate Starts for Juniper1_26:
(21, 25300), (29, 25318), (Start: 33 @25342 has 1 MA's), (Start: 40 @25423 has 522 MA's), (55, 25624),

Gene: KBG_37 Start: 30007, Stop: 30291, Start Num: 40
Candidate Starts for KBG_37:
(Start: 40 @30007 has 522 MA's), (55, 30208),

Gene: KLucky39_55 Start: 48057, Stop: 47692, Start Num: 35
Candidate Starts for KLucky39_55:
(Start: 35 @48057 has 53 MA's), (Start: 39 @47982 has 173 MA's), (43, 47943), (46, 47901), (48, 47826), (50, 47820), (56, 47781),

Gene: KSSJEB_36 Start: 28754, Stop: 29050, Start Num: 40
Candidate Starts for KSSJEB_36:
(Start: 40 @28754 has 522 MA's), (52, 28928),

Gene: Kahve_57 Start: 49244, Stop: 48879, Start Num: 35
Candidate Starts for Kahve_57:
(Start: 35 @49244 has 53 MA's), (Start: 39 @49169 has 173 MA's), (43, 49130), (46, 49088), (48, 49013), (50, 49007), (56, 48968),

Gene: Kailash_57 Start: 49006, Stop: 48716, Start Num: 39
Candidate Starts for Kailash_57:
(37, 49066), (Start: 39 @49006 has 173 MA's), (43, 48967), (46, 48925), (48, 48850), (50, 48844), (56, 48805),

Gene: Kanely_37 Start: 29702, Stop: 29986, Start Num: 40
Candidate Starts for Kanely_37:
(Start: 40 @29702 has 522 MA's), (55, 29903),

Gene: Kanye_33 Start: 30269, Stop: 30553, Start Num: 40
Candidate Starts for Kanye_33:
(Start: 40 @30269 has 522 MA's), (46, 30353), (47, 30383), (55, 30470),

Gene: Karhdo_26 Start: 25571, Stop: 25867, Start Num: 40
Candidate Starts for Karhdo_26:
(Start: 40 @25571 has 522 MA's), (47, 25685), (51, 25742), (52, 25745), (56, 25778),

Gene: KashFlow_35 Start: 33095, Stop: 33391, Start Num: 40
Candidate Starts for KashFlow_35:
(24, 32981), (25, 32984), (34, 33017), (Start: 40 @33095 has 522 MA's), (54, 33290),

Gene: Katniss_58 Start: 48608, Stop: 48318, Start Num: 39
Candidate Starts for Katniss_58:
(Start: 35 @48683 has 53 MA's), (Start: 39 @48608 has 173 MA's), (43, 48569), (46, 48527), (48, 48452), (50, 48446), (56, 48407),

Gene: Keitherie_58 Start: 48987, Stop: 48697, Start Num: 40
Candidate Starts for Keitherie_58:

(37, 49047), (Start: 40 @48987 has 522 MA's), (43, 48948), (46, 48906), (48, 48831), (50, 48825), (56, 48786),

Gene: Kenmech_39 Start: 30255, Stop: 30539, Start Num: 40
Candidate Starts for Kenmech_39:
(Start: 40 @30255 has 522 MA's), (55, 30456),

Gene: Kenuha5_23 Start: 24604, Stop: 24888, Start Num: 40
Candidate Starts for Kenuha5_23:
(Start: 40 @24604 has 522 MA's), (55, 24805), (61, 24835),

Gene: Kersh_24 Start: 24647, Stop: 24943, Start Num: 40
Candidate Starts for Kersh_24:
(Start: 40 @24647 has 522 MA's), (53, 24824), (56, 24854), (58, 24878), (61, 24890),

Gene: Kikipoo_58 Start: 49160, Stop: 48870, Start Num: 39
Candidate Starts for Kikipoo_58:
(Start: 35 @49235 has 53 MA's), (Start: 39 @49160 has 173 MA's), (43, 49121), (46, 49079), (48, 49004), (50, 48998), (56, 48959),

Gene: Killigrew_34 Start: 28475, Stop: 28771, Start Num: 40
Candidate Starts for Killigrew_34:
(Start: 40 @28475 has 522 MA's), (52, 28649), (58, 28706),

Gene: Kimberlium_28 Start: 26564, Stop: 26860, Start Num: 40
Candidate Starts for Kimberlium_28:
(Start: 40 @26564 has 522 MA's), (53, 26741), (56, 26771), (58, 26795), (61, 26807),

Gene: Kimbrough_58 Start: 49169, Stop: 48879, Start Num: 39
Candidate Starts for Kimbrough_58:
(Start: 35 @49244 has 53 MA's), (Start: 39 @49169 has 173 MA's), (43, 49130), (46, 49088), (48, 49013), (50, 49007), (56, 48968),

Gene: Kimchi_33 Start: 29276, Stop: 29560, Start Num: 40
Candidate Starts for Kimchi_33:
(Start: 40 @29276 has 522 MA's), (46, 29360), (47, 29390), (55, 29477),

Gene: KingMidas_27 Start: 26739, Stop: 27035, Start Num: 40
Candidate Starts for KingMidas_27:
(Start: 22 @26619 has 1 MA's), (34, 26661), (Start: 40 @26739 has 522 MA's), (53, 26916), (56, 26946), (58, 26970), (61, 26982),

Gene: KingTut_49 Start: 44833, Stop: 44543, Start Num: 39
Candidate Starts for KingTut_49:
(Start: 35 @44908 has 53 MA's), (Start: 39 @44833 has 173 MA's), (43, 44794), (46, 44752), (48, 44677), (50, 44671), (56, 44632),

Gene: KingVeVeVe_55 Start: 47936, Stop: 47646, Start Num: 39
Candidate Starts for KingVeVeVe_55:
(Start: 35 @48011 has 53 MA's), (Start: 39 @47936 has 173 MA's), (43, 47897), (46, 47855), (48, 47780), (50, 47774), (56, 47735),

Gene: Kingsley_24 Start: 24404, Stop: 24688, Start Num: 40

Candidate Starts for Kingsley_24:
(Start: 40 @24404 has 522 MA's), (55, 24605), (61, 24635),

Gene: KlimbOn_56 Start: 48628, Stop: 48338, Start Num: 39
Candidate Starts for KlimbOn_56:
(Start: 35 @48703 has 53 MA's), (Start: 39 @48628 has 173 MA's), (43, 48589), (46, 48547), (48, 48472), (50, 48466), (56, 48427),

Gene: Kloppinator_57 Start: 48468, Stop: 48178, Start Num: 40
Candidate Starts for Kloppinator_57:
(37, 48528), (Start: 40 @48468 has 522 MA's), (43, 48429), (46, 48387), (48, 48312), (50, 48306), (56, 48267),

Gene: Kostya_32 Start: 29284, Stop: 29568, Start Num: 40
Candidate Starts for Kostya_32:
(Start: 40 @29284 has 522 MA's), (46, 29368), (47, 29398), (55, 29485),

Gene: Krakatau_27 Start: 26112, Stop: 26396, Start Num: 40
Candidate Starts for Krakatau_27:
(28, 26004), (Start: 40 @26112 has 522 MA's), (55, 26313), (61, 26343),

Gene: KristaRAM_27 Start: 26270, Stop: 26554, Start Num: 40
Candidate Starts for KristaRAM_27:
(Start: 40 @26270 has 522 MA's), (55, 26471), (61, 26501),

Gene: Kugel_37 Start: 29284, Stop: 29580, Start Num: 40
Candidate Starts for Kugel_37:
(Start: 40 @29284 has 522 MA's), (52, 29458),

Gene: Kwadwo_56 Start: 48621, Stop: 48331, Start Num: 39
Candidate Starts for Kwadwo_56:
(Start: 35 @48696 has 53 MA's), (Start: 39 @48621 has 173 MA's), (43, 48582), (46, 48540), (48, 48465), (50, 48459), (56, 48420),

Gene: Kwksand96_57 Start: 48502, Stop: 48212, Start Num: 39
Candidate Starts for Kwksand96_57:
(37, 48562), (Start: 39 @48502 has 173 MA's), (43, 48463), (46, 48421), (48, 48346), (50, 48340), (56, 48301),

Gene: KyMonks1A_39 Start: 29454, Stop: 29750, Start Num: 40
Candidate Starts for KyMonks1A_39:
(Start: 40 @29454 has 522 MA's), (52, 29628), (58, 29685),

Gene: Labeouficaum_57 Start: 48496, Stop: 48206, Start Num: 39
Candidate Starts for Labeouficaum_57:
(37, 48556), (Start: 39 @48496 has 173 MA's), (43, 48457), (46, 48415), (48, 48340), (50, 48334), (56, 48295),

Gene: Lamina13_36 Start: 28597, Stop: 28893, Start Num: 40
Candidate Starts for Lamina13_36:
(Start: 40 @28597 has 522 MA's), (52, 28771), (58, 28828),

Gene: LasagnaCat_58 Start: 49033, Stop: 48743, Start Num: 39

Candidate Starts for LasagnaCat_58:

(Start: 35 @49108 has 53 MA's), (Start: 39 @49033 has 173 MA's), (43, 48994), (46, 48952), (48, 48877), (50, 48871), (56, 48832),

Gene: Lasso_57 Start: 48971, Stop: 48606, Start Num: 35

Candidate Starts for Lasso_57:

(Start: 35 @48971 has 53 MA's), (Start: 39 @48896 has 173 MA's), (43, 48857), (46, 48815), (48, 48740), (50, 48734), (56, 48695),

Gene: Latretium_27 Start: 26132, Stop: 26443, Start Num: 40

Candidate Starts for Latretium_27:

(Start: 40 @26132 has 522 MA's), (62, 26381),

Gene: LeeLot_57 Start: 48948, Stop: 48658, Start Num: 39

Candidate Starts for LeeLot_57:

(Start: 35 @49023 has 53 MA's), (Start: 39 @48948 has 173 MA's), (43, 48909), (46, 48867), (48, 48792), (50, 48786), (56, 48747),

Gene: Lego3393_56 Start: 49235, Stop: 48870, Start Num: 35

Candidate Starts for Lego3393_56:

(Start: 35 @49235 has 53 MA's), (Start: 39 @49160 has 173 MA's), (43, 49121), (46, 49079), (48, 49004), (50, 48998), (56, 48959),

Gene: Legolas_59 Start: 49047, Stop: 48757, Start Num: 39

Candidate Starts for Legolas_59:

(Start: 35 @49122 has 53 MA's), (Start: 39 @49047 has 173 MA's), (43, 49008), (46, 48966), (48, 48891), (50, 48885), (56, 48846),

Gene: LeiMonet_59 Start: 48566, Stop: 48276, Start Num: 39

Candidate Starts for LeiMonet_59:

(Start: 35 @48641 has 53 MA's), (Start: 39 @48566 has 173 MA's), (43, 48527), (46, 48485), (48, 48410), (50, 48404), (56, 48365),

Gene: LemonSlice_58 Start: 48638, Stop: 48348, Start Num: 39

Candidate Starts for LemonSlice_58:

(Start: 35 @48713 has 53 MA's), (Start: 39 @48638 has 173 MA's), (43, 48599), (46, 48557), (48, 48482), (50, 48476), (56, 48437),

Gene: Leozinho_27 Start: 25285, Stop: 25581, Start Num: 40

Candidate Starts for Leozinho_27:

(Start: 40 @25285 has 522 MA's), (52, 25459), (58, 25516),

Gene: Leperchaun_26 Start: 25512, Stop: 25796, Start Num: 40

Candidate Starts for Leperchaun_26:

(Start: 40 @25512 has 522 MA's), (55, 25713), (61, 25743),

Gene: Lesedi_35 Start: 28879, Stop: 29163, Start Num: 40

Candidate Starts for Lesedi_35:

(Start: 40 @28879 has 522 MA's), (55, 29080),

Gene: Licorice_38 Start: 29942, Stop: 30238, Start Num: 40

Candidate Starts for Licorice_38:

(Start: 40 @29942 has 522 MA's), (52, 30116), (58, 30173),

Gene: LilMoolah_26 Start: 25730, Stop: 26014, Start Num: 40

Candidate Starts for LilMoolah_26:

(Start: 40 @25730 has 522 MA's), (55, 25931), (61, 25961),

Gene: Lilac_33 Start: 28780, Stop: 29064, Start Num: 40

Candidate Starts for Lilac_33:

(Start: 40 @28780 has 522 MA's), (46, 28864), (47, 28894), (55, 28981),

Gene: Lilizi_33 Start: 28988, Stop: 29272, Start Num: 40

Candidate Starts for Lilizi_33:

(Start: 40 @28988 has 522 MA's), (46, 29072), (47, 29102), (55, 29189),

Gene: Lilpickle_30 Start: 28490, Stop: 28774, Start Num: 40

Candidate Starts for Lilpickle_30:

(Start: 40 @28490 has 522 MA's), (46, 28574), (47, 28604), (55, 28691),

Gene: LittleE_47 Start: 39006, Stop: 39302, Start Num: 40

Candidate Starts for LittleE_47:

(Start: 40 @39006 has 522 MA's), (54, 39201),

Gene: LittleShirley_27 Start: 25378, Stop: 25674, Start Num: 40

Candidate Starts for LittleShirley_27:

(Start: 40 @25378 has 522 MA's), (47, 25492), (51, 25549), (52, 25552), (56, 25585),

Gene: Lizziana_26 Start: 25605, Stop: 25889, Start Num: 40

Candidate Starts for Lizziana_26:

(Start: 40 @25605 has 522 MA's), (55, 25806), (61, 25836),

Gene: Llama_26 Start: 25660, Stop: 25944, Start Num: 40

Candidate Starts for Llama_26:

(Start: 40 @25660 has 522 MA's), (55, 25861),

Gene: Llij_26 Start: 25428, Stop: 25712, Start Num: 40

Candidate Starts for Llij_26:

(Start: 40 @25428 has 522 MA's), (55, 25629), (61, 25659),

Gene: Lockley_37 Start: 28994, Stop: 29278, Start Num: 40

Candidate Starts for Lockley_37:

(Start: 40 @28994 has 522 MA's), (55, 29195),

Gene: Longacauda_58 Start: 49010, Stop: 48720, Start Num: 39

Candidate Starts for Longacauda_58:

(Start: 35 @49085 has 53 MA's), (Start: 39 @49010 has 173 MA's), (43, 48971), (46, 48929), (48, 48854), (50, 48848), (56, 48809),

Gene: Lopsy_54 Start: 47524, Stop: 47234, Start Num: 39

Candidate Starts for Lopsy_54:

(Start: 35 @47599 has 53 MA's), (Start: 39 @47524 has 173 MA's), (43, 47485), (46, 47443), (48, 47368), (50, 47362), (56, 47323),

Gene: Lopton_37 Start: 30374, Stop: 30670, Start Num: 40

Candidate Starts for Lopton_37:

(Start: 40 @30374 has 522 MA's), (52, 30548),

Gene: Lorde_27 Start: 25264, Stop: 25548, Start Num: 40

Candidate Starts for Lorde_27:

(Start: 40 @25264 has 522 MA's), (55, 25465), (61, 25495),

Gene: LostAndPhound_57 Start: 48653, Stop: 48363, Start Num: 39

Candidate Starts for LostAndPhound_57:

(Start: 35 @48728 has 53 MA's), (Start: 39 @48653 has 173 MA's), (43, 48614), (46, 48572), (48, 48497), (50, 48491), (56, 48452),

Gene: Lucky2013_41 Start: 35020, Stop: 35316, Start Num: 40

Candidate Starts for Lucky2013_41:

(Start: 22 @34900 has 1 MA's), (30, 34918), (34, 34942), (Start: 40 @35020 has 522 MA's), (54, 35215),

Gene: LuckyMarjie_55 Start: 48329, Stop: 48039, Start Num: 39

Candidate Starts for LuckyMarjie_55:

(Start: 35 @48404 has 53 MA's), (Start: 39 @48329 has 173 MA's), (43, 48290), (46, 48248), (48, 48173), (50, 48167), (56, 48128),

Gene: Lulumae_55 Start: 48389, Stop: 48024, Start Num: 35

Candidate Starts for Lulumae_55:

(Start: 35 @48389 has 53 MA's), (Start: 39 @48314 has 173 MA's), (43, 48275), (46, 48233), (48, 48158), (50, 48152), (56, 48113),

Gene: Lulwa_55 Start: 47953, Stop: 47663, Start Num: 39

Candidate Starts for Lulwa_55:

(Start: 35 @48028 has 53 MA's), (Start: 39 @47953 has 173 MA's), (43, 47914), (46, 47872), (48, 47797), (50, 47791), (56, 47752),

Gene: Lumine_58 Start: 48873, Stop: 48508, Start Num: 35

Candidate Starts for Lumine_58:

(Start: 35 @48873 has 53 MA's), (Start: 39 @48798 has 173 MA's), (43, 48759), (46, 48717), (48, 48642), (50, 48636), (56, 48597),

Gene: LunaBlu_27 Start: 25663, Stop: 25947, Start Num: 40

Candidate Starts for LunaBlu_27:

(21, 25543), (29, 25561), (Start: 33 @25585 has 1 MA's), (Start: 40 @25663 has 522 MA's), (55, 25864),

Gene: LunaStella_25 Start: 25629, Stop: 25925, Start Num: 40

Candidate Starts for LunaStella_25:

(Start: 40 @25629 has 522 MA's), (46, 25713), (48, 25791), (53, 25806), (54, 25824), (56, 25836), (58, 25860), (61, 25872),

Gene: MISSy_30 Start: 28795, Stop: 29079, Start Num: 40

Candidate Starts for MISSy_30:

(Start: 40 @28795 has 522 MA's), (46, 28879), (47, 28909), (55, 28996),

Gene: MPhalcon_30 Start: 28789, Stop: 29073, Start Num: 40

Candidate Starts for MPhalcon_30:

(Start: 40 @28789 has 522 MA's), (46, 28873), (47, 28903), (55, 28990),

Gene: MPlant7149_36 Start: 28652, Stop: 28948, Start Num: 40

Candidate Starts for MPlant7149_36:

(Start: 40 @28652 has 522 MA's), (52, 28826),

Gene: MRabcd_56 Start: 48711, Stop: 48421, Start Num: 39

Candidate Starts for MRabcd_56:

(Start: 35 @48786 has 53 MA's), (Start: 39 @48711 has 173 MA's), (43, 48672), (46, 48630), (48, 48555), (50, 48549), (56, 48510),

Gene: MadMen_23 Start: 24701, Stop: 24997, Start Num: 40

Candidate Starts for MadMen_23:

(Start: 40 @24701 has 522 MA's), (48, 24863), (53, 24878), (56, 24908), (58, 24932), (61, 24944),

Gene: MadamMonkfish_31 Start: 28701, Stop: 28985, Start Num: 40

Candidate Starts for MadamMonkfish_31:

(Start: 40 @28701 has 522 MA's), (46, 28785), (47, 28815), (55, 28902),

Gene: Madiba_24 Start: 24351, Stop: 24647, Start Num: 40

Candidate Starts for Madiba_24:

(Start: 40 @24351 has 522 MA's), (47, 24465), (51, 24522), (52, 24525), (56, 24558),

Gene: Mag7_57 Start: 48556, Stop: 48266, Start Num: 39

Candidate Starts for Mag7_57:

(37, 48616), (Start: 39 @48556 has 173 MA's), (43, 48517), (46, 48475), (48, 48400), (50, 48394), (56, 48355),

Gene: Magic8_58 Start: 49027, Stop: 48662, Start Num: 35

Candidate Starts for Magic8_58:

(Start: 35 @49027 has 53 MA's), (Start: 39 @48952 has 173 MA's), (43, 48913), (46, 48871), (48, 48796), (50, 48790), (56, 48751),

Gene: Magnar_36 Start: 28851, Stop: 29135, Start Num: 40

Candidate Starts for Magnar_36:

(Start: 40 @28851 has 522 MA's), (55, 29052),

Gene: Magnito_35 Start: 28604, Stop: 28888, Start Num: 40

Candidate Starts for Magnito_35:

(Start: 40 @28604 has 522 MA's), (55, 28805),

Gene: Mahavrat_26 Start: 25415, Stop: 25699, Start Num: 40

Candidate Starts for Mahavrat_26:

(21, 25295), (29, 25313), (Start: 33 @25337 has 1 MA's), (Start: 40 @25415 has 522 MA's), (46, 25499), (55, 25616),

Gene: Makemake_37 Start: 30306, Stop: 30590, Start Num: 40

Candidate Starts for Makemake_37:

(Start: 40 @30306 has 522 MA's), (55, 30507),

Gene: Mana_56 Start: 48711, Stop: 48346, Start Num: 35

Candidate Starts for Mana_56:

(Start: 35 @48711 has 53 MA's), (Start: 39 @48636 has 173 MA's), (43, 48597), (46, 48555), (48, 48480), (50, 48474), (56, 48435),

Gene: Manad_56 Start: 48686, Stop: 48321, Start Num: 35
Candidate Starts for Manad_56:
(Start: 35 @48686 has 53 MA's), (Start: 39 @48611 has 173 MA's), (43, 48572), (46, 48530), (48, 48455), (50, 48449), (56, 48410),

Gene: Manatee_37 Start: 28693, Stop: 28977, Start Num: 40
Candidate Starts for Manatee_37:
(Start: 40 @28693 has 522 MA's), (55, 28894),

Gene: Manda_32 Start: 29768, Stop: 30052, Start Num: 40
Candidate Starts for Manda_32:
(Start: 40 @29768 has 522 MA's), (46, 29852), (47, 29882), (55, 29969),

Gene: Mandlovu_26 Start: 25639, Stop: 25923, Start Num: 40
Candidate Starts for Mandlovu_26:
(Start: 40 @25639 has 522 MA's), (55, 25840), (61, 25870),

Gene: Mantra_26 Start: 25538, Stop: 25834, Start Num: 40
Candidate Starts for Mantra_26:
(Start: 40 @25538 has 522 MA's), (47, 25652), (51, 25709), (52, 25712), (56, 25745),

Gene: Maravista_26 Start: 25387, Stop: 25671, Start Num: 40
Candidate Starts for Maravista_26:
(Start: 40 @25387 has 522 MA's), (55, 25588), (61, 25618),

Gene: Marcell_36 Start: 29341, Stop: 29637, Start Num: 40
Candidate Starts for Marcell_36:
(Start: 40 @29341 has 522 MA's), (52, 29515),

Gene: Marchy_30 Start: 25929, Stop: 26225, Start Num: 40
Candidate Starts for Marchy_30:
(Start: 40 @25929 has 522 MA's), (52, 26103),

Gene: Marge_37 Start: 29739, Stop: 30023, Start Num: 40
Candidate Starts for Marge_37:
(Start: 40 @29739 has 522 MA's), (55, 29940),

Gene: Marker_28 Start: 25291, Stop: 25587, Start Num: 40
Candidate Starts for Marker_28:
(Start: 40 @25291 has 522 MA's), (52, 25465), (58, 25522),

Gene: Maroc7_36 Start: 28826, Stop: 29122, Start Num: 40
Candidate Starts for Maroc7_36:
(Start: 40 @28826 has 522 MA's), (52, 29000),

Gene: Marsha_36 Start: 29899, Stop: 30183, Start Num: 40
Candidate Starts for Marsha_36:
(Start: 40 @29899 has 522 MA's), (55, 30100),

Gene: Marshmallow_31 Start: 29281, Stop: 29565, Start Num: 40
Candidate Starts for Marshmallow_31:
(Start: 40 @29281 has 522 MA's), (46, 29365), (47, 29395), (55, 29482),

Gene: Martik_26 Start: 25632, Stop: 25916, Start Num: 40
Candidate Starts for Martik_26:
(Start: 40 @25632 has 522 MA's), (55, 25833), (61, 25863),

Gene: Maru_57 Start: 49075, Stop: 48785, Start Num: 39
Candidate Starts for Maru_57:
(Start: 35 @49150 has 53 MA's), (Start: 39 @49075 has 173 MA's), (43, 49036), (46, 48994), (48, 48919), (50, 48913), (56, 48874),

Gene: MaryBeth_36 Start: 29105, Stop: 29389, Start Num: 40
Candidate Starts for MaryBeth_36:
(Start: 40 @29105 has 522 MA's), (55, 29306),

Gene: Maskar_58 Start: 48622, Stop: 48332, Start Num: 39
Candidate Starts for Maskar_58:
(37, 48682), (Start: 39 @48622 has 173 MA's), (43, 48583), (46, 48541), (48, 48466), (50, 48460), (56, 48421),

Gene: Matalotodo_56 Start: 48646, Stop: 48356, Start Num: 39
Candidate Starts for Matalotodo_56:
(Start: 35 @48721 has 53 MA's), (Start: 39 @48646 has 173 MA's), (43, 48607), (46, 48565), (48, 48490), (50, 48484), (56, 48445),

Gene: Mattes_26 Start: 25596, Stop: 25892, Start Num: 40
Candidate Starts for Mattes_26:
(Start: 40 @25596 has 522 MA's), (47, 25710), (51, 25767), (52, 25770), (56, 25803),

Gene: Maxxinista_32 Start: 28750, Stop: 29034, Start Num: 40
Candidate Starts for Maxxinista_32:
(Start: 40 @28750 has 522 MA's), (46, 28834), (47, 28864), (55, 28951),

Gene: McGuire_37 Start: 28985, Stop: 29269, Start Num: 40
Candidate Starts for McGuire_37:
(Start: 40 @28985 has 522 MA's), (55, 29186),

Gene: Mcshane_56 Start: 48709, Stop: 48344, Start Num: 35
Candidate Starts for Mcshane_56:
(Start: 35 @48709 has 53 MA's), (Start: 39 @48634 has 173 MA's), (43, 48595), (46, 48553), (48, 48478), (50, 48472), (56, 48433),

Gene: Mecca_57 Start: 49157, Stop: 48867, Start Num: 39
Candidate Starts for Mecca_57:
(Start: 35 @49232 has 53 MA's), (Start: 39 @49157 has 173 MA's), (43, 49118), (46, 49076), (48, 49001), (50, 48995), (56, 48956),

Gene: Megamind20_58 Start: 48622, Stop: 48332, Start Num: 39
Candidate Starts for Megamind20_58:
(Start: 35 @48697 has 53 MA's), (Start: 39 @48622 has 173 MA's), (43, 48583), (46, 48541), (48, 48466), (50, 48460), (56, 48421),

Gene: Megatron_58 Start: 49223, Stop: 48858, Start Num: 35
Candidate Starts for Megatron_58:

(Start: 35 @49223 has 53 MA's), (Start: 39 @49148 has 173 MA's), (43, 49109), (46, 49067), (48, 48992), (50, 48986), (56, 48947),

Gene: Melc17_57 Start: 49466, Stop: 49176, Start Num: 39

Candidate Starts for Melc17_57:

(Start: 35 @49541 has 53 MA's), (Start: 39 @49466 has 173 MA's), (43, 49427), (46, 49385), (48, 49310), (50, 49304), (56, 49265),

Gene: Melissauren88_26 Start: 25624, Stop: 25908, Start Num: 40

Candidate Starts for Melissauren88_26:

(Start: 40 @25624 has 522 MA's), (55, 25825), (61, 25855),

Gene: MelsMeow_57 Start: 48675, Stop: 48385, Start Num: 39

Candidate Starts for MelsMeow_57:

(37, 48735), (Start: 39 @48675 has 173 MA's), (43, 48636), (46, 48594), (48, 48519), (50, 48513), (56, 48474),

Gene: Mesh1_58 Start: 49168, Stop: 48878, Start Num: 39

Candidate Starts for Mesh1_58:

(Start: 35 @49243 has 53 MA's), (Start: 39 @49168 has 173 MA's), (43, 49129), (46, 49087), (48, 49012), (50, 49006), (56, 48967),

Gene: MetalQZJ_36 Start: 29105, Stop: 29389, Start Num: 40

Candidate Starts for MetalQZJ_36:

(Start: 40 @29105 has 522 MA's), (55, 29306),

Gene: MiaZeal_41 Start: 34704, Stop: 35000, Start Num: 40

Candidate Starts for MiaZeal_41:

(Start: 22 @34584 has 1 MA's), (30, 34602), (34, 34626), (Start: 40 @34704 has 522 MA's), (54, 34899),

Gene: MichaelPhcott_57 Start: 48553, Stop: 48263, Start Num: 39

Candidate Starts for MichaelPhcott_57:

(37, 48613), (Start: 39 @48553 has 173 MA's), (43, 48514), (46, 48472), (48, 48397), (50, 48391), (56, 48352),

Gene: Michley_36 Start: 28824, Stop: 29120, Start Num: 40

Candidate Starts for Michley_36:

(Start: 40 @28824 has 522 MA's), (52, 28998), (58, 29055),

Gene: Mikota_55 Start: 47933, Stop: 47643, Start Num: 39

Candidate Starts for Mikota_55:

(Start: 35 @48008 has 53 MA's), (Start: 39 @47933 has 173 MA's), (43, 47894), (46, 47852), (48, 47777), (50, 47771), (56, 47732),

Gene: MilleniumForce_27 Start: 26401, Stop: 26685, Start Num: 40

Candidate Starts for MilleniumForce_27:

(Start: 40 @26401 has 522 MA's), (55, 26602), (61, 26632),

Gene: Mindy_31 Start: 29061, Stop: 29345, Start Num: 40

Candidate Starts for Mindy_31:

(Start: 40 @29061 has 522 MA's), (46, 29145), (47, 29175), (55, 29262),

Gene: Minerva_47 Start: 39366, Stop: 39662, Start Num: 40

Candidate Starts for Minerva_47:

(Start: 40 @39366 has 522 MA's), (53, 39543), (58, 39597),

Gene: MiniBoss_55 Start: 47939, Stop: 47649, Start Num: 39

Candidate Starts for MiniBoss_55:

(Start: 35 @48014 has 53 MA's), (Start: 39 @47939 has 173 MA's), (43, 47900), (46, 47858), (48, 47783), (50, 47777), (56, 47738),

Gene: MinionDave_27 Start: 25824, Stop: 26108, Start Num: 40

Candidate Starts for MinionDave_27:

(Start: 40 @25824 has 522 MA's), (55, 26025), (61, 26055),

Gene: Miniwave_31 Start: 29480, Stop: 29764, Start Num: 40

Candidate Starts for Miniwave_31:

(Start: 40 @29480 has 522 MA's), (46, 29564), (47, 29594), (55, 29681),

Gene: Minnie_27 Start: 26139, Stop: 26423, Start Num: 40

Candidate Starts for Minnie_27:

(Start: 40 @26139 has 522 MA's), (55, 26340), (61, 26370),

Gene: Misfit_31 Start: 29370, Stop: 29654, Start Num: 40

Candidate Starts for Misfit_31:

(Start: 40 @29370 has 522 MA's), (46, 29454), (47, 29484), (55, 29571),

Gene: Misha28_27 Start: 25312, Stop: 25596, Start Num: 40

Candidate Starts for Misha28_27:

(Start: 40 @25312 has 522 MA's), (55, 25513), (61, 25543),

Gene: MisterCuddles_26 Start: 25408, Stop: 25704, Start Num: 40

Candidate Starts for MisterCuddles_26:

(Start: 40 @25408 has 522 MA's), (47, 25522), (51, 25579), (52, 25582), (56, 25615),

Gene: MitKao_57 Start: 48721, Stop: 48356, Start Num: 35

Candidate Starts for MitKao_57:

(Start: 35 @48721 has 53 MA's), (Start: 39 @48646 has 173 MA's), (43, 48607), (46, 48565), (48, 48490), (50, 48484), (56, 48445),

Gene: Modragons_26 Start: 25505, Stop: 25789, Start Num: 40

Candidate Starts for Modragons_26:

(Start: 40 @25505 has 522 MA's), (55, 25706),

Gene: Moldemort_32 Start: 29025, Stop: 29309, Start Num: 40

Candidate Starts for Moldemort_32:

(Start: 40 @29025 has 522 MA's), (46, 29109), (47, 29139), (55, 29226),

Gene: Molly_38 Start: 28928, Stop: 29224, Start Num: 40

Candidate Starts for Molly_38:

(Start: 40 @28928 has 522 MA's), (52, 29102),

Gene: Monet_38 Start: 30367, Stop: 30651, Start Num: 40

Candidate Starts for Monet_38:

(Start: 40 @30367 has 522 MA's), (55, 30568),

Gene: MooMoo_23 Start: 24192, Stop: 24512, Start Num: 40

Candidate Starts for MooMoo_23:

(Start: 40 @24192 has 522 MA's), (62, 24441), (63, 24465),

Gene: Moonbeam_27 Start: 26094, Stop: 26378, Start Num: 40

Candidate Starts for Moonbeam_27:

(Start: 40 @26094 has 522 MA's), (55, 26295), (61, 26325),

Gene: Moose_36 Start: 29177, Stop: 29473, Start Num: 40

Candidate Starts for Moose_36:

(Start: 40 @29177 has 522 MA's), (53, 29354),

Gene: Morgushi_57 Start: 48635, Stop: 48345, Start Num: 39

Candidate Starts for Morgushi_57:

(Start: 35 @48710 has 53 MA's), (Start: 39 @48635 has 173 MA's), (43, 48596), (46, 48554), (48, 48479), (50, 48473), (56, 48434),

Gene: Morty_58 Start: 49157, Stop: 48867, Start Num: 39

Candidate Starts for Morty_58:

(Start: 35 @49232 has 53 MA's), (Start: 39 @49157 has 173 MA's), (43, 49118), (46, 49076), (48, 49001), (50, 48995), (56, 48956),

Gene: Mosaic_56 Start: 48640, Stop: 48350, Start Num: 39

Candidate Starts for Mosaic_56:

(Start: 35 @48715 has 53 MA's), (Start: 39 @48640 has 173 MA's), (43, 48601), (46, 48559), (48, 48484), (50, 48478), (56, 48439),

Gene: Mosby_30 Start: 28787, Stop: 29071, Start Num: 40

Candidate Starts for Mosby_30:

(Start: 40 @28787 has 522 MA's), (46, 28871), (47, 28901), (55, 28988),

Gene: Mova_27 Start: 25291, Stop: 25575, Start Num: 40

Candidate Starts for Mova_27:

(34, 25213), (Start: 40 @25291 has 522 MA's), (55, 25492), (61, 25522),

Gene: Mozy_27 Start: 25501, Stop: 25785, Start Num: 40

Candidate Starts for Mozy_27:

(Start: 40 @25501 has 522 MA's), (55, 25702), (61, 25732),

Gene: MrGordo_36 Start: 28687, Stop: 28983, Start Num: 40

Candidate Starts for MrGordo_36:

(Start: 40 @28687 has 522 MA's), (52, 28861), (58, 28918),

Gene: MrPhizzler_58 Start: 49102, Stop: 48812, Start Num: 39

Candidate Starts for MrPhizzler_58:

(37, 49162), (Start: 39 @49102 has 173 MA's), (43, 49063), (46, 49021), (48, 48946), (50, 48940), (56, 48901),

Gene: Mryolo_34 Start: 28703, Stop: 28987, Start Num: 40

Candidate Starts for Mryolo_34:

(Start: 40 @28703 has 522 MA's), (55, 28904),

Gene: Mulan_57 Start: 48949, Stop: 48584, Start Num: 35
Candidate Starts for Mulan_57:
(Start: 35 @48949 has 53 MA's), (Start: 39 @48874 has 173 MA's), (43, 48835), (46, 48793), (48, 48718), (50, 48712), (56, 48673),

Gene: Murdoc_56 Start: 48636, Stop: 48346, Start Num: 39
Candidate Starts for Murdoc_56:
(Start: 35 @48711 has 53 MA's), (Start: 39 @48636 has 173 MA's), (43, 48597), (46, 48555), (48, 48480), (50, 48474), (56, 48435),

Gene: Murica_30 Start: 29267, Stop: 29551, Start Num: 40
Candidate Starts for Murica_30:
(Start: 40 @29267 has 522 MA's), (46, 29351), (47, 29381), (55, 29468),

Gene: Murphy_32 Start: 29262, Stop: 29546, Start Num: 40
Candidate Starts for Murphy_32:
(Start: 40 @29262 has 522 MA's), (46, 29346), (47, 29376), (55, 29463),

Gene: Museum_38 Start: 29031, Stop: 29327, Start Num: 40
Candidate Starts for Museum_38:
(Start: 40 @29031 has 522 MA's), (52, 29205), (58, 29262),

Gene: Mutaforma13_26 Start: 25639, Stop: 25923, Start Num: 40
Candidate Starts for Mutaforma13_26:
(Start: 40 @25639 has 522 MA's), (55, 25840), (61, 25870),

Gene: Mutante_57 Start: 48646, Stop: 48356, Start Num: 39
Candidate Starts for Mutante_57:
(Start: 35 @48721 has 53 MA's), (Start: 39 @48646 has 173 MA's), (43, 48607), (46, 48565), (48, 48490), (50, 48484), (56, 48445),

Gene: Myrale_31 Start: 29146, Stop: 29430, Start Num: 40
Candidate Starts for Myrale_31:
(Start: 40 @29146 has 522 MA's), (46, 29230), (47, 29260), (55, 29347),

Gene: NEHalo_36 Start: 28925, Stop: 29209, Start Num: 40
Candidate Starts for NEHalo_36:
(Start: 40 @28925 has 522 MA's), (55, 29126),

Gene: Nacho_0058 Start: 49226, Stop: 48861, Start Num: 35
Candidate Starts for Nacho_0058:
(Start: 35 @49226 has 53 MA's), (Start: 39 @49151 has 173 MA's), (43, 49112), (46, 49070), (48, 48995), (50, 48989), (56, 48950),

Gene: Naira_37 Start: 30628, Stop: 30924, Start Num: 40
Candidate Starts for Naira_37:
(Start: 40 @30628 has 522 MA's), (52, 30802),

Gene: Nala_31 Start: 29301, Stop: 29585, Start Num: 40
Candidate Starts for Nala_31:
(Start: 40 @29301 has 522 MA's), (46, 29385), (47, 29415), (55, 29502),

Gene: Nebkiss_31 Start: 27982, Stop: 28281, Start Num: 40

Candidate Starts for Nebkiss_31:
(Start: 40 @27982 has 522 MA's), (50, 28150), (51, 28153), (52, 28156),

Gene: NelitzaMV_31 Start: 29351, Stop: 29635, Start Num: 40
Candidate Starts for NelitzaMV_31:
(Start: 40 @29351 has 522 MA's), (46, 29435), (47, 29465), (55, 29552),

Gene: Nerujay_37 Start: 29593, Stop: 29877, Start Num: 40
Candidate Starts for Nerujay_37:
(Start: 40 @29593 has 522 MA's), (55, 29794),

Gene: Newman_56 Start: 48706, Stop: 48341, Start Num: 35
Candidate Starts for Newman_56:
(Start: 35 @48706 has 53 MA's), (Start: 39 @48631 has 173 MA's), (43, 48592), (46, 48550), (48, 48475), (50, 48469), (56, 48430),

Gene: Nhonho_36 Start: 29331, Stop: 29615, Start Num: 40
Candidate Starts for Nhonho_36:
(Start: 40 @29331 has 522 MA's), (55, 29532),

Gene: Nicole21_58 Start: 48883, Stop: 48593, Start Num: 39
Candidate Starts for Nicole21_58:
(Start: 35 @48958 has 53 MA's), (Start: 39 @48883 has 173 MA's), (43, 48844), (46, 48802), (48, 48727), (50, 48721), (56, 48682),

Gene: Nimbo_26 Start: 25444, Stop: 25740, Start Num: 40
Candidate Starts for Nimbo_26:
(Start: 40 @25444 has 522 MA's), (46, 25528), (47, 25558), (48, 25606), (53, 25621), (54, 25639), (56, 25651), (58, 25675), (61, 25687),

Gene: Nimrod_31 Start: 29525, Stop: 29809, Start Num: 40
Candidate Starts for Nimrod_31:
(Start: 40 @29525 has 522 MA's), (46, 29609), (47, 29639), (55, 29726),

Gene: Nitzel_27 Start: 26173, Stop: 26457, Start Num: 40
Candidate Starts for Nitzel_27:
(Start: 40 @26173 has 522 MA's), (55, 26374), (61, 26404),

Gene: Nivrat_26 Start: 25604, Stop: 25888, Start Num: 40
Candidate Starts for Nivrat_26:
(Start: 40 @25604 has 522 MA's), (55, 25805), (61, 25835),

Gene: Niza_39 Start: 30222, Stop: 30506, Start Num: 40
Candidate Starts for Niza_39:
(Start: 40 @30222 has 522 MA's), (55, 30423),

Gene: NoSleep_32 Start: 29022, Stop: 29306, Start Num: 40
Candidate Starts for NoSleep_32:
(Start: 40 @29022 has 522 MA's), (46, 29106), (47, 29136), (55, 29223),

Gene: NormanBulbieJr_26 Start: 25619, Stop: 25903, Start Num: 40
Candidate Starts for NormanBulbieJr_26:
(Start: 40 @25619 has 522 MA's), (55, 25820), (61, 25850),

Gene: Norz_38 Start: 29867, Stop: 30163, Start Num: 40
Candidate Starts for Norz_38:
(Start: 40 @29867 has 522 MA's), (52, 30041), (58, 30098),

Gene: Numberten_56 Start: 48626, Stop: 48336, Start Num: 40
Candidate Starts for Numberten_56:
(37, 48686), (Start: 40 @48626 has 522 MA's), (43, 48587), (46, 48545), (48, 48470), (50, 48464), (56, 48425),

Gene: Nyala_56 Start: 48677, Stop: 48312, Start Num: 35
Candidate Starts for Nyala_56:
(Start: 35 @48677 has 53 MA's), (Start: 39 @48602 has 173 MA's), (43, 48563), (46, 48521), (48, 48446), (50, 48440), (56, 48401),

Gene: OSmaximus_58 Start: 49190, Stop: 48900, Start Num: 39
Candidate Starts for OSmaximus_58:
(Start: 35 @49265 has 53 MA's), (Start: 39 @49190 has 173 MA's), (43, 49151), (46, 49109), (48, 49034), (50, 49028), (56, 48989),

Gene: OfUltron_26 Start: 25661, Stop: 25945, Start Num: 40
Candidate Starts for OfUltron_26:
(Start: 40 @25661 has 522 MA's), (55, 25862),

Gene: Ogopogo_26 Start: 24811, Stop: 25095, Start Num: 40
Candidate Starts for Ogopogo_26:
(5, 24322), (34, 24733), (Start: 40 @24811 has 522 MA's), (55, 25012),

Gene: Ohno789_36 Start: 28986, Stop: 29270, Start Num: 40
Candidate Starts for Ohno789_36:
(Start: 40 @28986 has 522 MA's), (55, 29187),

Gene: Olak_57 Start: 48605, Stop: 48315, Start Num: 39
Candidate Starts for Olak_57:
(Start: 35 @48680 has 53 MA's), (Start: 39 @48605 has 173 MA's), (43, 48566), (46, 48524), (48, 48449), (50, 48443), (56, 48404),

Gene: OldBen_26 Start: 25403, Stop: 25699, Start Num: 40
Candidate Starts for OldBen_26:
(Start: 40 @25403 has 522 MA's), (47, 25517), (51, 25574), (52, 25577), (56, 25610),

Gene: Oline_57 Start: 48500, Stop: 48210, Start Num: 39
Candidate Starts for Oline_57:
(37, 48560), (Start: 39 @48500 has 173 MA's), (43, 48461), (46, 48419), (48, 48344), (50, 48338), (56, 48299),

Gene: Olive_56 Start: 48616, Stop: 48326, Start Num: 40
Candidate Starts for Olive_56:
(Start: 40 @48616 has 522 MA's), (43, 48577), (46, 48535), (48, 48460), (50, 48454), (56, 48415),

Gene: OliverWalter_56 Start: 48637, Stop: 48347, Start Num: 39
Candidate Starts for OliverWalter_56:

(Start: 35 @48712 has 53 MA's), (Start: 39 @48637 has 173 MA's), (43, 48598), (46, 48556), (48, 48481), (50, 48475), (56, 48436),

Gene: OlympiaSaint_26 Start: 25819, Stop: 26115, Start Num: 40

Candidate Starts for OlympiaSaint_26:

(Start: 40 @25819 has 522 MA's), (47, 25933), (51, 25990), (52, 25993), (56, 26026),

Gene: Omega_46 Start: 39642, Stop: 39938, Start Num: 40

Candidate Starts for Omega_46:

(26, 39531), (34, 39564), (Start: 40 @39642 has 522 MA's), (54, 39837),

Gene: Omniscient_58 Start: 49464, Stop: 49174, Start Num: 40

Candidate Starts for Omniscient_58:

(37, 49524), (Start: 40 @49464 has 522 MA's), (43, 49425), (46, 49383), (48, 49308), (50, 49302), (56, 49263),

Gene: Oogway_35 Start: 28511, Stop: 28807, Start Num: 40

Candidate Starts for Oogway_35:

(Start: 40 @28511 has 522 MA's), (52, 28685),

Gene: Oosterbaan_57 Start: 48926, Stop: 48636, Start Num: 39

Candidate Starts for Oosterbaan_57:

(Start: 35 @49001 has 53 MA's), (Start: 39 @48926 has 173 MA's), (43, 48887), (46, 48845), (48, 48770), (50, 48764), (56, 48725),

Gene: Optimus_45 Start: 38810, Stop: 39106, Start Num: 40

Candidate Starts for Optimus_45:

(25, 38702), (Start: 40 @38810 has 522 MA's), (47, 38924), (54, 39005),

Gene: Orfeu_56 Start: 48599, Stop: 48309, Start Num: 39

Candidate Starts for Orfeu_56:

(Start: 35 @48674 has 53 MA's), (Start: 39 @48599 has 173 MA's), (43, 48560), (46, 48518), (48, 48443), (50, 48437), (56, 48398),

Gene: Orion_58 Start: 48588, Stop: 48298, Start Num: 39

Candidate Starts for Orion_58:

(Start: 35 @48663 has 53 MA's), (Start: 39 @48588 has 173 MA's), (43, 48549), (46, 48507), (48, 48432), (50, 48426), (56, 48387),

Gene: OrionPax_32 Start: 29028, Stop: 29312, Start Num: 40

Candidate Starts for OrionPax_32:

(Start: 40 @29028 has 522 MA's), (46, 29112), (47, 29142), (55, 29229),

Gene: Orwigg_58 Start: 48568, Stop: 48278, Start Num: 39

Candidate Starts for Orwigg_58:

(Start: 35 @48643 has 53 MA's), (Start: 39 @48568 has 173 MA's), (43, 48529), (46, 48487), (48, 48412), (50, 48406), (56, 48367),

Gene: Ovechkin_26 Start: 25596, Stop: 25880, Start Num: 40

Candidate Starts for Ovechkin_26:

(Start: 40 @25596 has 522 MA's), (55, 25797), (61, 25827),

Gene: OwlsT2W_28 Start: 25890, Stop: 26174, Start Num: 40

Candidate Starts for OwlsT2W_28:
(Start: 40 @25890 has 522 MA's), (55, 26091),

Gene: PG1_58 Start: 49159, Stop: 48869, Start Num: 39
Candidate Starts for PG1_58:
(Start: 35 @49234 has 53 MA's), (Start: 39 @49159 has 173 MA's), (43, 49120), (46, 49078), (48, 49003), (50, 48997), (56, 48958),

Gene: PHappiness_26 Start: 25418, Stop: 25714, Start Num: 40
Candidate Starts for PHappiness_26:
(Start: 40 @25418 has 522 MA's), (46, 25502), (47, 25532), (48, 25580), (53, 25595), (54, 25613), (56, 25625), (58, 25649), (61, 25661),

Gene: PMC_26 Start: 25428, Stop: 25712, Start Num: 40
Candidate Starts for PMC_26:
(Start: 40 @25428 has 522 MA's), (55, 25629), (61, 25659),

Gene: PSullivan_35 Start: 28147, Stop: 28443, Start Num: 40
Candidate Starts for PSullivan_35:
(Start: 40 @28147 has 522 MA's), (52, 28321),

Gene: Pacc40_26 Start: 25608, Stop: 25892, Start Num: 40
Candidate Starts for Pacc40_26:
(Start: 40 @25608 has 522 MA's), (55, 25809), (61, 25839),

Gene: PacerPaul_37 Start: 28973, Stop: 29269, Start Num: 40
Candidate Starts for PacerPaul_37:
(Start: 40 @28973 has 522 MA's), (52, 29147),

Gene: Pacifista_59 Start: 48601, Stop: 48311, Start Num: 39
Candidate Starts for Pacifista_59:
(Start: 35 @48676 has 53 MA's), (Start: 39 @48601 has 173 MA's), (43, 48562), (46, 48520), (48, 48445), (50, 48439), (56, 48400),

Gene: Palpatine_31 Start: 29297, Stop: 29581, Start Num: 40
Candidate Starts for Palpatine_31:
(Start: 40 @29297 has 522 MA's), (46, 29381), (47, 29411), (55, 29498),

Gene: Paperbeatsrock_33 Start: 30263, Stop: 30547, Start Num: 40
Candidate Starts for Paperbeatsrock_33:
(Start: 40 @30263 has 522 MA's), (46, 30347), (47, 30377), (55, 30464),

Gene: Papez_38 Start: 30658, Stop: 30954, Start Num: 40
Candidate Starts for Papez_38:
(Start: 40 @30658 has 522 MA's), (52, 30832), (58, 30889),

Gene: Paphu_35 Start: 28853, Stop: 29149, Start Num: 40
Candidate Starts for Paphu_35:
(Start: 40 @28853 has 522 MA's), (52, 29027), (58, 29084),

Gene: Paraselene_35 Start: 29328, Stop: 29612, Start Num: 40
Candidate Starts for Paraselene_35:
(Start: 40 @29328 has 522 MA's), (55, 29529),

Gene: Pari_37 Start: 28704, Stop: 28988, Start Num: 40

Candidate Starts for Pari_37:

(Start: 40 @28704 has 522 MA's), (55, 28905),

Gene: Parliament_35 Start: 29068, Stop: 29364, Start Num: 40

Candidate Starts for Parliament_35:

(Start: 40 @29068 has 522 MA's), (52, 29242), (58, 29299),

Gene: PascalRango_37 Start: 29013, Stop: 29309, Start Num: 40

Candidate Starts for PascalRango_37:

(Start: 40 @29013 has 522 MA's), (52, 29187),

Gene: Pat3_30 Start: 28009, Stop: 28293, Start Num: 40

Candidate Starts for Pat3_30:

(Start: 40 @28009 has 522 MA's), (46, 28093), (47, 28123), (55, 28210),

Gene: PattyP_38 Start: 29240, Stop: 29536, Start Num: 40

Candidate Starts for PattyP_38:

(Start: 40 @29240 has 522 MA's), (52, 29414),

Gene: Payneful_35 Start: 28646, Stop: 28942, Start Num: 40

Candidate Starts for Payneful_35:

(Start: 40 @28646 has 522 MA's), (52, 28820),

Gene: Perseus_38 Start: 30012, Stop: 30296, Start Num: 40

Candidate Starts for Perseus_38:

(Start: 40 @30012 has 522 MA's), (55, 30213),

Gene: Petp2012_38 Start: 29911, Stop: 30207, Start Num: 40

Candidate Starts for Petp2012_38:

(Start: 40 @29911 has 522 MA's), (52, 30085),

Gene: Petra64142_33 Start: 29743, Stop: 30027, Start Num: 40

Candidate Starts for Petra64142_33:

(Start: 40 @29743 has 522 MA's), (46, 29827), (47, 29857), (55, 29944),

Gene: Petruccio_37 Start: 29238, Stop: 29522, Start Num: 40

Candidate Starts for Petruccio_37:

(Start: 40 @29238 has 522 MA's), (55, 29439),

Gene: Phaja_31 Start: 29459, Stop: 29743, Start Num: 40

Candidate Starts for Phaja_31:

(Start: 40 @29459 has 522 MA's), (46, 29543), (47, 29573), (55, 29660),

Gene: Phalconet_26 Start: 25515, Stop: 25811, Start Num: 40

Candidate Starts for Phalconet_26:

(Start: 40 @25515 has 522 MA's), (52, 25689), (58, 25746),

Gene: Phamished_58 Start: 48683, Stop: 48318, Start Num: 35

Candidate Starts for Phamished_58:

(Start: 35 @48683 has 53 MA's), (Start: 39 @48608 has 173 MA's), (43, 48569), (46, 48527), (48, 48452), (50, 48446), (56, 48407),

Gene: Phanphagia_23 Start: 24598, Stop: 24882, Start Num: 40

Candidate Starts for Phanphagia_23:

(Start: 40 @24598 has 522 MA's), (55, 24799), (61, 24829),

Gene: Phareon_56 Start: 48398, Stop: 48033, Start Num: 35

Candidate Starts for Phareon_56:

(Start: 35 @48398 has 53 MA's), (Start: 39 @48323 has 173 MA's), (43, 48284), (46, 48242), (48, 48167), (50, 48161), (56, 48122),

Gene: Pharsalus_32 Start: 30063, Stop: 30347, Start Num: 40

Candidate Starts for Pharsalus_32:

(Start: 40 @30063 has 522 MA's), (46, 30147), (47, 30177), (55, 30264),

Gene: Phasih_27 Start: 25982, Stop: 26278, Start Num: 40

Candidate Starts for Phasih_27:

(Start: 40 @25982 has 522 MA's), (47, 26096), (51, 26153), (52, 26156), (56, 26189),

Gene: PhatBacter_31 Start: 29311, Stop: 29595, Start Num: 40

Candidate Starts for PhatBacter_31:

(Start: 40 @29311 has 522 MA's), (46, 29395), (47, 29425), (55, 29512),

Gene: PhatCats2014_58 Start: 49163, Stop: 48873, Start Num: 39

Candidate Starts for PhatCats2014_58:

(Start: 35 @49238 has 53 MA's), (38, 49220), (Start: 39 @49163 has 173 MA's), (43, 49124), (46, 49082), (48, 49007), (50, 49001), (56, 48962),

Gene: PhatLouie_58 Start: 48939, Stop: 48649, Start Num: 40

Candidate Starts for PhatLouie_58:

(37, 48999), (Start: 40 @48939 has 522 MA's), (43, 48900), (46, 48858), (48, 48783), (50, 48777), (56, 48738),

Gene: Phatniss_27 Start: 25945, Stop: 26229, Start Num: 40

Candidate Starts for Phatniss_27:

(Start: 40 @25945 has 522 MA's), (55, 26146), (61, 26176),

Gene: Phaux_30 Start: 29309, Stop: 29593, Start Num: 40

Candidate Starts for Phaux_30:

(Start: 40 @29309 has 522 MA's), (46, 29393), (47, 29423), (55, 29510),

Gene: PhenghisKhan_57 Start: 48559, Stop: 48269, Start Num: 39

Candidate Starts for PhenghisKhan_57:

(37, 48619), (Start: 39 @48559 has 173 MA's), (43, 48520), (46, 48478), (48, 48403), (50, 48397), (56, 48358),

Gene: Pherdinand_58 Start: 48618, Stop: 48328, Start Num: 39

Candidate Starts for Pherdinand_58:

(Start: 35 @48693 has 53 MA's), (Start: 39 @48618 has 173 MA's), (43, 48579), (46, 48537), (48, 48462), (50, 48456), (56, 48417),

Gene: Phergie_58 Start: 48551, Stop: 48261, Start Num: 39

Candidate Starts for Phergie_58:

(37, 48611), (Start: 39 @48551 has 173 MA's), (43, 48512), (46, 48470), (48, 48395), (50, 48389), (56, 48350),

Gene: PherrisBueller_37 Start: 28814, Stop: 29098, Start Num: 40

Candidate Starts for PherrisBueller_37:

(Start: 40 @28814 has 522 MA's), (55, 29015),

Gene: PhesterPhotato_26 Start: 25435, Stop: 25731, Start Num: 40

Candidate Starts for PhesterPhotato_26:

(28, 25327), (Start: 40 @25435 has 522 MA's), (52, 25609), (58, 25666),

Gene: Philus_26 Start: 25442, Stop: 25738, Start Num: 40

Candidate Starts for Philus_26:

(Start: 40 @25442 has 522 MA's), (47, 25556), (51, 25613), (52, 25616), (56, 25649),

Gene: Phipps_57 Start: 48436, Stop: 48146, Start Num: 39

Candidate Starts for Phipps_57:

(Start: 35 @48511 has 53 MA's), (Start: 39 @48436 has 173 MA's), (43, 48397), (46, 48355), (48, 48280), (50, 48274), (56, 48235),

Gene: Phleuron_57 Start: 48556, Stop: 48266, Start Num: 39

Candidate Starts for Phleuron_57:

(37, 48616), (Start: 39 @48556 has 173 MA's), (43, 48517), (46, 48475), (48, 48400), (50, 48394), (56, 48355),

Gene: PhrankReynolds_56 Start: 48556, Stop: 48266, Start Num: 39

Candidate Starts for PhrankReynolds_56:

(37, 48616), (Start: 39 @48556 has 173 MA's), (43, 48517), (46, 48475), (48, 48400), (50, 48394), (56, 48355),

Gene: PhrodoBaggins_58 Start: 49024, Stop: 48734, Start Num: 39

Candidate Starts for PhrodoBaggins_58:

(Start: 35 @49099 has 53 MA's), (Start: 39 @49024 has 173 MA's), (43, 48985), (46, 48943), (48, 48868), (50, 48862), (56, 48823),

Gene: PhrostyMug_37 Start: 29175, Stop: 29459, Start Num: 40

Candidate Starts for PhrostyMug_37:

(Start: 40 @29175 has 522 MA's), (55, 29376),

Gene: Phrux_31 Start: 29024, Stop: 29308, Start Num: 40

Candidate Starts for Phrux_31:

(Start: 40 @29024 has 522 MA's), (46, 29108), (47, 29138), (55, 29225),

Gene: Phunky_56 Start: 48620, Stop: 48330, Start Num: 39

Candidate Starts for Phunky_56:

(Start: 35 @48695 has 53 MA's), (Start: 39 @48620 has 173 MA's), (43, 48581), (46, 48539), (48, 48464), (50, 48458), (56, 48419),

Gene: Piglet_0057 Start: 49211, Stop: 48846, Start Num: 35

Candidate Starts for Piglet_0057:

(Start: 35 @49211 has 53 MA's), (Start: 39 @49136 has 173 MA's), (43, 49097), (46, 49055), (48, 48980), (50, 48974), (56, 48935),

Gene: PinheadLarry_58 Start: 49161, Stop: 48871, Start Num: 39
Candidate Starts for PinheadLarry_58:
(Start: 35 @49236 has 53 MA's), (Start: 39 @49161 has 173 MA's), (43, 49122), (46, 49080), (48, 49005), (50, 48999), (56, 48960),

Gene: PinkPlastic_35 Start: 28758, Stop: 29054, Start Num: 40
Candidate Starts for PinkPlastic_35:
(Start: 40 @28758 has 522 MA's), (52, 28932), (58, 28989),

Gene: Pinkman_56 Start: 48494, Stop: 48204, Start Num: 39
Candidate Starts for Pinkman_56:
(37, 48554), (Start: 39 @48494 has 173 MA's), (43, 48455), (46, 48413), (48, 48338), (50, 48332), (56, 48293),

Gene: Piper2020_28 Start: 26035, Stop: 26331, Start Num: 40
Candidate Starts for Piper2020_28:
(Start: 22 @25915 has 1 MA's), (30, 25933), (34, 25957), (Start: 40 @26035 has 522 MA's), (47, 26149), (51, 26206), (52, 26209), (56, 26242),

Gene: Pippin_38 Start: 29322, Stop: 29618, Start Num: 40
Candidate Starts for Pippin_38:
(Start: 40 @29322 has 522 MA's), (52, 29496), (58, 29553),

Gene: Pipsqueak_56 Start: 48724, Stop: 48359, Start Num: 35
Candidate Starts for Pipsqueak_56:
(Start: 35 @48724 has 53 MA's), (Start: 39 @48649 has 173 MA's), (43, 48610), (46, 48568), (48, 48493), (50, 48487), (56, 48448),

Gene: Pita2_38 Start: 29644, Stop: 29940, Start Num: 40
Candidate Starts for Pita2_38:
(Start: 40 @29644 has 522 MA's), (52, 29818),

Gene: Placalicious_57 Start: 49151, Stop: 48861, Start Num: 39
Candidate Starts for Placalicious_57:
(Start: 35 @49226 has 53 MA's), (Start: 39 @49151 has 173 MA's), (43, 49112), (46, 49070), (48, 48995), (50, 48989), (56, 48950),

Gene: Plmatters_56 Start: 48623, Stop: 48333, Start Num: 40
Candidate Starts for Plmatters_56:
(37, 48683), (Start: 40 @48623 has 522 MA's), (43, 48584), (46, 48542), (48, 48467), (50, 48461), (56, 48422),

Gene: Plumbus_27 Start: 25271, Stop: 25555, Start Num: 40
Candidate Starts for Plumbus_27:
(Start: 40 @25271 has 522 MA's), (55, 25472), (61, 25502),

Gene: Podrick_55 Start: 48035, Stop: 47670, Start Num: 35
Candidate Starts for Podrick_55:
(Start: 35 @48035 has 53 MA's), (Start: 39 @47960 has 173 MA's), (43, 47921), (46, 47879), (48, 47804), (50, 47798), (56, 47759),

Gene: Poenanya_26 Start: 25549, Stop: 25845, Start Num: 40
Candidate Starts for Poenanya_26:

(Start: 40 @25549 has 522 MA's), (47, 25663), (51, 25720), (52, 25723), (56, 25756),

Gene: Policronamos_32 Start: 29309, Stop: 29593, Start Num: 40

Candidate Starts for Policronamos_32:

(Start: 40 @29309 has 522 MA's), (46, 29393), (47, 29423), (55, 29510),

Gene: Polka14_27 Start: 25979, Stop: 26263, Start Num: 40

Candidate Starts for Polka14_27:

(Start: 40 @25979 has 522 MA's), (55, 26180), (61, 26210),

Gene: Pollywog_26 Start: 25681, Stop: 25977, Start Num: 40

Candidate Starts for Pollywog_26:

(Start: 40 @25681 has 522 MA's), (47, 25795), (48, 25843), (53, 25858), (54, 25876), (56, 25888), (58, 25912), (61, 25924),

Gene: PopTart_26 Start: 25639, Stop: 25923, Start Num: 40

Candidate Starts for PopTart_26:

(Start: 40 @25639 has 522 MA's), (55, 25840), (61, 25870),

Gene: Pops_56 Start: 48608, Stop: 48318, Start Num: 39

Candidate Starts for Pops_56:

(Start: 39 @48608 has 173 MA's), (43, 48569), (46, 48527), (48, 48452), (50, 48446), (56, 48407),

Gene: Porcelain_40 Start: 34704, Stop: 35000, Start Num: 40

Candidate Starts for Porcelain_40:

(Start: 22 @34584 has 1 MA's), (30, 34602), (34, 34626), (Start: 40 @34704 has 522 MA's), (54, 34899),

Gene: Porky_31 Start: 29120, Stop: 29404, Start Num: 40

Candidate Starts for Porky_31:

(Start: 40 @29120 has 522 MA's), (46, 29204), (47, 29234), (55, 29321),

Gene: Potter_56 Start: 48657, Stop: 48367, Start Num: 39

Candidate Starts for Potter_56:

(Start: 35 @48732 has 53 MA's), (Start: 39 @48657 has 173 MA's), (43, 48618), (46, 48576), (48, 48501), (50, 48495), (56, 48456),

Gene: Prickles_58 Start: 48915, Stop: 48625, Start Num: 39

Candidate Starts for Prickles_58:

(Start: 35 @48990 has 53 MA's), (Start: 39 @48915 has 173 MA's), (43, 48876), (46, 48834), (48, 48759), (50, 48753), (56, 48714),

Gene: Priscilla_26 Start: 25633, Stop: 25929, Start Num: 40

Candidate Starts for Priscilla_26:

(Start: 40 @25633 has 522 MA's), (47, 25747), (51, 25804), (52, 25807), (56, 25840),

Gene: ProfessorX_56 Start: 48615, Stop: 48325, Start Num: 39

Candidate Starts for ProfessorX_56:

(Start: 35 @48690 has 53 MA's), (Start: 39 @48615 has 173 MA's), (43, 48576), (46, 48534), (48, 48459), (50, 48453), (56, 48414),

Gene: Puhltonio_57 Start: 48931, Stop: 48641, Start Num: 39

Candidate Starts for Puhltonio_57:

(Start: 35 @49006 has 53 MA's), (Start: 39 @48931 has 173 MA's), (43, 48892), (46, 48850), (48, 48775), (50, 48769), (56, 48730),

Gene: Pumpkin_33 Start: 29360, Stop: 29644, Start Num: 40

Candidate Starts for Pumpkin_33:

(Start: 40 @29360 has 522 MA's), (46, 29444), (47, 29474), (55, 29561),

Gene: QTRlifeCrisis_40 Start: 29734, Stop: 30018, Start Num: 40

Candidate Starts for QTRlifeCrisis_40:

(Start: 40 @29734 has 522 MA's), (55, 29935),

Gene: Quallification_32 Start: 29489, Stop: 29773, Start Num: 40

Candidate Starts for Quallification_32:

(Start: 40 @29489 has 522 MA's), (46, 29573), (47, 29603), (55, 29690),

Gene: QueenBeane_57 Start: 48921, Stop: 48631, Start Num: 39

Candidate Starts for QueenBeane_57:

(Start: 35 @48996 has 53 MA's), (Start: 39 @48921 has 173 MA's), (43, 48882), (46, 48840), (48, 48765), (50, 48759), (56, 48720),

Gene: QuickMath_27 Start: 26788, Stop: 27084, Start Num: 40

Candidate Starts for QuickMath_27:

(Start: 40 @26788 has 522 MA's), (53, 26965), (56, 26995), (58, 27019), (61, 27031),

Gene: Quico_27 Start: 25263, Stop: 25547, Start Num: 40

Candidate Starts for Quico_27:

(Start: 40 @25263 has 522 MA's), (55, 25464), (61, 25494),

Gene: Quisquilliae_58 Start: 48924, Stop: 48634, Start Num: 39

Candidate Starts for Quisquilliae_58:

(Start: 35 @48999 has 53 MA's), (Start: 39 @48924 has 173 MA's), (43, 48885), (46, 48843), (48, 48768), (50, 48762), (56, 48723),

Gene: Radiance_26 Start: 25541, Stop: 25837, Start Num: 40

Candidate Starts for Radiance_26:

(Start: 40 @25541 has 522 MA's), (47, 25655), (51, 25712), (52, 25715), (56, 25748),

Gene: Rajelicia_35 Start: 28855, Stop: 29151, Start Num: 40

Candidate Starts for Rajelicia_35:

(Start: 40 @28855 has 522 MA's), (51, 29026), (56, 29062),

Gene: Rakim_32 Start: 29389, Stop: 29673, Start Num: 40

Candidate Starts for Rakim_32:

(Start: 40 @29389 has 522 MA's), (46, 29473), (47, 29503), (55, 29590),

Gene: Ramsey_27 Start: 25472, Stop: 25756, Start Num: 40

Candidate Starts for Ramsey_27:

(Start: 40 @25472 has 522 MA's), (55, 25673), (61, 25703),

Gene: RedBird_26 Start: 25373, Stop: 25657, Start Num: 40

Candidate Starts for RedBird_26:

(Start: 40 @25373 has 522 MA's), (55, 25574), (61, 25604),

Gene: RedMaple_58 Start: 49157, Stop: 48867, Start Num: 39
Candidate Starts for RedMaple_58:
(Start: 35 @49232 has 53 MA's), (Start: 39 @49157 has 173 MA's), (43, 49118), (46, 49076), (48, 49001), (50, 48995), (56, 48956),

Gene: Renaud18_26 Start: 25637, Stop: 25921, Start Num: 40
Candidate Starts for Renaud18_26:
(Start: 40 @25637 has 522 MA's), (55, 25838),

Gene: Rhynn_36 Start: 29168, Stop: 29452, Start Num: 40
Candidate Starts for Rhynn_36:
(Start: 40 @29168 has 522 MA's), (55, 29369),

Gene: Rialto_28 Start: 26069, Stop: 26365, Start Num: 40
Candidate Starts for Rialto_28:
(Start: 40 @26069 has 522 MA's), (47, 26183), (51, 26240), (52, 26243), (56, 26276),

Gene: Ricotta_57 Start: 48614, Stop: 48324, Start Num: 39
Candidate Starts for Ricotta_57:
(Start: 35 @48689 has 53 MA's), (Start: 39 @48614 has 173 MA's), (43, 48575), (46, 48533), (48, 48458), (50, 48452), (56, 48413),

Gene: RidgeCB_36 Start: 28745, Stop: 29041, Start Num: 40
Candidate Starts for RidgeCB_36:
(Start: 40 @28745 has 522 MA's), (52, 28919),

Gene: Riggan_58 Start: 48914, Stop: 48624, Start Num: 39
Candidate Starts for Riggan_58:
(Start: 35 @48989 has 53 MA's), (Start: 39 @48914 has 173 MA's), (43, 48875), (46, 48833), (48, 48758), (50, 48752), (56, 48713),

Gene: Rimmer_30 Start: 28849, Stop: 29133, Start Num: 40
Candidate Starts for Rimmer_30:
(Start: 40 @28849 has 522 MA's), (46, 28933), (47, 28963), (55, 29050),

Gene: Rimu_60 Start: 49123, Stop: 48833, Start Num: 39
Candidate Starts for Rimu_60:
(37, 49183), (Start: 39 @49123 has 173 MA's), (43, 49084), (46, 49042), (48, 48967), (50, 48961), (56, 48922),

Gene: Ringer_37 Start: 29563, Stop: 29847, Start Num: 40
Candidate Starts for Ringer_37:
(Start: 40 @29563 has 522 MA's), (55, 29764),

Gene: Rita_26 Start: 25439, Stop: 25735, Start Num: 40
Candidate Starts for Rita_26:
(Start: 40 @25439 has 522 MA's), (51, 25610), (52, 25613), (56, 25646),

Gene: RitaG_26 Start: 25663, Stop: 25947, Start Num: 40
Candidate Starts for RitaG_26:
(Start: 40 @25663 has 522 MA's), (55, 25864), (61, 25894),

Gene: RiverMonster_31 Start: 29038, Stop: 29322, Start Num: 40

Candidate Starts for RiverMonster_31:
(Start: 40 @29038 has 522 MA's), (46, 29122), (47, 29152), (55, 29239),

Gene: Robyn_56 Start: 48560, Stop: 48270, Start Num: 39
Candidate Starts for Robyn_56:
(Start: 35 @48635 has 53 MA's), (Start: 39 @48560 has 173 MA's), (43, 48521), (46, 48479), (48, 48404), (50, 48398), (56, 48359),

Gene: Rockne_26 Start: 25428, Stop: 25712, Start Num: 40
Candidate Starts for Rockne_26:
(Start: 40 @25428 has 522 MA's), (55, 25629), (61, 25659),

Gene: RockyHorror_27 Start: 25296, Stop: 25580, Start Num: 40
Candidate Starts for RockyHorror_27:
(21, 25176), (34, 25218), (Start: 40 @25296 has 522 MA's), (55, 25497),

Gene: Rohr_37 Start: 29178, Stop: 29474, Start Num: 40
Candidate Starts for Rohr_37:
(Start: 40 @29178 has 522 MA's), (52, 29352), (58, 29409),

Gene: Roliet_55 Start: 47957, Stop: 47667, Start Num: 39
Candidate Starts for Roliet_55:
(Start: 35 @48032 has 53 MA's), (Start: 39 @47957 has 173 MA's), (43, 47918), (46, 47876), (48, 47801), (50, 47795), (56, 47756),

Gene: Roscoe_57 Start: 48860, Stop: 48570, Start Num: 39
Candidate Starts for Roscoe_57:
(Start: 35 @48935 has 53 MA's), (Start: 39 @48860 has 173 MA's), (43, 48821), (46, 48779), (48, 48704), (50, 48698), (56, 48659),

Gene: Roy17_56 Start: 48389, Stop: 48024, Start Num: 35
Candidate Starts for Roy17_56:
(Start: 35 @48389 has 53 MA's), (Start: 39 @48314 has 173 MA's), (43, 48275), (46, 48233), (48, 48158), (50, 48152), (56, 48113),

Gene: Royals2015_26 Start: 25519, Stop: 25803, Start Num: 40
Candidate Starts for Royals2015_26:
(Start: 40 @25519 has 522 MA's), (55, 25720), (61, 25750),

Gene: Ruby_26 Start: 25408, Stop: 25704, Start Num: 40
Candidate Starts for Ruby_26:
(Start: 40 @25408 has 522 MA's), (47, 25522), (51, 25579), (52, 25582), (56, 25615),

Gene: Rufus_38 Start: 29521, Stop: 29805, Start Num: 40
Candidate Starts for Rufus_38:
(Start: 40 @29521 has 522 MA's), (55, 29722),

Gene: Ruotula_36 Start: 29698, Stop: 29994, Start Num: 40
Candidate Starts for Ruotula_36:
(Start: 40 @29698 has 522 MA's), (52, 29872),

Gene: Rutherferd_38 Start: 29789, Stop: 30073, Start Num: 40
Candidate Starts for Rutherferd_38:

(Start: 40 @29789 has 522 MA's), (55, 29990),

Gene: SDcharge11_56 Start: 47928, Stop: 47638, Start Num: 39

Candidate Starts for SDcharge11_56:

(Start: 35 @48003 has 53 MA's), (Start: 39 @47928 has 173 MA's), (43, 47889), (46, 47847), (48, 47772), (50, 47766), (56, 47727),

Gene: SG4_26 Start: 25747, Stop: 26031, Start Num: 40

Candidate Starts for SG4_26:

(Start: 40 @25747 has 522 MA's), (55, 25948), (61, 25978),

Gene: STLscum_37 Start: 29938, Stop: 30222, Start Num: 40

Candidate Starts for STLscum_37:

(Start: 40 @29938 has 522 MA's), (55, 30139),

Gene: Saal_26 Start: 25420, Stop: 25716, Start Num: 40

Candidate Starts for Saal_26:

(Start: 40 @25420 has 522 MA's), (47, 25534), (51, 25591), (52, 25594), (56, 25627),

Gene: Sabbb_27 Start: 25766, Stop: 26062, Start Num: 40

Candidate Starts for Sabbb_27:

(Start: 40 @25766 has 522 MA's), (47, 25880), (48, 25928), (53, 25943), (54, 25961), (56, 25973), (58, 25997), (61, 26009),

Gene: Sagefire_38 Start: 29961, Stop: 30245, Start Num: 40

Candidate Starts for Sagefire_38:

(Start: 40 @29961 has 522 MA's), (55, 30162),

Gene: Saints25_32 Start: 28941, Stop: 29225, Start Num: 40

Candidate Starts for Saints25_32:

(Start: 40 @28941 has 522 MA's), (46, 29025), (47, 29055), (55, 29142),

Gene: Samaymay_57 Start: 48921, Stop: 48631, Start Num: 39

Candidate Starts for Samaymay_57:

(Start: 35 @48996 has 53 MA's), (Start: 39 @48921 has 173 MA's), (43, 48882), (46, 48840), (48, 48765), (50, 48759), (56, 48720),

Gene: Sandaddy_36 Start: 29050, Stop: 29334, Start Num: 40

Candidate Starts for Sandaddy_36:

(Start: 40 @29050 has 522 MA's), (55, 29251),

Gene: Sandalphon_27 Start: 26151, Stop: 26447, Start Num: 40

Candidate Starts for Sandalphon_27:

(19, 25998), (20, 26013), (Start: 22 @26031 has 1 MA's), (30, 26049), (34, 26073), (Start: 40 @26151 has 522 MA's), (47, 26265), (51, 26322), (52, 26325), (56, 26358),

Gene: SarFire_36 Start: 29220, Stop: 29516, Start Num: 40

Candidate Starts for SarFire_36:

(Start: 40 @29220 has 522 MA's), (52, 29394),

Gene: Sassafras_26 Start: 25564, Stop: 25860, Start Num: 40

Candidate Starts for Sassafras_26:

(Start: 40 @25564 has 522 MA's), (47, 25678), (51, 25735), (52, 25738), (56, 25771),

Gene: Sassay_30 Start: 28787, Stop: 29071, Start Num: 40
Candidate Starts for Sassay_30:
(Start: 40 @28787 has 522 MA's), (46, 28871), (47, 28901), (55, 28988),

Gene: SassyB_26 Start: 25639, Stop: 25923, Start Num: 40
Candidate Starts for SassyB_26:
(Start: 40 @25639 has 522 MA's), (55, 25840), (61, 25870),

Gene: SassyCat97_56 Start: 48648, Stop: 48358, Start Num: 39
Candidate Starts for SassyCat97_56:
(Start: 35 @48723 has 53 MA's), (Start: 39 @48648 has 173 MA's), (43, 48609), (46, 48567), (48, 48492), (50, 48486), (56, 48447),

Gene: Schadenfreude_56 Start: 48407, Stop: 48117, Start Num: 39
Candidate Starts for Schadenfreude_56:
(Start: 35 @48482 has 53 MA's), (Start: 39 @48407 has 173 MA's), (43, 48368), (46, 48326), (48, 48251), (50, 48245), (56, 48206),

Gene: Schueller_58 Start: 48637, Stop: 48347, Start Num: 39
Candidate Starts for Schueller_58:
(37, 48697), (Start: 39 @48637 has 173 MA's), (43, 48598), (46, 48556), (48, 48481), (50, 48475), (56, 48436),

Gene: Scoot17C_58 Start: 48590, Stop: 48300, Start Num: 39
Candidate Starts for Scoot17C_58:
(Start: 35 @48665 has 53 MA's), (Start: 39 @48590 has 173 MA's), (43, 48551), (46, 48509), (48, 48434), (50, 48428), (56, 48389),

Gene: Scottish_27 Start: 26741, Stop: 27037, Start Num: 40
Candidate Starts for Scottish_27:
(Start: 40 @26741 has 522 MA's), (47, 26855), (48, 26903), (53, 26918), (54, 26936), (56, 26948), (58, 26972), (61, 26984),

Gene: Scowl_36 Start: 29483, Stop: 29779, Start Num: 40
Candidate Starts for Scowl_36:
(Start: 40 @29483 has 522 MA's), (52, 29657), (58, 29714),

Gene: Scrick_58 Start: 48662, Stop: 48372, Start Num: 39
Candidate Starts for Scrick_58:
(Start: 35 @48737 has 53 MA's), (Start: 39 @48662 has 173 MA's), (43, 48623), (46, 48581), (48, 48506), (50, 48500), (56, 48461),

Gene: Seabastian_26 Start: 25661, Stop: 25945, Start Num: 40
Candidate Starts for Seabastian_26:
(Start: 40 @25661 has 522 MA's), (55, 25862),

Gene: Seabiscuit_38 Start: 28985, Stop: 29281, Start Num: 40
Candidate Starts for Seabiscuit_38:
(Start: 40 @28985 has 522 MA's), (52, 29159),

Gene: Seagreen_27 Start: 25434, Stop: 25730, Start Num: 40
Candidate Starts for Seagreen_27:

(Start: 40 @25434 has 522 MA's), (52, 25608), (58, 25665),

Gene: Seanderson_37 Start: 29613, Stop: 29909, Start Num: 40

Candidate Starts for Seanderson_37:

(Start: 40 @29613 has 522 MA's), (52, 29787),

Gene: Selr12_59 Start: 48705, Stop: 48340, Start Num: 35

Candidate Starts for Selr12_59:

(Start: 35 @48705 has 53 MA's), (Start: 39 @48630 has 173 MA's), (43, 48591), (46, 48549), (48, 48474), (50, 48468), (56, 48429),

Gene: Serendipity_57 Start: 48945, Stop: 48655, Start Num: 39

Candidate Starts for Serendipity_57:

(Start: 35 @49020 has 53 MA's), (Start: 39 @48945 has 173 MA's), (43, 48906), (46, 48864), (48, 48789), (50, 48783), (56, 48744),

Gene: Serpentine_0057 Start: 49103, Stop: 48738, Start Num: 35

Candidate Starts for Serpentine_0057:

(Start: 35 @49103 has 53 MA's), (Start: 39 @49028 has 173 MA's), (43, 48989), (46, 48947), (48, 48872), (50, 48866), (56, 48827),

Gene: ShamWow_31 Start: 29283, Stop: 29567, Start Num: 40

Candidate Starts for ShamWow_31:

(Start: 40 @29283 has 522 MA's), (46, 29367), (47, 29397), (55, 29484),

Gene: Shauna1_23 Start: 24601, Stop: 24885, Start Num: 40

Candidate Starts for Shauna1_23:

(Start: 40 @24601 has 522 MA's), (55, 24802), (61, 24832),

Gene: Sheila_55 Start: 47989, Stop: 47699, Start Num: 39

Candidate Starts for Sheila_55:

(Start: 35 @48064 has 53 MA's), (Start: 39 @47989 has 173 MA's), (43, 47950), (46, 47908), (48, 47833), (50, 47827), (56, 47788),

Gene: ShereKhan_33 Start: 30266, Stop: 30550, Start Num: 40

Candidate Starts for ShereKhan_33:

(Start: 40 @30266 has 522 MA's), (46, 30350), (47, 30380), (55, 30467),

Gene: ShiLan_26 Start: 25631, Stop: 25915, Start Num: 40

Candidate Starts for ShiLan_26:

(Start: 40 @25631 has 522 MA's), (55, 25832), (61, 25862),

Gene: ShiVal_55 Start: 48622, Stop: 48332, Start Num: 40

Candidate Starts for ShiVal_55:

(Start: 40 @48622 has 522 MA's), (43, 48583), (46, 48541), (48, 48466), (50, 48460), (56, 48421),

Gene: ShowerHandel_27 Start: 25632, Stop: 25916, Start Num: 40

Candidate Starts for ShowerHandel_27:

(Start: 40 @25632 has 522 MA's), (55, 25833), (61, 25863),

Gene: ShroomBoi_23 Start: 24491, Stop: 24775, Start Num: 40

Candidate Starts for ShroomBoi_23:

(Start: 40 @24491 has 522 MA's), (55, 24692), (61, 24722),

Gene: SiSi_26 Start: 25430, Stop: 25714, Start Num: 40

Candidate Starts for SiSi_26:

(21, 25310), (Start: 33 @25352 has 1 MA's), (Start: 40 @25430 has 522 MA's), (55, 25631), (61, 25661),

Gene: Sibs6_37 Start: 28102, Stop: 28386, Start Num: 40

Candidate Starts for Sibs6_37:

(Start: 40 @28102 has 522 MA's), (55, 28303),

Gene: Sigman_58 Start: 48581, Stop: 48291, Start Num: 39

Candidate Starts for Sigman_58:

(Start: 35 @48656 has 53 MA's), (Start: 39 @48581 has 173 MA's), (43, 48542), (46, 48500), (48, 48425), (50, 48419), (56, 48380),

Gene: Simielle_56 Start: 48584, Stop: 48294, Start Num: 40

Candidate Starts for Simielle_56:

(37, 48644), (Start: 40 @48584 has 522 MA's), (43, 48545), (46, 48503), (48, 48428), (50, 48422), (56, 48383),

Gene: Simpliphy_32 Start: 29028, Stop: 29312, Start Num: 40

Candidate Starts for Simpliphy_32:

(Start: 40 @29028 has 522 MA's), (46, 29112), (47, 29142), (55, 29229),

Gene: SimranZ1_27 Start: 25268, Stop: 25564, Start Num: 40

Candidate Starts for SimranZ1_27:

(Start: 40 @25268 has 522 MA's), (47, 25382), (51, 25439), (52, 25442), (56, 25475),

Gene: SirDuracell_30 Start: 27948, Stop: 28232, Start Num: 40

Candidate Starts for SirDuracell_30:

(Start: 40 @27948 has 522 MA's), (46, 28032), (47, 28062), (55, 28149),

Gene: SkiPole_39 Start: 29440, Stop: 29724, Start Num: 40

Candidate Starts for SkiPole_39:

(Start: 40 @29440 has 522 MA's), (55, 29641),

Gene: Skippy_58 Start: 48881, Stop: 48591, Start Num: 39

Candidate Starts for Skippy_58:

(Start: 35 @48956 has 53 MA's), (Start: 39 @48881 has 173 MA's), (43, 48842), (46, 48800), (48, 48725), (50, 48719), (56, 48680),

Gene: Slagathor_37 Start: 29063, Stop: 29359, Start Num: 40

Candidate Starts for Slagathor_37:

(Start: 40 @29063 has 522 MA's), (52, 29237), (58, 29294),

Gene: Slatt_58 Start: 48946, Stop: 48656, Start Num: 39

Candidate Starts for Slatt_58:

(Start: 35 @49021 has 53 MA's), (Start: 39 @48946 has 173 MA's), (43, 48907), (46, 48865), (48, 48790), (50, 48784), (56, 48745),

Gene: Smeagol_38 Start: 30296, Stop: 30580, Start Num: 40

Candidate Starts for Smeagol_38:

(Start: 40 @30296 has 522 MA's), (55, 30497),

Gene: Snazzy_35 Start: 28974, Stop: 29270, Start Num: 40

Candidate Starts for Snazzy_35:

(Start: 40 @28974 has 522 MA's), (52, 29148), (58, 29205),

Gene: Soile_58 Start: 49169, Stop: 48879, Start Num: 40

Candidate Starts for Soile_58:

(37, 49229), (Start: 40 @49169 has 522 MA's), (43, 49130), (46, 49088), (48, 49013), (50, 49007), (56, 48968),

Gene: Solon_36 Start: 29282, Stop: 29566, Start Num: 40

Candidate Starts for Solon_36:

(Start: 40 @29282 has 522 MA's), (55, 29483),

Gene: Solosis_56 Start: 48642, Stop: 48352, Start Num: 39

Candidate Starts for Solosis_56:

(Start: 35 @48717 has 53 MA's), (Start: 39 @48642 has 173 MA's), (43, 48603), (46, 48561), (48, 48486), (50, 48480), (56, 48441),

Gene: SophKB_31 Start: 29282, Stop: 29566, Start Num: 40

Candidate Starts for SophKB_31:

(Start: 40 @29282 has 522 MA's), (46, 29366), (47, 29396), (55, 29483),

Gene: Sophia_56 Start: 48636, Stop: 48346, Start Num: 39

Candidate Starts for Sophia_56:

(Start: 35 @48711 has 53 MA's), (Start: 39 @48636 has 173 MA's), (43, 48597), (46, 48555), (48, 48480), (50, 48474), (56, 48435),

Gene: Sorpresa_35 Start: 29052, Stop: 29336, Start Num: 40

Candidate Starts for Sorpresa_35:

(Start: 40 @29052 has 522 MA's), (55, 29253),

Gene: Soto_55 Start: 47961, Stop: 47671, Start Num: 39

Candidate Starts for Soto_55:

(Start: 35 @48036 has 53 MA's), (Start: 39 @47961 has 173 MA's), (43, 47922), (46, 47880), (48, 47805), (50, 47799), (56, 47760),

Gene: Sotrice96_31 Start: 29237, Stop: 29521, Start Num: 40

Candidate Starts for Sotrice96_31:

(Start: 40 @29237 has 522 MA's), (46, 29321), (47, 29351), (55, 29438),

Gene: Soul22_30 Start: 24966, Stop: 25262, Start Num: 40

Candidate Starts for Soul22_30:

(Start: 40 @24966 has 522 MA's), (47, 25080), (48, 25128), (53, 25143), (54, 25161), (56, 25173), (58, 25197), (61, 25209),

Gene: Sparkdehlily_26 Start: 25466, Stop: 25762, Start Num: 40

Candidate Starts for Sparkdehlily_26:

(Start: 40 @25466 has 522 MA's), (47, 25580), (51, 25637), (52, 25640), (56, 25673),

Gene: Spartacus_27 Start: 25674, Stop: 25958, Start Num: 40

Candidate Starts for Spartacus_27:

(Start: 40 @25674 has 522 MA's), (55, 25875), (61, 25905),

Gene: Spartan300_56 Start: 48620, Stop: 48330, Start Num: 40
Candidate Starts for Spartan300_56:
(Start: 40 @48620 has 522 MA's), (43, 48581), (46, 48539), (48, 48464), (50, 48458), (56, 48419),

Gene: SpikeBT_38 Start: 30031, Stop: 30315, Start Num: 40
Candidate Starts for SpikeBT_38:
(Start: 40 @30031 has 522 MA's), (55, 30232),

Gene: Spikelee_27 Start: 25422, Stop: 25706, Start Num: 40
Candidate Starts for Spikelee_27:
(21, 25302), (34, 25344), (Start: 40 @25422 has 522 MA's), (55, 25623),

Gene: Spoonbill_26 Start: 25630, Stop: 25926, Start Num: 40
Candidate Starts for Spoonbill_26:
(Start: 40 @25630 has 522 MA's), (47, 25744), (51, 25801), (52, 25804), (56, 25837),

Gene: Squee_37 Start: 29824, Stop: 30120, Start Num: 40
Candidate Starts for Squee_37:
(Start: 40 @29824 has 522 MA's), (52, 29998),

Gene: Squid_57 Start: 48723, Stop: 48358, Start Num: 35
Candidate Starts for Squid_57:
(Start: 35 @48723 has 53 MA's), (Start: 39 @48648 has 173 MA's), (43, 48609), (46, 48567), (48, 48492), (50, 48486), (56, 48447),

Gene: Squiggle_58 Start: 48656, Stop: 48366, Start Num: 39
Candidate Starts for Squiggle_58:
(Start: 35 @48731 has 53 MA's), (Start: 39 @48656 has 173 MA's), (43, 48617), (46, 48575), (48, 48500), (50, 48494), (56, 48455),

Gene: Squint_40 Start: 34823, Stop: 35119, Start Num: 40
Candidate Starts for Squint_40:
(Start: 22 @34703 has 1 MA's), (30, 34721), (34, 34745), (Start: 40 @34823 has 522 MA's), (54, 35018),

Gene: Stank_34 Start: 29789, Stop: 30073, Start Num: 40
Candidate Starts for Stank_34:
(Start: 40 @29789 has 522 MA's), (46, 29873), (47, 29903), (55, 29990),

Gene: Stap_27 Start: 25592, Stop: 25888, Start Num: 40
Candidate Starts for Stap_27:
(Start: 40 @25592 has 522 MA's), (53, 25769), (58, 25823),

Gene: Starcevich_27 Start: 25230, Stop: 25526, Start Num: 40
Candidate Starts for Starcevich_27:
(Start: 40 @25230 has 522 MA's), (51, 25401), (52, 25404), (56, 25437),

Gene: Stark_32 Start: 29041, Stop: 29325, Start Num: 40
Candidate Starts for Stark_32:
(Start: 40 @29041 has 522 MA's), (46, 29125), (47, 29155), (55, 29242),

Gene: StellaBean_31 Start: 29282, Stop: 29566, Start Num: 40

Candidate Starts for StellaBean_31:

(Start: 40 @29282 has 522 MA's), (46, 29366), (47, 29396), (55, 29483),

Gene: StolenFromERC_33 Start: 29273, Stop: 29557, Start Num: 40

Candidate Starts for StolenFromERC_33:

(Start: 40 @29273 has 522 MA's), (46, 29357), (47, 29387), (55, 29474),

Gene: Strokeseat_26 Start: 25696, Stop: 25980, Start Num: 40

Candidate Starts for Strokeseat_26:

(Start: 40 @25696 has 522 MA's), (55, 25897), (61, 25927),

Gene: StrongArm_35 Start: 30053, Stop: 30349, Start Num: 40

Candidate Starts for StrongArm_35:

(Start: 40 @30053 has 522 MA's), (51, 30224), (56, 30260),

Gene: Struggle_57 Start: 48485, Stop: 48195, Start Num: 39

Candidate Starts for Struggle_57:

(37, 48545), (Start: 39 @48485 has 173 MA's), (43, 48446), (46, 48404), (48, 48329), (50, 48323), (56, 48284),

Gene: Suffolk_55 Start: 48026, Stop: 47661, Start Num: 35

Candidate Starts for Suffolk_55:

(Start: 35 @48026 has 53 MA's), (Start: 39 @47951 has 173 MA's), (43, 47912), (46, 47870), (48, 47795), (50, 47789), (56, 47750),

Gene: Sumter_35 Start: 29006, Stop: 29302, Start Num: 40

Candidate Starts for Sumter_35:

(Start: 40 @29006 has 522 MA's), (52, 29180), (58, 29237),

Gene: Sunshine924_38 Start: 28931, Stop: 29215, Start Num: 40

Candidate Starts for Sunshine924_38:

(Start: 40 @28931 has 522 MA's), (55, 29132),

Gene: SuperGrey_26 Start: 26161, Stop: 26457, Start Num: 40

Candidate Starts for SuperGrey_26:

(Start: 40 @26161 has 522 MA's), (51, 26332), (52, 26335), (56, 26368),

Gene: Superphikiman_41 Start: 34766, Stop: 35182, Start Num: 22

Candidate Starts for Superphikiman_41:

(Start: 22 @34766 has 1 MA's), (30, 34784), (34, 34808), (Start: 40 @34886 has 522 MA's), (54, 35081),

Gene: Surely_57 Start: 48938, Stop: 48648, Start Num: 39

Candidate Starts for Surely_57:

(Start: 35 @49013 has 53 MA's), (Start: 39 @48938 has 173 MA's), (43, 48899), (46, 48857), (48, 48782), (50, 48776), (56, 48737),

Gene: SwagPigglett_26 Start: 25443, Stop: 25727, Start Num: 40

Candidate Starts for SwagPigglett_26:

(Start: 40 @25443 has 522 MA's), (55, 25644), (61, 25674),

Gene: Swiphy_59 Start: 48939, Stop: 48649, Start Num: 40

Candidate Starts for Swiphy_59:

(37, 48999), (Start: 40 @48939 has 522 MA's), (43, 48900), (46, 48858), (48, 48783), (50, 48777), (56, 48738),

Gene: Swish_58 Start: 48603, Stop: 48313, Start Num: 39

Candidate Starts for Swish_58:

(Start: 35 @48678 has 53 MA's), (Start: 39 @48603 has 173 MA's), (43, 48564), (46, 48522), (48, 48447), (50, 48441), (56, 48402),

Gene: SwissCheese_38 Start: 29677, Stop: 29973, Start Num: 40

Candidate Starts for SwissCheese_38:

(Start: 40 @29677 has 522 MA's), (53, 29854),

Gene: Switzer_37 Start: 29091, Stop: 29375, Start Num: 40

Candidate Starts for Switzer_37:

(Start: 40 @29091 has 522 MA's), (55, 29292),

Gene: Swole_38 Start: 29050, Stop: 29346, Start Num: 40

Candidate Starts for Swole_38:

(Start: 40 @29050 has 522 MA's), (52, 29224),

Gene: TBrady12_33 Start: 29273, Stop: 29557, Start Num: 40

Candidate Starts for TBrady12_33:

(Start: 40 @29273 has 522 MA's), (46, 29357), (47, 29387), (55, 29474),

Gene: TChen_24 Start: 25630, Stop: 25926, Start Num: 40

Candidate Starts for TChen_24:

(Start: 40 @25630 has 522 MA's), (46, 25714), (48, 25792), (53, 25807), (54, 25825), (56, 25837), (58, 25861), (61, 25873),

Gene: TDanisky_26 Start: 25466, Stop: 25762, Start Num: 40

Candidate Starts for TDanisky_26:

(Start: 40 @25466 has 522 MA's), (47, 25580), (51, 25637), (52, 25640), (56, 25673),

Gene: Taj_26 Start: 25626, Stop: 25910, Start Num: 40

Candidate Starts for Taj_26:

(Start: 40 @25626 has 522 MA's), (55, 25827), (61, 25857),

Gene: TallGrassMM_57 Start: 48627, Stop: 48262, Start Num: 35

Candidate Starts for TallGrassMM_57:

(Start: 35 @48627 has 53 MA's), (Start: 39 @48552 has 173 MA's), (43, 48513), (46, 48471), (48, 48396), (50, 48390), (56, 48351),

Gene: Tarkin_33 Start: 30272, Stop: 30556, Start Num: 40

Candidate Starts for Tarkin_33:

(Start: 40 @30272 has 522 MA's), (46, 30356), (47, 30386), (55, 30473),

Gene: Tasp14_37 Start: 29221, Stop: 29517, Start Num: 40

Candidate Starts for Tasp14_37:

(Start: 40 @29221 has 522 MA's), (52, 29395), (58, 29452),

Gene: TeardropMSU_30 Start: 29183, Stop: 29467, Start Num: 40

Candidate Starts for TeardropMSU_30:

(Start: 40 @29183 has 522 MA's), (46, 29267), (47, 29297), (55, 29384),

Gene: Teaspoon_32 Start: 29236, Stop: 29520, Start Num: 40
Candidate Starts for Teaspoon_32:
(Start: 40 @29236 has 522 MA's), (46, 29320), (47, 29350), (55, 29437),

Gene: Telesworld_55 Start: 48715, Stop: 48425, Start Num: 39
Candidate Starts for Telesworld_55:
(Start: 35 @48790 has 53 MA's), (Start: 39 @48715 has 173 MA's), (43, 48676), (46, 48634), (48, 48559), (50, 48553), (56, 48514),

Gene: Teodoridan_34 Start: 28478, Stop: 28774, Start Num: 40
Candidate Starts for Teodoridan_34:
(Start: 40 @28478 has 522 MA's), (52, 28652), (58, 28709),

Gene: Terminus_31 Start: 29370, Stop: 29654, Start Num: 40
Candidate Starts for Terminus_31:
(Start: 40 @29370 has 522 MA's), (46, 29454), (47, 29484), (55, 29571),

Gene: TheloniousMonk_38 Start: 30619, Stop: 30915, Start Num: 40
Candidate Starts for TheloniousMonk_38:
(Start: 40 @30619 has 522 MA's), (52, 30793), (58, 30850),

Gene: ThetaBob_25 Start: 24808, Stop: 25104, Start Num: 40
Candidate Starts for ThetaBob_25:
(Start: 40 @24808 has 522 MA's), (46, 24892), (47, 24922), (48, 24970), (53, 24985), (56, 25015), (57, 25030), (58, 25039), (61, 25051),

Gene: Thor_36 Start: 28578, Stop: 28874, Start Num: 40
Candidate Starts for Thor_36:
(Start: 40 @28578 has 522 MA's), (52, 28752),

Gene: Thora_57 Start: 48934, Stop: 48644, Start Num: 39
Candidate Starts for Thora_57:
(Start: 35 @49009 has 53 MA's), (Start: 39 @48934 has 173 MA's), (43, 48895), (46, 48853), (48, 48778), (50, 48772), (56, 48733),

Gene: ThreeOh3D2_58 Start: 49229, Stop: 48864, Start Num: 35
Candidate Starts for ThreeOh3D2_58:
(Start: 35 @49229 has 53 MA's), (Start: 39 @49154 has 173 MA's), (43, 49115), (46, 49073), (48, 48998), (50, 48992), (56, 48953),

Gene: Thresher_32 Start: 30037, Stop: 30321, Start Num: 40
Candidate Starts for Thresher_32:
(Start: 40 @30037 has 522 MA's), (46, 30121), (47, 30151), (55, 30238),

Gene: Thunderbird_57 Start: 48640, Stop: 48350, Start Num: 39
Candidate Starts for Thunderbird_57:
(37, 48700), (Start: 39 @48640 has 173 MA's), (43, 48601), (46, 48559), (48, 48484), (50, 48478), (56, 48439),

Gene: Timmi_56 Start: 48637, Stop: 48347, Start Num: 39
Candidate Starts for Timmi_56:

(Start: 35 @48712 has 53 MA's), (Start: 39 @48637 has 173 MA's), (43, 48598), (46, 48556), (48, 48481), (50, 48475), (56, 48436),

Gene: TomBombadil_57 Start: 48922, Stop: 48632, Start Num: 39

Candidate Starts for TomBombadil_57:

(Start: 35 @48997 has 53 MA's), (Start: 39 @48922 has 173 MA's), (43, 48883), (46, 48841), (48, 48766), (50, 48760), (56, 48721),

Gene: Tomaszewski_30 Start: 28880, Stop: 29164, Start Num: 40

Candidate Starts for Tomaszewski_30:

(Start: 40 @28880 has 522 MA's), (46, 28964), (47, 28994), (55, 29081),

Gene: Tomlarah_58 Start: 49449, Stop: 49159, Start Num: 39

Candidate Starts for Tomlarah_58:

(Start: 35 @49524 has 53 MA's), (Start: 39 @49449 has 173 MA's), (43, 49410), (46, 49368), (48, 49293), (50, 49287), (56, 49248),

Gene: Toni_56 Start: 48674, Stop: 48309, Start Num: 35

Candidate Starts for Toni_56:

(Start: 35 @48674 has 53 MA's), (Start: 39 @48599 has 173 MA's), (43, 48560), (46, 48518), (48, 48443), (50, 48437), (56, 48398),

Gene: Tooj_55 Start: 48065, Stop: 47775, Start Num: 39

Candidate Starts for Tooj_55:

(Start: 35 @48140 has 53 MA's), (Start: 39 @48065 has 173 MA's), (43, 48026), (46, 47984), (48, 47909), (50, 47903), (56, 47864),

Gene: TootsiePop_27 Start: 25312, Stop: 25596, Start Num: 40

Candidate Starts for TootsiePop_27:

(Start: 40 @25312 has 522 MA's), (55, 25513), (61, 25543),

Gene: Tootsieroll_27 Start: 25435, Stop: 25719, Start Num: 40

Candidate Starts for Tootsieroll_27:

(Start: 40 @25435 has 522 MA's), (55, 25636), (61, 25666),

Gene: Totinger_29 Start: 25348, Stop: 25644, Start Num: 40

Candidate Starts for Totinger_29:

(Start: 40 @25348 has 522 MA's), (47, 25462), (51, 25519), (52, 25522), (56, 25555),

Gene: Toto_31 Start: 29283, Stop: 29567, Start Num: 40

Candidate Starts for Toto_31:

(Start: 40 @29283 has 522 MA's), (46, 29367), (47, 29397), (55, 29484),

Gene: Traaww1_29 Start: 28921, Stop: 29205, Start Num: 40

Candidate Starts for Traaww1_29:

(Start: 40 @28921 has 522 MA's), (46, 29005), (47, 29035), (55, 29122),

Gene: Traft412_38 Start: 30032, Stop: 30316, Start Num: 40

Candidate Starts for Traft412_38:

(Start: 40 @30032 has 522 MA's), (55, 30233),

Gene: Treddle_38 Start: 30321, Stop: 30605, Start Num: 40

Candidate Starts for Treddle_38:

(Start: 40 @30321 has 522 MA's), (55, 30522),

Gene: Tripl3t_37 Start: 29821, Stop: 30117, Start Num: 40

Candidate Starts for Tripl3t_37:

(Start: 40 @29821 has 522 MA's), (52, 29995),

Gene: Trouble_37 Start: 29935, Stop: 30219, Start Num: 40

Candidate Starts for Trouble_37:

(Start: 40 @29935 has 522 MA's), (55, 30136),

Gene: True_56 Start: 48680, Stop: 48315, Start Num: 35

Candidate Starts for True_56:

(Start: 35 @48680 has 53 MA's), (Start: 39 @48605 has 173 MA's), (43, 48566), (46, 48524), (48, 48449), (50, 48443), (56, 48404),

Gene: Trypo_59 Start: 49071, Stop: 48781, Start Num: 39

Candidate Starts for Trypo_59:

(37, 49131), (Start: 39 @49071 has 173 MA's), (43, 49032), (46, 48990), (48, 48915), (50, 48909), (56, 48870),

Gene: Tuco_32 Start: 29791, Stop: 30075, Start Num: 40

Candidate Starts for Tuco_32:

(Start: 40 @29791 has 522 MA's), (46, 29875), (47, 29905), (55, 29992),

Gene: Turj99_35 Start: 28874, Stop: 29158, Start Num: 40

Candidate Starts for Turj99_35:

(Start: 40 @28874 has 522 MA's), (55, 29075),

Gene: Tweety_27 Start: 25642, Stop: 25926, Start Num: 40

Candidate Starts for Tweety_27:

(Start: 40 @25642 has 522 MA's), (55, 25843), (61, 25873),

Gene: TwoPeat_36 Start: 29418, Stop: 29714, Start Num: 40

Candidate Starts for TwoPeat_36:

(Start: 40 @29418 has 522 MA's), (51, 29589), (56, 29625),

Gene: TyrionL_57 Start: 48496, Stop: 48206, Start Num: 39

Candidate Starts for TyrionL_57:

(37, 48556), (Start: 39 @48496 has 173 MA's), (43, 48457), (46, 48415), (48, 48340), (50, 48334), (56, 48295),

Gene: U2_36 Start: 29076, Stop: 29360, Start Num: 40

Candidate Starts for U2_36:

(Start: 40 @29076 has 522 MA's), (55, 29277),

Gene: UAch1_56 Start: 48749, Stop: 48384, Start Num: 35

Candidate Starts for UAch1_56:

(Start: 35 @48749 has 53 MA's), (Start: 39 @48674 has 173 MA's), (43, 48635), (46, 48593), (48, 48518), (50, 48512), (56, 48473),

Gene: Ukulele_31 Start: 29041, Stop: 29325, Start Num: 40

Candidate Starts for Ukulele_31:

(Start: 40 @29041 has 522 MA's), (46, 29125), (47, 29155), (55, 29242),

Gene: UncleHowie_56 Start: 48349, Stop: 48059, Start Num: 39

Candidate Starts for UncleHowie_56:

(Start: 35 @48424 has 53 MA's), (Start: 39 @48349 has 173 MA's), (43, 48310), (46, 48268), (48, 48193), (50, 48187), (56, 48148),

Gene: UncleRicky_29 Start: 26761, Stop: 27045, Start Num: 40

Candidate Starts for UncleRicky_29:

(Start: 40 @26761 has 522 MA's), (55, 26962), (61, 26992),

Gene: Usavi_57 Start: 49017, Stop: 48727, Start Num: 39

Candidate Starts for Usavi_57:

(Start: 35 @49092 has 53 MA's), (Start: 39 @49017 has 173 MA's), (43, 48978), (46, 48936), (48, 48861), (50, 48855), (56, 48816),

Gene: VRedHorse_26 Start: 25637, Stop: 25933, Start Num: 40

Candidate Starts for VRedHorse_26:

(Start: 40 @25637 has 522 MA's), (52, 25811), (58, 25868),

Gene: Vaishali24_55 Start: 48309, Stop: 48019, Start Num: 39

Candidate Starts for Vaishali24_55:

(Start: 35 @48384 has 53 MA's), (Start: 39 @48309 has 173 MA's), (43, 48270), (46, 48228), (48, 48153), (50, 48147), (56, 48108),

Gene: Valjean_56 Start: 48630, Stop: 48340, Start Num: 40

Candidate Starts for Valjean_56:

(Start: 40 @48630 has 522 MA's), (43, 48591), (46, 48549), (48, 48474), (50, 48468), (56, 48429),

Gene: Vaticameos_54 Start: 47215, Stop: 46850, Start Num: 35

Candidate Starts for Vaticameos_54:

(Start: 35 @47215 has 53 MA's), (Start: 39 @47140 has 173 MA's), (43, 47101), (46, 47059), (48, 46984), (50, 46978), (56, 46939),

Gene: Veritas_58 Start: 48765, Stop: 48475, Start Num: 39

Candidate Starts for Veritas_58:

(Start: 35 @48840 has 53 MA's), (Start: 39 @48765 has 173 MA's), (43, 48726), (46, 48684), (48, 48609), (50, 48603), (56, 48564),

Gene: Veteran_26 Start: 25445, Stop: 25741, Start Num: 40

Candidate Starts for Veteran_26:

(Start: 40 @25445 has 522 MA's), (47, 25559), (51, 25616), (52, 25619), (56, 25652),

Gene: Violet_35 Start: 29494, Stop: 29790, Start Num: 40

Candidate Starts for Violet_35:

(Start: 40 @29494 has 522 MA's), (52, 29668), (58, 29725),

Gene: Virapocalypse_58 Start: 48930, Stop: 48640, Start Num: 39

Candidate Starts for Virapocalypse_58:

(37, 48990), (Start: 39 @48930 has 173 MA's), (43, 48891), (46, 48849), (48, 48774), (50, 48768), (56, 48729),

Gene: Virgeve_56 Start: 48367, Stop: 48077, Start Num: 40

Candidate Starts for Virgeve_56:

(37, 48427), (Start: 40 @48367 has 522 MA's), (43, 48328), (46, 48286), (48, 48211), (50, 48205), (56, 48166),

Gene: Vista_56 Start: 48725, Stop: 48360, Start Num: 35

Candidate Starts for Vista_56:

(Start: 35 @48725 has 53 MA's), (Start: 39 @48650 has 173 MA's), (43, 48611), (46, 48569), (48, 48494), (50, 48488), (56, 48449),

Gene: Vivaldi_58 Start: 48874, Stop: 48509, Start Num: 35

Candidate Starts for Vivaldi_58:

(Start: 35 @48874 has 53 MA's), (Start: 39 @48799 has 173 MA's), (41, 48790), (43, 48760), (46, 48718), (48, 48643), (50, 48637), (56, 48598),

Gene: Vortex_57 Start: 48632, Stop: 48342, Start Num: 39

Candidate Starts for Vortex_57:

(Start: 35 @48707 has 53 MA's), (Start: 39 @48632 has 173 MA's), (43, 48593), (46, 48551), (48, 48476), (50, 48470), (56, 48431),

Gene: Wachhund_26 Start: 25615, Stop: 25899, Start Num: 40

Candidate Starts for Wachhund_26:

(Start: 40 @25615 has 522 MA's), (55, 25816), (61, 25846),

Gene: Wallhey_57 Start: 48500, Stop: 48210, Start Num: 39

Candidate Starts for Wallhey_57:

(37, 48560), (Start: 39 @48500 has 173 MA's), (43, 48461), (46, 48419), (48, 48344), (50, 48338), (56, 48299),

Gene: Wanda_47 Start: 37843, Stop: 38139, Start Num: 40

Candidate Starts for Wanda_47:

(Start: 40 @37843 has 522 MA's), (53, 38020), (58, 38074),

Gene: Waterdiva_57 Start: 49086, Stop: 48721, Start Num: 35

Candidate Starts for Waterdiva_57:

(Start: 35 @49086 has 53 MA's), (Start: 39 @49011 has 173 MA's), (43, 48972), (46, 48930), (48, 48855), (50, 48849), (56, 48810),

Gene: Watermelon_38 Start: 29830, Stop: 30114, Start Num: 40

Candidate Starts for Watermelon_38:

(Start: 40 @29830 has 522 MA's), (55, 30031),

Gene: Wee_27 Start: 26086, Stop: 26448, Start Num: 33

Candidate Starts for Wee_27:

(25, 26053), (Start: 33 @26086 has 1 MA's), (Start: 40 @26164 has 522 MA's), (55, 26365), (61, 26395),

Gene: Weher20_57 Start: 49455, Stop: 49165, Start Num: 39

Candidate Starts for Weher20_57:

(Start: 35 @49530 has 53 MA's), (Start: 39 @49455 has 173 MA's), (43, 49416), (46, 49374), (48, 49299), (50, 49293), (56, 49254),

Gene: Whatsapiecost_26 Start: 25641, Stop: 25925, Start Num: 40

Candidate Starts for Whatsapiecost_26:

(Start: 40 @25641 has 522 MA's), (55, 25842), (61, 25872),

Gene: Wheeler_37 Start: 29414, Stop: 29698, Start Num: 40

Candidate Starts for Wheeler_37:

(Start: 40 @29414 has 522 MA's), (55, 29615),

Gene: Whouxphf_26 Start: 25688, Stop: 25984, Start Num: 40

Candidate Starts for Whouxphf_26:

(Start: 40 @25688 has 522 MA's), (48, 25850), (53, 25865), (54, 25883), (56, 25895), (58, 25919), (61, 25931),

Gene: Wiggin_34 Start: 29787, Stop: 30071, Start Num: 40

Candidate Starts for Wiggin_34:

(Start: 40 @29787 has 522 MA's), (46, 29871), (47, 29901), (55, 29988),

Gene: WillSterrel_27 Start: 26807, Stop: 27091, Start Num: 40

Candidate Starts for WillSterrel_27:

(27, 26699), (Start: 40 @26807 has 522 MA's), (47, 26921), (55, 27008), (61, 27038),

Gene: Willez_30 Start: 28787, Stop: 29071, Start Num: 40

Candidate Starts for Willez_30:

(Start: 40 @28787 has 522 MA's), (46, 28871), (47, 28901), (55, 28988),

Gene: Windsor_57 Start: 49155, Stop: 48865, Start Num: 39

Candidate Starts for Windsor_57:

(Start: 35 @49230 has 53 MA's), (Start: 39 @49155 has 173 MA's), (43, 49116), (46, 49074), (48, 48999), (50, 48993), (56, 48954),

Gene: XFactor_26 Start: 25596, Stop: 25880, Start Num: 40

Candidate Starts for XFactor_26:

(Start: 40 @25596 has 522 MA's), (55, 25797), (61, 25827),

Gene: Xandras_33 Start: 29273, Stop: 29557, Start Num: 40

Candidate Starts for Xandras_33:

(Start: 40 @29273 has 522 MA's), (46, 29357), (47, 29387), (55, 29474),

Gene: Xavier_56 Start: 48714, Stop: 48349, Start Num: 35

Candidate Starts for Xavier_56:

(Start: 35 @48714 has 53 MA's), (Start: 39 @48639 has 173 MA's), (43, 48600), (46, 48558), (48, 48483), (50, 48477), (56, 48438),

Gene: YassJohnny_32 Start: 29798, Stop: 30082, Start Num: 40

Candidate Starts for YassJohnny_32:

(Start: 40 @29798 has 522 MA's), (46, 29882), (47, 29912), (55, 29999),

Gene: Yorick_26 Start: 25630, Stop: 25914, Start Num: 40

Candidate Starts for Yorick_26:

(Start: 40 @25630 has 522 MA's), (55, 25831), (61, 25861),

Gene: Yoshand_58 Start: 48616, Stop: 48326, Start Num: 39

Candidate Starts for Yoshand_58:

(Start: 35 @48691 has 53 MA's), (Start: 39 @48616 has 173 MA's), (43, 48577), (46, 48535), (48, 48460), (50, 48454), (56, 48415),

Gene: Yoshi_29 Start: 24217, Stop: 24513, Start Num: 40
Candidate Starts for Yoshi_29:
(Start: 40 @24217 has 522 MA's), (46, 24301), (47, 24331), (48, 24379), (53, 24394), (54, 24412), (56, 24424), (58, 24448), (61, 24460),

Gene: YouGoGlencoco_58 Start: 48934, Stop: 48644, Start Num: 39
Candidate Starts for YouGoGlencoco_58:
(Start: 35 @49009 has 53 MA's), (Start: 39 @48934 has 173 MA's), (43, 48895), (46, 48853), (48, 48778), (50, 48772), (56, 48733),

Gene: Youngblood_31 Start: 29443, Stop: 29727, Start Num: 40
Candidate Starts for Youngblood_31:
(Start: 40 @29443 has 522 MA's), (46, 29527), (47, 29557), (55, 29644),

Gene: Zaider_57 Start: 48874, Stop: 48584, Start Num: 40
Candidate Starts for Zaider_57:
(Start: 40 @48874 has 522 MA's), (43, 48835), (46, 48793), (48, 48718), (50, 48712), (56, 48673),

Gene: Zapner_31 Start: 25660, Stop: 25956, Start Num: 40
Candidate Starts for Zapner_31:
(23, 25540), (31, 25558), (Start: 40 @25660 has 522 MA's), (46, 25744), (47, 25774), (48, 25822), (53, 25837), (56, 25867), (57, 25882), (58, 25891), (61, 25903),

Gene: Zeeculate_36 Start: 29723, Stop: 30019, Start Num: 40
Candidate Starts for Zeeculate_36:
(Start: 40 @29723 has 522 MA's), (52, 29897), (58, 29954),

Gene: Zelda_57 Start: 48976, Stop: 48686, Start Num: 39
Candidate Starts for Zelda_57:
(Start: 35 @49051 has 53 MA's), (Start: 39 @48976 has 173 MA's), (43, 48937), (46, 48895), (48, 48820), (50, 48814), (56, 48775),

Gene: Zephyr_36 Start: 29188, Stop: 29484, Start Num: 40
Candidate Starts for Zephyr_36:
(Start: 40 @29188 has 522 MA's), (51, 29359), (56, 29395),

Gene: Zerg_26 Start: 25405, Stop: 25689, Start Num: 40
Candidate Starts for Zerg_26:
(21, 25285), (34, 25327), (Start: 40 @25405 has 522 MA's), (55, 25606),

Gene: Zeuska_37 Start: 29663, Stop: 29947, Start Num: 40
Candidate Starts for Zeuska_37:
(Start: 40 @29663 has 522 MA's), (55, 29864),

Gene: Zizzle_26 Start: 25574, Stop: 25858, Start Num: 40
Candidate Starts for Zizzle_26:
(Start: 40 @25574 has 522 MA's), (55, 25775), (61, 25805),

Gene: Zonia_58 Start: 48951, Stop: 48661, Start Num: 39
Candidate Starts for Zonia_58:
(37, 49011), (Start: 39 @48951 has 173 MA's), (43, 48912), (46, 48870), (48, 48795), (50, 48789), (56, 48750),

Gene: xkcd_32 Start: 29452, Stop: 29736, Start Num: 40

Candidate Starts for xkcd_32:

(Start: 40 @29452 has 522 MA's), (46, 29536), (47, 29566), (55, 29653),