



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 169653 Report

This analysis was run 07/09/24 on database version 566.

Pham number 169653 has 276 members, 20 are drafts.

Phages represented in each track:

- Track 1 : DillTech15_54, RockyHorror_58, Marker_59
- Track 2 : Quico_66, Sandalphon_59, Whatsapiecost_58, Minnie_61, Florinda_69, Veteran_54, Squirty_60, Chevrolet_66, ArcusAngelus_60, Girafales_67, MilleniumForce_61, Ramsey_57
- Track 3 : Cabrinians_58, OlympiaSaint_59, Zizzle_61, Burwell21_55, ShowerHandel_60, Sebastian_62, Brocalys_52, Llama_62, OfUltron_62, Kimberlium_59, Oksu_61, Dante_58, Martik_57, QuickMath_58, DaWorst_58, Lizziana_63, Starceвич_56, Latretium_59, KristaRAM_60, Rita_58, AlpineSix_62, LunaBlu_59, ShiLan_56, Clifton_52, Radiance_56, Hlubikazi_53, Saal_59, Alexphander_61, SiSi_55, MadMen_55, Galactic_56, Madiba_55, Gorge_61, Mattes_61, Mantra_53, SwagPigglett_62, Pippy_55, FreddyB_58, Ibhubesi_57, Strokeseat_53, Chuckly_60, LastJedi_51, Koella_51, Priscilla_57, GigiOuiOui_53, Karhdo_54, Yorick_56, Rialto_63, Crumble_52
- Track 4 : Fancypants_59, Ochi17_60, BobaPhett_61
- Track 5 : Coco12_56, Estave1_60, Lij_53, LilMoolah_55, Drago_55, Scottish_55, Sabbb_61, DRBy19_60, Spikelee_64, OldBen_54, Whouxphf_54, Mova_58, SimranZ1_57, Nivrat_53, Phatniss_55, Leozinho_56, Velveteen_52, Renaud18_62, DosHalletts_59, LittleShirley_56, Totinger_59, ByChance_49, Kingsley_54, Eish_61, James_61, VRedHorse_57, Maravista_58, Sarma624_55, UncleRicky_56, Tootsieroll_58, Philus_60, Ovechkin_56, Mutaforma13_61, Mahavrat_55, Lorde_57, Royals2015_60
- Track 6 : Poenanya_57, Empress_55
- Track 7 : DirtMcgirt_56, Job42_59, Blexus_55, Firehouse51_58, BigPhil_53, BlueCrab_57, Cerasum_53, Plumbus_59
- Track 8 : Juniper1_60
- Track 9 : PhesterPhotato_59, MilanaBonita_48, Phanphagia_55, Ardmore_50, Shauna1_56, Hamulus_59, Donkeykong_61, Akhila_49, Bobi_63, Filuzino_56, Wachhund_59, Emma_59, DLane_53, Aubs_58, Phalconet_56, Tweety_57, TDanisky_65, XFactor_56, Sparkdehlily_65, Flathead_58
- Track 10 : Doug_59, Jarcob_57, Pollywog_58, Mandlovu_53, Jinglebell_62, NormanBulbieJr_57, Modragons_61
- Track 11 : Frankie_65, Misha28_57, LilSpotty_59, Awesomesauce_59, TootsiePop_57
- Track 12 : IrishSherpFalk_58, WillSterrel_58, Spartacus_59
- Track 13 : Taj_61, CaptainTrips_54
- Track 14 : Che8_62, Phasih_55, Soul22_63, JalFarm20_70, TChen_57, Harley_60, Gandolph_60, LunaStella_55, Yoshi_69, Seagreen_57, Juice456_58,

- EleanorGeorge_58, ThetaBob_61
- Track 15 : Kersh_59, ShroomBoi_59
 - Track 16 : Hades_58, DeadP_63
 - Track 17 : Stap_55, Deb65_53, Leperchaun_49, Daenerys_51, JoeyJr_52, Spoonbill_54, RedBird_55, PHappiness_52, RitaG_52, Geralt_52, BodEinwohner17_57, KingMidas_56, Pacc40_51, Dorothy_55, Nimbo_51, Polka14_55, Doomphist_57
 - Track 18 : DocMcStuffins_58, MulchSalad_59, Piper2020_60, ChickenDinner_61
 - Track 19 : Cornucopia_59
 - Track 20 : Bubbles123_54, Ogopogo_63, SuperGrey_61
 - Track 21 : Sassafras_55, Inventum_52
 - Track 22 : Batiatus_56
 - Track 23 : Eradicator_50, MinionDave_56, Guppsters_58, IbOuu_58
 - Track 24 : Kenuha5_55
 - Track 25 : Moonbeam_56, PopTart_52, SassyB_52, StAnnes_56
 - Track 26 : Girr_55, Ruby_53, MisterCuddles_55
 - Track 27 : Krakatau_55, Beakin_59, Bipolar_56, Melissau88_56, Ms6_53
 - Track 28 : Juniper1_57
 - Track 29 : Hegedechwinu_57, SG4_54, BuzzLyseyear_63, Enby_58
 - Track 30 : OwlsT2W_57
 - Track 31 : Fruitloop_55
 - Track 32 : Nitzel_55
 - Track 33 : Boomer_62, PMC_54
 - Track 34 : DotProduct_52, DaddyRickover_56
 - Track 35 : Zerg_57
 - Track 36 : Rockne_58
 - Track 37 : Fastidio_56
 - Track 38 : Byougenkin_55
 - Track 39 : Mozy_66
 - Track 40 : GUmbie_55
 - Track 41 : Jabbawokkie_71, Blarby_69, Zapner_70
 - Track 42 : Demsculpinboyz_67
 - Track 43 : Che9d_65, Cornie_52
 - Track 44 : Avani_65
 - Track 45 : QueenHazel_40, Xula_39
 - Track 46 : Rebel_41, Aggie_43, Purgamenstris_49, Nenae_49, Redi_49, Raymond7_43, BabeRuth_50, Silvy_43, ShrimpFriedEgg_49, PhancyPhin_49
 - Track 47 : Melville_49, Fulbright_44, Jamie19_43, Panchino_42, Parmesanjohn_45, Phloss_43, Duplicity_45, Schnauzer_46, SpongeBob_43, Gex_45, Magsby_45, Scitech_42, Chewbacca_47, Xerxes_45, Pipsqueaks_45, Smurph_45, Snekmaggon_43, Tapioca_47, Carcharodon_45, Silvafighter_46
 - Track 48 : Rubeelu_48, Kevin1_47, MichelleMyBell_45, Butters_48
 - Track 49 : Bosection6_45
 - Track 50 : MooMoo_58

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

The start number called the most often in the published annotations is 17, it was called in 174 of the 256 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_49, Alexphander_61, AlpineSix_62, ArcusAngelus_60, Ardmore_50, Aubs_58, Avani_65, Batiatus_56, Blarby_69, Bobi_63, BodEinwohner17_57, Brocalys_52, Bubbles123_54, Burwell21_55, ByChance_49, Byougenkin_55, Cabrinians_58, CaptainTrips_54, Che8_62, Che9d_65, Chevrolet_66, Chuckly_60, Clifton_52, Coco12_56, Cornie_52, Cornucopia_59, Crumble_52, DLane_53, DRBy19_60, DaWorst_58, Daenerys_51, Dante_58, Deb65_53, Demsculpinboyz_67, DillTech15_54, Donkeykong_61, Doomphist_57, Dorothy_55, DosHalletts_59, Drago_55, Eish_61, EleanorGeorge_58, Emma_59, Eradicator_50, Estave1_60, Filuzino_56, Flathead_58, Florinda_69, FreddyB_58, Fruitloop_55, Galactic_56, Gandalph_60, Geralt_52, GigiOuiOui_53, Girafales_67, Girr_55, Gorge_61, Guppsters_58, Hamulus_59, Harley_60, Hlubikazi_53, IbOuu_58, Ibhubesi_57, Inventum_52, IrishSherpFalk_58, Jabbawokkie_71, JalFarm20_70, James_61, JoeyJr_52, Juice456_58, Juniper1_57, Karhdo_54, Kersh_59, Kimberlium_59, KingMidas_56, Kingsley_54, Koella_51, KristaRAM_60, LastJedi_51, Latretium_59, Leozinho_56, Leperchaun_49, LilMoolah_55, LittleShirley_56, Lizziana_63, Llama_62, Llij_53, Lorde_57, LunaBlu_59, LunaStella_55, MadMen_55, Madiba_55, Mahavrat_55, Mantra_53, Maravista_58, Marker_59, Martik_57, Mattes_61, MilanaBonita_48, MilleniumForce_61, MinionDave_56, Minnie_61, MisterCuddles_55, Mova_58, Mozy_66, Mutaforma13_61, Nimbo_51, Nivrat_53, OfUltron_62, Ogopogo_63, Oksu_61, OldBen_54, OlympiaSaint_59, Ovechkin_56, OwlsT2W_57, PHappiness_52, Pacc40_51, Phalconet_56, Phanphagia_55, Phasih_55, Phatniss_55, PhesterPhotato_59, Philus_60, Pippy_55, Polka14_55, Priscilla_57, QuickMath_58, Quico_66, Radiance_56, Ramsey_57, RedBird_55, Renaud18_62, Rialto_63, RitaG_52, Rita_58, RockyHorror_58, Royals2015_60, Ruby_53, Saal_59, Sabbb_61, Sandalphon_59, Sarma624_55, Sassafras_55, Scottish_55, Seabastian_62, Seagreen_57, Shauna1_56, ShiLan_56, ShowerHandel_60, ShroomBoi_59, SiSi_55, SimranZ1_57, Soul22_63, Sparkdehlily_65, Spartacus_59, Spikelee_64, Spoonbill_54, Squirty_60, Stap_55, Starcevich_56, Strokeseat_53, SuperGrey_61, SwagPigglett_62, TChen_57, TDanisky_65, Taj_61, ThetaBob_61, Tootsieroll_58, Totinger_59, Tweety_57, UncleRicky_56, VRedHorse_57, Velveteen_52, Veteran_54, Wachhund_59, Whatsapiecost_58, Whouxphf_54, WillSterrel_58, XFactor_56, Yorick_56, Yoshi_69, Zapner_70, Zizzle_61,

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

- Beakin_59, BigPhil_53, Bipolar_56, Blexus_55, BlueCrab_57, BobaPhett_61, Boomer_62, BuzzLyseyear_63, Cerasum_53, DaddyRickover_56, DeadP_63, DirtMcgirt_56, DotProduct_52, Doug_59, Empress_55, Enby_58, Fancypants_59, Fastidio_56, Firehouse51_58, GUmbie_55, Hades_58, Hegedechwinu_57, Jarcob_57, Jinglebell_62, Job42_59, Kenuha5_55, Krakatau_55, Mandlovu_53, Melissauren88_56, Modragons_61, Moonbeam_56, Ms6_53, Nitzel_55, NormanBulbieJr_57, Ochi17_60, PMC_54, Plumbus_59, Poenanya_57, Pollywog_58, PopTart_52, Rockne_58, SG4_54, SassyB_52, StAnnes_56, Zerg_57,

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

- Aggie_43, Awesomesauce_59, BabeRuth_50, Bosection6_45, Butters_48, Carcharodon_45, Chewbacca_47, ChickenDinner_61, DocMcStuffins_58, Duplicity_45, Frankie_65, Fulbright_44, Gex_45, Jamie19_43, Juniper1_60, Kevin1_47, LilSpotty_59, Magsby_45, Melville_49, MichelleMyBell_45, Misha28_57, MooMoo_58, MulchSalad_59, Nenae_49, Panchino_42, ParmesanJohn_45, PhancyPhin_49, Phloss_43, Piper2020_60, Pipsqueaks_45, Purgamenstris_49, QueenHazel_40, Raymond7_43, Rebel_41, Redi_49, Rubeelu_48, Schnauzer_46,

Scitech_42, ShrimpFriedEgg_49, Silvafighter_46, Silvy_43, Smurph_45, Snekmaggedon_43, SpongeBob_43, Tapioca_47, TootsiePop_57, Xerxes_45, Xula_39,

Summary by start number:

Start 15:

- Found in 242 of 276 (87.7%) of genes in pham
- Manual Annotations of this start: 44 of 256
- Called 21.1% of time when present
- Phage (with cluster) where this start called: Aggie_43 (N), BabeRuth_50 (N), Beakin_59 (F1), Bipolar_56 (F1), BobaPhett_61 (F1), Boomer_62 (F1), Bosection6_45 (N), Butters_48 (N), Carcharodon_45 (N), Chewbacca_47 (N), DaddyRickover_56 (F1), DotProduct_52 (F1), Duplicity_45 (N), Fancypants_59 (F1), Fastidio_56 (F1), Fulbright_44 (N), GUmble_55 (F1), Gex_45 (N), Jamie19_43 (N), Juniper1_60 (F1), Kenuha5_55 (F1), Kevin1_47 (N), Krakatau_55 (F1), Magsby_45 (N), Melissauren88_56 (F1), Melville_49 (N), MichelleMyBell_45 (N), Ms6_53 (F1), Nenae_49 (N), Ochi17_60 (F1), PMC_54 (F1), Panchino_42 (N), Parmesanjohn_45 (N), PhancyPhin_49 (N), Phloss_43 (N), Pipsqueaks_45 (N), Purgamenstris_49 (N), Raymond7_43 (N), Rebel_41 (N), Redi_49 (N), Rubeelu_48 (N), Schnauzer_46 (N), Scitech_42 (N), ShrimpFriedEgg_49 (N), Silvafighter_46 (N), Silvy_43 (N), Smurph_45 (N), Snekmaggedon_43 (N), SpongeBob_43 (N), Tapioca_47 (N), Xerxes_45 (N),

Start 16:

- Found in 230 of 276 (83.3%) of genes in pham
- Manual Annotations of this start: 32 of 256
- Called 14.3% of time when present
- Phage (with cluster) where this start called: BigPhil_53 (F1), Blexus_55 (F1), BlueCrab_57 (F1), BuzzLyseyear_63 (F1), Cerasum_53 (F1), DeadP_63 (F1), DirtMcgirt_56 (F1), Doug_59 (F1), Empress_55 (F1), Enby_58 (F1), Firehouse51_58 (F1), Hades_58 (F1), Hegedechwinu_57 (F1), Jarcob_57 (F1), Jinglebell_62 (F1), Job42_59 (F1), Mandlovu_53 (F1), Modragons_61 (F1), MooMoo_58 (singleton), Moonbeam_56 (F1), Nitzel_55 (F1), NormanBulbieJr_57 (F1), Plumbus_59 (F1), Poenanya_57 (F1), Pollywog_58 (F1), PopTart_52 (F1), QueenHazel_40 (I1), Rockne_58 (F1), SG4_54 (F1), SassyB_52 (F1), StAnnes_56 (F1), Xula_39 (I1), Zerg_57 (F1),

Start 17:

- Found in 228 of 276 (82.6%) of genes in pham
- Manual Annotations of this start: 174 of 256
- Called 80.3% of time when present
- Phage (with cluster) where this start called: Akhila_49 (F1), Alexphander_61 (F1), AlpineSix_62 (F1), ArcusAngelus_60 (F1), Ardmore_50 (F1), Aubs_58 (F1), Avani_65 (F2), Batiatus_56 (F1), Blarby_69 (F), Bobi_63 (F1), BodEinwohner17_57 (F1), Brocalys_52 (F1), Bubbles123_54 (F1), Burwell21_55 (F1), ByChance_49 (F1), Byougenkin_55 (F1), Cabrinians_58 (F1), CaptainTrips_54 (F1), Che8_62 (F1), Che9d_65 (F2), Chevrolet_66 (F1), Chuckly_60 (F1), Clifton_52 (F1), Coco12_56 (F1), Cornie_52 (F5), Cornucopia_59 (F1), Crumble_52 (F1), DLane_53 (F1), DRBy19_60 (F1), DaWorst_58 (F1), Daenerys_51 (F1), Dante_58 (F1), Deb65_53 (F1), Demsculpinboyz_67 (F2), DillTech15_54 (F1), Donkeykong_61 (F1), Doomphist_57 (F1), Dorothy_55 (F1), DosHalletts_59 (F1), Drago_55 (F1), Eish_61 (F1), EleanorGeorge_58 (F1), Emma_59 (F1), Eradicator_50 (F1), Estave1_60 (F1),

Filuzino_56 (F1), Flathead_58 (F1), Florinda_69 (F1), FreddyB_58 (F1), Fruitloop_55 (F1), Galactic_56 (F1), Gandolph_60 (F1), Geralt_52 (F1), GigiOuiOui_53 (F1), Girafales_67 (F1), Girr_55 (F1), Gorge_61 (F1), Guppsters_58 (F1), Hamulus_59 (F1), Harley_60 (F1), Hlubikazi_53 (F1), IbOuu_58 (F1), Ibhubesi_57 (F1), Inventum_52 (F1), IrishSherpFalk_58 (F1), Jabbawokkie_71 (F2), JalFarm20_70 (F1), James_61 (F1), JoeyJr_52 (F1), Juice456_58 (F1), Juniper1_57 (F1), Karhdo_54 (F1), Kersh_59 (F1), Kimberlium_59 (F1), KingMidas_56 (F1), Kingsley_54 (F1), Koella_51 (F1), KristaRAM_60 (F1), LastJedi_51 (F1), Latretium_59 (F1), Leozinho_56 (F1), Leperchaun_49 (F1), LilMoolah_55 (F1), LittleShirley_56 (F1), Lizziana_63 (F1), Llama_62 (F1), Llij_53 (F1), Lorde_57 (F1), LunaBlu_59 (F1), LunaStella_55 (F4), MadMen_55 (F1), Madiba_55 (F1), Mahavrat_55 (F1), Mantra_53 (F1), Maravista_58 (F1), Marker_59 (F1), Martik_57 (F1), Mattes_61 (F1), MilanaBonita_48 (F1), MilleniumForce_61 (F1), MinionDave_56 (F1), Minnie_61 (F1), MisterCuddles_55 (F1), Mova_58 (F1), Mozy_66 (F1), Mutaforma13_61 (F1), Nimbo_51 (F1), Nivrat_53 (F1), OfUltron_62 (F1), Ogopogo_63 (F1), Oksu_61 (F1), OldBen_54 (F1), OlympiaSaint_59 (F1), Ovechkin_56 (F1), OwlsT2W_57 (F1), PHappiness_52 (F1), Pacc40_51 (F1), Phalconet_56 (F1), Phanphagia_55 (F1), Phasih_55 (F1), Phatniss_55 (F1), PhesterPhotato_59 (F1), Philus_60 (F1), Pippy_55 (F1), Polka14_55 (F1), Priscilla_57 (F1), QuickMath_58 (F1), Quico_66 (F1), Radiance_56 (F1), Ramsey_57 (F1), RedBird_55 (F1), Renaud18_62 (F4), Rialto_63 (F1), RitaG_52 (F1), Rita_58 (F1), RockyHorror_58 (F1), Royals2015_60 (F1), Ruby_53 (F1), Saal_59 (F1), Sabbb_61 (F1), Sandalphon_59 (F1), Sarma624_55 (F1), Sassafras_55 (F1), Scottish_55 (F1), Seabastian_62 (F1), Seagreen_57 (F1), Shauna1_56 (F1), ShiLan_56 (F1), ShowerHandel_60 (F1), ShroomBoi_59 (F1), SiSi_55 (F1), SimranZ1_57 (F1), Soul22_63 (F2), Sparkdehlily_65 (F1), Spartacus_59 (F1), Spikelee_64 (F1), Spoonbill_54 (F1), Squirty_60 (F3), Stap_55 (F1), Starcevich_56 (F1), Strokeseat_53 (F1), SuperGrey_61 (F1), SwagPigglett_62 (F1), TChen_57 (F4), TDanisky_65 (F1), Taj_61 (F1), ThetaBob_61 (F4), Tootsieroll_58 (F1), Totinger_59 (F1), Tweety_57 (F1), UncleRicky_56 (F1), VRedHorse_57 (F1), Velveteen_52 (F1), Veteran_54 (F1), Wachhund_59 (F1), Whatsapiecost_58 (F1), Whouxphf_54 (F1), WillSterrel_58 (F1), XFactor_56 (F1), Yorick_56 (F1), Yoshi_69 (F2), Zapner_70 (F2), Zizzle_61 (F1),

Start 19:

- Found in 9 of 276 (3.3%) of genes in pham
- Manual Annotations of this start: 6 of 256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Awesomesauce_59 (F1), ChickenDinner_61 (F1), DocMcStuffins_58 (F1), Frankie_65 (F1), LilSpotty_59 (singleton), Misha28_57 (F1), MulchSalad_59 (F), Piper2020_60 (F1), TootsiePop_57 (F1),

Summary by clusters:

There are 9 clusters represented in this pham: F1, F2, F3, F4, F5, F, I1, singleton, N,

Info for manual annotations of cluster F1:

- Start number 15 was manually annotated 12 times for cluster F1.
- Start number 16 was manually annotated 29 times for cluster F1.
- Start number 17 was manually annotated 161 times for cluster F1.
- Start number 19 was manually annotated 5 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 17 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:

- Start number 17 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 17 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 17 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster I1:

- Start number 16 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster N:

- Start number 15 was manually annotated 32 times for cluster N.

Gene Information:

Gene: Aggie_43 Start: 30482, Stop: 30862, Start Num: 15

Candidate Starts for Aggie_43:

(2, 30200), (3, 30203), (6, 30347), (Start: 15 @30482 has 44 MA's), (25, 30578), (28, 30641), (33, 30704), (34, 30728), (44, 30779), (48, 30821), (51, 30851),

Gene: Akhila_49 Start: 35492, Stop: 35893, Start Num: 17

Candidate Starts for Akhila_49:

(Start: 15 @35483 has 44 MA's), (Start: 16 @35489 has 32 MA's), (Start: 17 @35492 has 174 MA's), (20, 35516), (35, 35744), (36, 35753), (38, 35768), (39, 35771), (49, 35861),

Gene: Alexphander_61 Start: 39449, Stop: 39943, Start Num: 17

Candidate Starts for Alexphander_61:

(Start: 15 @39440 has 44 MA's), (Start: 16 @39446 has 32 MA's), (Start: 17 @39449 has 174 MA's), (20, 39473), (30, 39632), (32, 39653), (36, 39713), (40, 39746), (43, 39761), (49, 39830), (54, 39881),

Gene: AlpineSix_62 Start: 41568, Stop: 42062, Start Num: 17

Candidate Starts for AlpineSix_62:

(Start: 15 @41559 has 44 MA's), (Start: 16 @41565 has 32 MA's), (Start: 17 @41568 has 174 MA's), (20, 41592), (30, 41751), (32, 41772), (36, 41832), (40, 41865), (43, 41880), (49, 41949), (54, 42000),

Gene: ArcusAngelus_60 Start: 40045, Stop: 40452, Start Num: 17

Candidate Starts for ArcusAngelus_60:

(Start: 15 @40036 has 44 MA's), (Start: 16 @40042 has 32 MA's), (Start: 17 @40045 has 174 MA's), (37, 40315), (49, 40420),

Gene: Ardmore_50 Start: 37578, Stop: 37979, Start Num: 17

Candidate Starts for Ardmore_50:

(Start: 15 @37569 has 44 MA's), (Start: 16 @37575 has 32 MA's), (Start: 17 @37578 has 174 MA's), (20, 37602), (35, 37830), (36, 37839), (38, 37854), (39, 37857), (49, 37947),

Gene: Aubs_58 Start: 39742, Stop: 40143, Start Num: 17

Candidate Starts for Aubs_58:

(Start: 15 @39733 has 44 MA's), (Start: 16 @39739 has 32 MA's), (Start: 17 @39742 has 174 MA's), (20, 39766), (35, 39994), (36, 40003), (38, 40018), (39, 40021), (49, 40111),

Gene: Avani_65 Start: 39767, Stop: 40261, Start Num: 17

Candidate Starts for Avani_65:

(Start: 17 @39767 has 174 MA's), (20, 39791), (30, 39950), (32, 39971), (36, 40031), (40, 40064), (43, 40079), (49, 40148), (54, 40199), (55, 40250),

Gene: Awesomesauce_59 Start: 38429, Stop: 38782, Start Num: 19

Candidate Starts for Awesomesauce_59:

(11, 38378), (12, 38384), (Start: 19 @38429 has 6 MA's), (23, 38471), (27, 38540), (33, 38621), (34, 38645), (45, 38702), (52, 38771),

Gene: BabeRuth_50 Start: 32627, Stop: 33007, Start Num: 15

Candidate Starts for BabeRuth_50:

(2, 32345), (3, 32348), (6, 32492), (Start: 15 @32627 has 44 MA's), (25, 32723), (28, 32786), (33, 32849), (34, 32873), (44, 32924), (48, 32966), (51, 32996),

Gene: Batiatus_56 Start: 39446, Stop: 39853, Start Num: 17

Candidate Starts for Batiatus_56:

(Start: 15 @39437 has 44 MA's), (Start: 16 @39443 has 32 MA's), (Start: 17 @39446 has 174 MA's), (20, 39470), (37, 39716), (49, 39821),

Gene: Beakin_59 Start: 38572, Stop: 38982, Start Num: 15

Candidate Starts for Beakin_59:

(Start: 15 @38572 has 44 MA's), (Start: 16 @38578 has 32 MA's), (Start: 17 @38581 has 174 MA's), (20, 38605), (35, 38833), (36, 38842), (38, 38857), (39, 38860), (49, 38950),

Gene: BigPhil_53 Start: 35158, Stop: 35655, Start Num: 16

Candidate Starts for BigPhil_53:

(Start: 15 @35152 has 44 MA's), (Start: 16 @35158 has 32 MA's), (Start: 17 @35161 has 174 MA's), (30, 35344), (32, 35365), (36, 35425), (40, 35458), (43, 35473), (49, 35542), (54, 35593),

Gene: Bipolar_56 Start: 39193, Stop: 39603, Start Num: 15

Candidate Starts for Bipolar_56:

(Start: 15 @39193 has 44 MA's), (Start: 16 @39199 has 32 MA's), (Start: 17 @39202 has 174 MA's), (20, 39226), (35, 39454), (36, 39463), (38, 39478), (39, 39481), (49, 39571),

Gene: Blarby_69 Start: 40862, Stop: 41356, Start Num: 17

Candidate Starts for Blarby_69:

(Start: 17 @40862 has 174 MA's), (20, 40886), (23, 40925), (30, 41045), (31, 41060), (32, 41066), (36, 41126), (40, 41159), (43, 41174), (45, 41186), (49, 41243), (54, 41294),

Gene: Blexus_55 Start: 39416, Stop: 39913, Start Num: 16

Candidate Starts for Blexus_55:

(Start: 15 @39410 has 44 MA's), (Start: 16 @39416 has 32 MA's), (Start: 17 @39419 has 174 MA's), (30, 39602), (32, 39623), (36, 39683), (40, 39716), (43, 39731), (49, 39800), (54, 39851),

Gene: BlueCrab_57 Start: 39724, Stop: 40221, Start Num: 16

Candidate Starts for BlueCrab_57:

(Start: 15 @39718 has 44 MA's), (Start: 16 @39724 has 32 MA's), (Start: 17 @39727 has 174 MA's), (30, 39910), (32, 39931), (36, 39991), (40, 40024), (43, 40039), (49, 40108), (54, 40159),

Gene: BobaPhett_61 Start: 41669, Stop: 42172, Start Num: 15

Candidate Starts for BobaPhett_61:

(Start: 15 @41669 has 44 MA's), (Start: 16 @41675 has 32 MA's), (Start: 17 @41678 has 174 MA's), (20, 41702), (30, 41861), (32, 41882), (36, 41942), (40, 41975), (43, 41990), (49, 42059), (54, 42110),

Gene: Bobi_63 Start: 41055, Stop: 41456, Start Num: 17

Candidate Starts for Bobi_63:

(Start: 15 @41046 has 44 MA's), (Start: 16 @41052 has 32 MA's), (Start: 17 @41055 has 174 MA's), (20, 41079), (35, 41307), (36, 41316), (38, 41331), (39, 41334), (49, 41424),

Gene: BodEinwohner17_57 Start: 38489, Stop: 38983, Start Num: 17

Candidate Starts for BodEinwohner17_57:

(Start: 15 @38480 has 44 MA's), (Start: 16 @38486 has 32 MA's), (Start: 17 @38489 has 174 MA's), (30, 38672), (31, 38687), (32, 38693), (36, 38753), (43, 38801), (45, 38813), (49, 38870), (54, 38921),

Gene: Boomer_62 Start: 41344, Stop: 41847, Start Num: 15

Candidate Starts for Boomer_62:

(Start: 15 @41344 has 44 MA's), (Start: 16 @41350 has 32 MA's), (Start: 17 @41353 has 174 MA's), (30, 41536), (32, 41557), (36, 41617), (40, 41650), (43, 41665), (50, 41743), (54, 41785),

Gene: Bosection6_45 Start: 30372, Stop: 30755, Start Num: 15

Candidate Starts for Bosection6_45:

(2, 30090), (3, 30093), (6, 30237), (11, 30348), (Start: 15 @30372 has 44 MA's), (Start: 16 @30378 has 32 MA's), (25, 30471), (28, 30534), (33, 30597), (34, 30621), (44, 30672), (48, 30714), (51, 30744),

Gene: Brocalys_52 Start: 35863, Stop: 36357, Start Num: 17

Candidate Starts for Brocalys_52:

(Start: 15 @35854 has 44 MA's), (Start: 16 @35860 has 32 MA's), (Start: 17 @35863 has 174 MA's), (20, 35887), (30, 36046), (32, 36067), (36, 36127), (40, 36160), (43, 36175), (49, 36244), (54, 36295),

Gene: Bubbles123_54 Start: 39367, Stop: 39762, Start Num: 17

Candidate Starts for Bubbles123_54:

(Start: 15 @39358 has 44 MA's), (Start: 16 @39364 has 32 MA's), (Start: 17 @39367 has 174 MA's), (35, 39613), (36, 39622), (38, 39637), (39, 39640), (49, 39730),

Gene: Burwell21_55 Start: 38961, Stop: 39455, Start Num: 17

Candidate Starts for Burwell21_55:

(Start: 15 @38952 has 44 MA's), (Start: 16 @38958 has 32 MA's), (Start: 17 @38961 has 174 MA's), (20, 38985), (30, 39144), (32, 39165), (36, 39225), (40, 39258), (43, 39273), (49, 39342), (54, 39393),

Gene: Butters_48 Start: 32426, Stop: 32803, Start Num: 15

Candidate Starts for Butters_48:

(1, 32126), (6, 32291), (Start: 15 @32426 has 44 MA's), (25, 32519), (28, 32582), (33, 32645), (34, 32669), (44, 32720),

Gene: BuzzLyseyear_63 Start: 40382, Stop: 40879, Start Num: 16

Candidate Starts for BuzzLyseyear_63:

(Start: 15 @40376 has 44 MA's), (Start: 16 @40382 has 32 MA's), (Start: 17 @40385 has 174 MA's), (30, 40568), (31, 40583), (32, 40589), (36, 40649), (40, 40682), (43, 40697), (49, 40766), (54, 40817),

Gene: ByChance_49 Start: 34652, Stop: 35146, Start Num: 17

Candidate Starts for ByChance_49:

(Start: 15 @34643 has 44 MA's), (Start: 16 @34649 has 32 MA's), (Start: 17 @34652 has 174 MA's), (30, 34835), (32, 34856), (36, 34916), (40, 34949), (43, 34964), (49, 35033), (54, 35084),

Gene: Byougenkin_55 Start: 38728, Stop: 39222, Start Num: 17

Candidate Starts for Byougenkin_55:

(Start: 17 @38728 has 174 MA's), (30, 38911), (32, 38932), (36, 38992), (40, 39025), (43, 39040), (50, 39118), (54, 39160),

Gene: Cabrinians_58 Start: 39039, Stop: 39533, Start Num: 17

Candidate Starts for Cabrinians_58:

(Start: 15 @39030 has 44 MA's), (Start: 16 @39036 has 32 MA's), (Start: 17 @39039 has 174 MA's), (20, 39063), (30, 39222), (32, 39243), (36, 39303), (40, 39336), (43, 39351), (49, 39420), (54, 39471),

Gene: CaptainTrips_54 Start: 38535, Stop: 39029, Start Num: 17

Candidate Starts for CaptainTrips_54:

(Start: 15 @38526 has 44 MA's), (Start: 16 @38532 has 32 MA's), (Start: 17 @38535 has 174 MA's), (20, 38559), (30, 38718), (31, 38733), (32, 38739), (36, 38799), (40, 38832), (43, 38847), (49, 38916), (54, 38967),

Gene: Carcharodon_45 Start: 31721, Stop: 32104, Start Num: 15

Candidate Starts for Carcharodon_45:

(6, 31586), (11, 31697), (Start: 15 @31721 has 44 MA's), (Start: 16 @31727 has 32 MA's), (25, 31820), (28, 31883), (33, 31946), (34, 31970), (44, 32021), (48, 32063), (51, 32093),

Gene: Cerasum_53 Start: 35176, Stop: 35673, Start Num: 16

Candidate Starts for Cerasum_53:

(Start: 15 @35170 has 44 MA's), (Start: 16 @35176 has 32 MA's), (Start: 17 @35179 has 174 MA's), (30, 35362), (32, 35383), (36, 35443), (40, 35476), (43, 35491), (49, 35560), (54, 35611),

Gene: Che8_62 Start: 41668, Stop: 42162, Start Num: 17

Candidate Starts for Che8_62:

(Start: 17 @41668 has 174 MA's), (30, 41851), (32, 41872), (36, 41932), (40, 41965), (43, 41980), (49, 42049), (54, 42100),

Gene: Che9d_65 Start: 38750, Stop: 39244, Start Num: 17

Candidate Starts for Che9d_65:

(Start: 17 @38750 has 174 MA's), (20, 38774), (23, 38813), (28, 38906), (30, 38933), (31, 38948), (32, 38954), (36, 39014), (43, 39062), (45, 39074), (50, 39140), (54, 39182),

Gene: Chevrolet_66 Start: 40046, Stop: 40453, Start Num: 17

Candidate Starts for Chevrolet_66:

(Start: 15 @40037 has 44 MA's), (Start: 16 @40043 has 32 MA's), (Start: 17 @40046 has 174 MA's), (37, 40316), (49, 40421),

Gene: Chewbacca_47 Start: 31721, Stop: 32104, Start Num: 15

Candidate Starts for Chewbacca_47:

(6, 31586), (11, 31697), (Start: 15 @31721 has 44 MA's), (Start: 16 @31727 has 32 MA's), (25, 31820), (28, 31883), (33, 31946), (34, 31970), (44, 32021), (48, 32063), (51, 32093),

Gene: ChickenDinner_61 Start: 39346, Stop: 39699, Start Num: 19

Candidate Starts for ChickenDinner_61:

(Start: 19 @39346 has 6 MA's), (23, 39388), (27, 39457), (33, 39538), (34, 39562), (45, 39619), (52, 39688),

Gene: Chuckly_60 Start: 39681, Stop: 40175, Start Num: 17

Candidate Starts for Chuckly_60:

(Start: 15 @39672 has 44 MA's), (Start: 16 @39678 has 32 MA's), (Start: 17 @39681 has 174 MA's), (20, 39705), (30, 39864), (32, 39885), (36, 39945), (40, 39978), (43, 39993), (49, 40062), (54, 40113),

Gene: Clifton_52 Start: 36214, Stop: 36708, Start Num: 17

Candidate Starts for Clifton_52:

(Start: 15 @36205 has 44 MA's), (Start: 16 @36211 has 32 MA's), (Start: 17 @36214 has 174 MA's), (20, 36238), (30, 36397), (32, 36418), (36, 36478), (40, 36511), (43, 36526), (49, 36595), (54, 36646),

Gene: Coco12_56 Start: 39236, Stop: 39730, Start Num: 17

Candidate Starts for Coco12_56:

(Start: 15 @39227 has 44 MA's), (Start: 16 @39233 has 32 MA's), (Start: 17 @39236 has 174 MA's), (30, 39419), (32, 39440), (36, 39500), (40, 39533), (43, 39548), (49, 39617), (54, 39668),

Gene: Cornie_52 Start: 37254, Stop: 37748, Start Num: 17

Candidate Starts for Cornie_52:

(Start: 17 @37254 has 174 MA's), (20, 37278), (23, 37317), (28, 37410), (30, 37437), (31, 37452), (32, 37458), (36, 37518), (43, 37566), (45, 37578), (50, 37644), (54, 37686),

Gene: Cornucopia_59 Start: 39695, Stop: 40189, Start Num: 17

Candidate Starts for Cornucopia_59:

(Start: 17 @39695 has 174 MA's), (20, 39719), (30, 39878), (32, 39899), (36, 39959), (40, 39992), (43, 40007), (49, 40076), (54, 40127),

Gene: Crumble_52 Start: 34975, Stop: 35469, Start Num: 17

Candidate Starts for Crumble_52:

(Start: 15 @34966 has 44 MA's), (Start: 16 @34972 has 32 MA's), (Start: 17 @34975 has 174 MA's), (20, 34999), (30, 35158), (32, 35179), (36, 35239), (40, 35272), (43, 35287), (49, 35356), (54, 35407),

Gene: DLane_53 Start: 38102, Stop: 38503, Start Num: 17

Candidate Starts for DLane_53:

(Start: 15 @38093 has 44 MA's), (Start: 16 @38099 has 32 MA's), (Start: 17 @38102 has 174 MA's), (20, 38126), (35, 38354), (36, 38363), (38, 38378), (39, 38381), (49, 38471),

Gene: DRBy19_60 Start: 40139, Stop: 40633, Start Num: 17

Candidate Starts for DRBy19_60:

(Start: 15 @40130 has 44 MA's), (Start: 16 @40136 has 32 MA's), (Start: 17 @40139 has 174 MA's), (30, 40322), (32, 40343), (36, 40403), (40, 40436), (43, 40451), (49, 40520), (54, 40571),

Gene: DaWorst_58 Start: 39440, Stop: 39934, Start Num: 17

Candidate Starts for DaWorst_58:

(Start: 15 @39431 has 44 MA's), (Start: 16 @39437 has 32 MA's), (Start: 17 @39440 has 174 MA's), (20, 39464), (30, 39623), (32, 39644), (36, 39704), (40, 39737), (43, 39752), (49, 39821), (54, 39872),

Gene: DaddyRickover_56 Start: 39169, Stop: 39672, Start Num: 15

Candidate Starts for DaddyRickover_56:

(Start: 15 @39169 has 44 MA's), (Start: 16 @39175 has 32 MA's), (Start: 17 @39178 has 174 MA's), (30, 39361), (32, 39382), (36, 39442), (40, 39475), (43, 39490), (49, 39559), (54, 39610),

Gene: Daenerys_51 Start: 37294, Stop: 37788, Start Num: 17

Candidate Starts for Daenerys_51:

(Start: 15 @37285 has 44 MA's), (Start: 16 @37291 has 32 MA's), (Start: 17 @37294 has 174 MA's), (30, 37477), (31, 37492), (32, 37498), (36, 37558), (43, 37606), (45, 37618), (49, 37675), (54, 37726),

Gene: Dante_58 Start: 38963, Stop: 39457, Start Num: 17

Candidate Starts for Dante_58:

(Start: 15 @38954 has 44 MA's), (Start: 16 @38960 has 32 MA's), (Start: 17 @38963 has 174 MA's), (20, 38987), (30, 39146), (32, 39167), (36, 39227), (40, 39260), (43, 39275), (49, 39344), (54, 39395),

Gene: DeadP_63 Start: 41612, Stop: 42103, Start Num: 16

Candidate Starts for DeadP_63:

(Start: 15 @41606 has 44 MA's), (Start: 16 @41612 has 32 MA's), (Start: 17 @41615 has 174 MA's), (20, 41639), (30, 41792), (31, 41807), (32, 41813), (36, 41873), (40, 41906), (43, 41921), (49, 41990), (54, 42041),

Gene: Deb65_53 Start: 37263, Stop: 37757, Start Num: 17

Candidate Starts for Deb65_53:

(Start: 15 @37254 has 44 MA's), (Start: 16 @37260 has 32 MA's), (Start: 17 @37263 has 174 MA's), (30, 37446), (31, 37461), (32, 37467), (36, 37527), (43, 37575), (45, 37587), (49, 37644), (54, 37695),

Gene: Demsculpinboyz_67 Start: 38751, Stop: 39245, Start Num: 17

Candidate Starts for Demsculpinboyz_67:

(Start: 17 @38751 has 174 MA's), (28, 38907), (30, 38934), (31, 38949), (32, 38955), (36, 39015), (43, 39063), (45, 39075), (50, 39141), (54, 39183),

Gene: DillTech15_54 Start: 37628, Stop: 38122, Start Num: 17

Candidate Starts for DillTech15_54:

(Start: 15 @37619 has 44 MA's), (Start: 16 @37625 has 32 MA's), (Start: 17 @37628 has 174 MA's), (28, 37784), (30, 37811), (32, 37832), (36, 37892), (40, 37925), (43, 37940), (49, 38009), (54, 38060),

Gene: DirtMcgirt_56 Start: 37700, Stop: 38197, Start Num: 16

Candidate Starts for DirtMcgirt_56:

(Start: 15 @37694 has 44 MA's), (Start: 16 @37700 has 32 MA's), (Start: 17 @37703 has 174 MA's), (30, 37886), (32, 37907), (36, 37967), (40, 38000), (43, 38015), (49, 38084), (54, 38135),

Gene: DocMcStuffins_58 Start: 39346, Stop: 39699, Start Num: 19

Candidate Starts for DocMcStuffins_58:

(Start: 19 @39346 has 6 MA's), (23, 39388), (27, 39457), (33, 39538), (34, 39562), (45, 39619), (52, 39688),

Gene: Donkeykong_61 Start: 41997, Stop: 42398, Start Num: 17

Candidate Starts for Donkeykong_61:

(Start: 15 @41988 has 44 MA's), (Start: 16 @41994 has 32 MA's), (Start: 17 @41997 has 174 MA's), (20, 42021), (35, 42249), (36, 42258), (38, 42273), (39, 42276), (49, 42366),

Gene: Doomphist_57 Start: 40139, Stop: 40633, Start Num: 17

Candidate Starts for Doomphist_57:

(Start: 15 @40130 has 44 MA's), (Start: 16 @40136 has 32 MA's), (Start: 17 @40139 has 174 MA's), (30, 40322), (31, 40337), (32, 40343), (36, 40403), (43, 40451), (45, 40463), (49, 40520), (54, 40571),

Gene: Dorothy_55 Start: 38358, Stop: 38852, Start Num: 17

Candidate Starts for Dorothy_55:

(Start: 15 @38349 has 44 MA's), (Start: 16 @38355 has 32 MA's), (Start: 17 @38358 has 174 MA's), (30, 38541), (31, 38556), (32, 38562), (36, 38622), (43, 38670), (45, 38682), (49, 38739), (54, 38790),

Gene: DosHalletts_59 Start: 40494, Stop: 40988, Start Num: 17

Candidate Starts for DosHalletts_59:

(Start: 15 @40485 has 44 MA's), (Start: 16 @40491 has 32 MA's), (Start: 17 @40494 has 174 MA's), (30, 40677), (32, 40698), (36, 40758), (40, 40791), (43, 40806), (49, 40875), (54, 40926),

Gene: DotProduct_52 Start: 37748, Stop: 38251, Start Num: 15

Candidate Starts for DotProduct_52:

(Start: 15 @37748 has 44 MA's), (Start: 16 @37754 has 32 MA's), (Start: 17 @37757 has 174 MA's), (30, 37940), (32, 37961), (36, 38021), (40, 38054), (43, 38069), (49, 38138), (54, 38189),

Gene: Doug_59 Start: 39703, Stop: 40200, Start Num: 16

Candidate Starts for Doug_59:

(Start: 15 @39697 has 44 MA's), (Start: 16 @39703 has 32 MA's), (Start: 17 @39706 has 174 MA's), (20, 39730), (30, 39889), (32, 39910), (36, 39970), (40, 40003), (43, 40018), (49, 40087), (54, 40138),

Gene: Drago_55 Start: 37706, Stop: 38200, Start Num: 17

Candidate Starts for Drago_55:

(Start: 15 @37697 has 44 MA's), (Start: 16 @37703 has 32 MA's), (Start: 17 @37706 has 174 MA's), (30, 37889), (32, 37910), (36, 37970), (40, 38003), (43, 38018), (49, 38087), (54, 38138),

Gene: Duplicity_45 Start: 31730, Stop: 32113, Start Num: 15

Candidate Starts for Duplicity_45:

(6, 31595), (11, 31706), (Start: 15 @31730 has 44 MA's), (Start: 16 @31736 has 32 MA's), (25, 31829), (28, 31892), (33, 31955), (34, 31979), (44, 32030), (48, 32072), (51, 32102),

Gene: Eish_61 Start: 39955, Stop: 40449, Start Num: 17

Candidate Starts for Eish_61:

(Start: 15 @39946 has 44 MA's), (Start: 16 @39952 has 32 MA's), (Start: 17 @39955 has 174 MA's), (30, 40138), (32, 40159), (36, 40219), (40, 40252), (43, 40267), (49, 40336), (54, 40387),

Gene: EleanorGeorge_58 Start: 39822, Stop: 40316, Start Num: 17

Candidate Starts for EleanorGeorge_58:

(Start: 17 @39822 has 174 MA's), (30, 40005), (32, 40026), (36, 40086), (40, 40119), (43, 40134), (49, 40203), (54, 40254),

Gene: Emma_59 Start: 39114, Stop: 39515, Start Num: 17

Candidate Starts for Emma_59:

(Start: 15 @39105 has 44 MA's), (Start: 16 @39111 has 32 MA's), (Start: 17 @39114 has 174 MA's), (20, 39138), (35, 39366), (36, 39375), (38, 39390), (39, 39393), (49, 39483),

Gene: Empress_55 Start: 38705, Stop: 39202, Start Num: 16

Candidate Starts for Empress_55:

(Start: 15 @38699 has 44 MA's), (Start: 16 @38705 has 32 MA's), (Start: 17 @38708 has 174 MA's), (30, 38891), (31, 38906), (32, 38912), (36, 38972), (43, 39020), (45, 39032), (49, 39089), (54, 39140),

Gene: Enby_58 Start: 37979, Stop: 38476, Start Num: 16

Candidate Starts for Enby_58:

(Start: 15 @37973 has 44 MA's), (Start: 16 @37979 has 32 MA's), (Start: 17 @37982 has 174 MA's), (30, 38165), (31, 38180), (32, 38186), (36, 38246), (40, 38279), (43, 38294), (49, 38363), (54, 38414),

Gene: Eradicator_50 Start: 37235, Stop: 37729, Start Num: 17

Candidate Starts for Eradicator_50:

(Start: 15 @37226 has 44 MA's), (Start: 16 @37232 has 32 MA's), (Start: 17 @37235 has 174 MA's), (30, 37418), (31, 37433), (32, 37439), (36, 37499), (40, 37532), (43, 37547), (49, 37616), (54, 37667),

Gene: Estave1_60 Start: 40159, Stop: 40653, Start Num: 17

Candidate Starts for Estave1_60:

(Start: 15 @40150 has 44 MA's), (Start: 16 @40156 has 32 MA's), (Start: 17 @40159 has 174 MA's), (30, 40342), (32, 40363), (36, 40423), (40, 40456), (43, 40471), (49, 40540), (54, 40591),

Gene: Fancypants_59 Start: 39664, Stop: 40167, Start Num: 15

Candidate Starts for Fancypants_59:

(Start: 15 @39664 has 44 MA's), (Start: 16 @39670 has 32 MA's), (Start: 17 @39673 has 174 MA's), (20, 39697), (30, 39856), (32, 39877), (36, 39937), (40, 39970), (43, 39985), (49, 40054), (54, 40105),

Gene: Fastidio_56 Start: 37766, Stop: 38269, Start Num: 15

Candidate Starts for Fastidio_56:

(Start: 15 @37766 has 44 MA's), (Start: 16 @37772 has 32 MA's), (Start: 17 @37775 has 174 MA's), (28, 37931), (30, 37958), (32, 37979), (36, 38039), (40, 38072), (43, 38087), (49, 38156), (54, 38207),

Gene: Filuzino_56 Start: 38404, Stop: 38805, Start Num: 17

Candidate Starts for Filuzino_56:

(Start: 15 @38395 has 44 MA's), (Start: 16 @38401 has 32 MA's), (Start: 17 @38404 has 174 MA's), (20, 38428), (35, 38656), (36, 38665), (38, 38680), (39, 38683), (49, 38773),

Gene: Firehouse51_58 Start: 42554, Stop: 43051, Start Num: 16

Candidate Starts for Firehouse51_58:

(Start: 15 @42548 has 44 MA's), (Start: 16 @42554 has 32 MA's), (Start: 17 @42557 has 174 MA's), (30, 42740), (32, 42761), (36, 42821), (40, 42854), (43, 42869), (49, 42938), (54, 42989),

Gene: Flathead_58 Start: 39871, Stop: 40272, Start Num: 17

Candidate Starts for Flathead_58:

(Start: 15 @39862 has 44 MA's), (Start: 16 @39868 has 32 MA's), (Start: 17 @39871 has 174 MA's), (20, 39895), (35, 40123), (36, 40132), (38, 40147), (39, 40150), (49, 40240),

Gene: Florinda_69 Start: 41495, Stop: 41902, Start Num: 17

Candidate Starts for Florinda_69:

(Start: 15 @41486 has 44 MA's), (Start: 16 @41492 has 32 MA's), (Start: 17 @41495 has 174 MA's), (37, 41765), (49, 41870),

Gene: Frankie_65 Start: 41824, Stop: 42177, Start Num: 19

Candidate Starts for Frankie_65:

(11, 41773), (12, 41779), (Start: 19 @41824 has 6 MA's), (23, 41866), (27, 41935), (33, 42016), (34, 42040), (45, 42097), (52, 42166),

Gene: FreddyB_58 Start: 37887, Stop: 38381, Start Num: 17

Candidate Starts for FreddyB_58:

(Start: 15 @37878 has 44 MA's), (Start: 16 @37884 has 32 MA's), (Start: 17 @37887 has 174 MA's), (20, 37911), (30, 38070), (32, 38091), (36, 38151), (40, 38184), (43, 38199), (49, 38268), (54, 38319),

Gene: Fruitloop_55 Start: 39718, Stop: 40119, Start Num: 17

Candidate Starts for Fruitloop_55:

(Start: 15 @39709 has 44 MA's), (Start: 16 @39715 has 32 MA's), (Start: 17 @39718 has 174 MA's), (20, 39742), (35, 39970), (36, 39979), (38, 39994), (39, 39997),

Gene: Fulbright_44 Start: 30810, Stop: 31193, Start Num: 15

Candidate Starts for Fulbright_44:

(6, 30675), (11, 30786), (Start: 15 @30810 has 44 MA's), (Start: 16 @30816 has 32 MA's), (25, 30909), (28, 30972), (33, 31035), (34, 31059), (44, 31110), (48, 31152), (51, 31182),

Gene: GUmbie_55 Start: 38453, Stop: 38956, Start Num: 15

Candidate Starts for GUmbie_55:

(Start: 15 @38453 has 44 MA's), (Start: 16 @38459 has 32 MA's), (Start: 17 @38462 has 174 MA's), (30, 38645), (31, 38660), (32, 38666), (36, 38726), (40, 38759), (43, 38774), (49, 38843), (54, 38894),

Gene: Galactic_56 Start: 38928, Stop: 39422, Start Num: 17

Candidate Starts for Galactic_56:

(Start: 15 @38919 has 44 MA's), (Start: 16 @38925 has 32 MA's), (Start: 17 @38928 has 174 MA's), (20, 38952), (30, 39111), (32, 39132), (36, 39192), (40, 39225), (43, 39240), (49, 39309), (54, 39360),

Gene: Gandalph_60 Start: 39284, Stop: 39778, Start Num: 17

Candidate Starts for Gandalph_60:

(Start: 17 @39284 has 174 MA's), (30, 39467), (32, 39488), (36, 39548), (40, 39581), (43, 39596), (49, 39665), (54, 39716),

Gene: Geralt_52 Start: 37262, Stop: 37756, Start Num: 17

Candidate Starts for Geralt_52:

(Start: 15 @37253 has 44 MA's), (Start: 16 @37259 has 32 MA's), (Start: 17 @37262 has 174 MA's), (30, 37445), (31, 37460), (32, 37466), (36, 37526), (43, 37574), (45, 37586), (49, 37643), (54, 37694),

Gene: Gex_45 Start: 31737, Stop: 32120, Start Num: 15

Candidate Starts for Gex_45:

(6, 31602), (11, 31713), (Start: 15 @31737 has 44 MA's), (Start: 16 @31743 has 32 MA's), (25, 31836), (28, 31899), (33, 31962), (34, 31986), (44, 32037), (48, 32079), (51, 32109),

Gene: GigiOuiOui_53 Start: 37902, Stop: 38396, Start Num: 17

Candidate Starts for GigiOuiOui_53:

(Start: 15 @37893 has 44 MA's), (Start: 16 @37899 has 32 MA's), (Start: 17 @37902 has 174 MA's), (20, 37926), (30, 38085), (32, 38106), (36, 38166), (40, 38199), (43, 38214), (49, 38283), (54, 38334),

Gene: Girafales_67 Start: 41286, Stop: 41693, Start Num: 17

Candidate Starts for Girafales_67:

(Start: 15 @41277 has 44 MA's), (Start: 16 @41283 has 32 MA's), (Start: 17 @41286 has 174 MA's), (37, 41556), (49, 41661),

Gene: Girr_55 Start: 38769, Stop: 39263, Start Num: 17

Candidate Starts for Girr_55:

(Start: 15 @38760 has 44 MA's), (Start: 16 @38766 has 32 MA's), (Start: 17 @38769 has 174 MA's), (20, 38793), (30, 38952), (32, 38973), (35, 39024), (36, 39033), (40, 39066), (43, 39081), (49, 39150), (54, 39201),

Gene: Gorge_61 Start: 40404, Stop: 40898, Start Num: 17

Candidate Starts for Gorge_61:

(Start: 15 @40395 has 44 MA's), (Start: 16 @40401 has 32 MA's), (Start: 17 @40404 has 174 MA's), (20, 40428), (30, 40587), (32, 40608), (36, 40668), (40, 40701), (43, 40716), (49, 40785), (54, 40836),

Gene: Guppsters_58 Start: 38592, Stop: 39086, Start Num: 17

Candidate Starts for Guppsters_58:

(Start: 15 @38583 has 44 MA's), (Start: 16 @38589 has 32 MA's), (Start: 17 @38592 has 174 MA's), (30, 38775), (31, 38790), (32, 38796), (36, 38856), (40, 38889), (43, 38904), (49, 38973), (54, 39024),

Gene: Hades_58 Start: 39857, Stop: 40354, Start Num: 16

Candidate Starts for Hades_58:

(Start: 15 @39851 has 44 MA's), (Start: 16 @39857 has 32 MA's), (Start: 17 @39860 has 174 MA's), (20, 39884), (30, 40043), (31, 40058), (32, 40064), (36, 40124), (40, 40157), (43, 40172), (49, 40241), (54, 40292),

Gene: Hamulus_59 Start: 39858, Stop: 40259, Start Num: 17

Candidate Starts for Hamulus_59:

(Start: 15 @39849 has 44 MA's), (Start: 16 @39855 has 32 MA's), (Start: 17 @39858 has 174 MA's), (20, 39882), (35, 40110), (36, 40119), (38, 40134), (39, 40137), (49, 40227),

Gene: Harley_60 Start: 39823, Stop: 40317, Start Num: 17

Candidate Starts for Harley_60:

(Start: 17 @39823 has 174 MA's), (30, 40006), (32, 40027), (36, 40087), (40, 40120), (43, 40135), (49, 40204), (54, 40255),

Gene: Hegedechwinu_57 Start: 38071, Stop: 38568, Start Num: 16

Candidate Starts for Hegedechwinu_57:

(Start: 15 @38065 has 44 MA's), (Start: 16 @38071 has 32 MA's), (Start: 17 @38074 has 174 MA's), (30, 38257), (31, 38272), (32, 38278), (36, 38338), (40, 38371), (43, 38386), (49, 38455), (54, 38506),

Gene: Hlubikazi_53 Start: 37080, Stop: 37574, Start Num: 17

Candidate Starts for Hlubikazi_53:

(Start: 15 @37071 has 44 MA's), (Start: 16 @37077 has 32 MA's), (Start: 17 @37080 has 174 MA's), (20, 37104), (30, 37263), (32, 37284), (36, 37344), (40, 37377), (43, 37392), (49, 37461), (54, 37512),

Gene: IbOuu_58 Start: 39439, Stop: 39933, Start Num: 17

Candidate Starts for IbOuu_58:

(Start: 15 @39430 has 44 MA's), (Start: 16 @39436 has 32 MA's), (Start: 17 @39439 has 174 MA's), (30, 39622), (31, 39637), (32, 39643), (36, 39703), (40, 39736), (43, 39751), (49, 39820), (54, 39871),

Gene: Ibhubesi_57 Start: 39052, Stop: 39546, Start Num: 17

Candidate Starts for Ibhubesi_57:

(Start: 15 @39043 has 44 MA's), (Start: 16 @39049 has 32 MA's), (Start: 17 @39052 has 174 MA's), (20, 39076), (30, 39235), (32, 39256), (36, 39316), (40, 39349), (43, 39364), (49, 39433), (54, 39484),

Gene: Inventum_52 Start: 38556, Stop: 39050, Start Num: 17

Candidate Starts for Inventum_52:

(Start: 15 @38547 has 44 MA's), (Start: 16 @38553 has 32 MA's), (Start: 17 @38556 has 174 MA's), (30, 38739), (32, 38760), (36, 38820), (43, 38868), (45, 38880), (49, 38937), (54, 38988),

Gene: IrishSherpFalk_58 Start: 40717, Stop: 41211, Start Num: 17

Candidate Starts for IrishSherpFalk_58:

(Start: 15 @40708 has 44 MA's), (Start: 16 @40714 has 32 MA's), (Start: 17 @40717 has 174 MA's), (30, 40900), (32, 40921), (36, 40981), (40, 41014), (43, 41029), (54, 41149),

Gene: Jabbawokkie_71 Start: 40782, Stop: 41276, Start Num: 17

Candidate Starts for Jabbawokkie_71:

(Start: 17 @40782 has 174 MA's), (20, 40806), (23, 40845), (30, 40965), (31, 40980), (32, 40986), (36, 41046), (40, 41079), (43, 41094), (45, 41106), (49, 41163), (54, 41214),

Gene: JalFarm20_70 Start: 42971, Stop: 43465, Start Num: 17

Candidate Starts for JalFarm20_70:

(Start: 17 @42971 has 174 MA's), (30, 43154), (32, 43175), (36, 43235), (40, 43268), (43, 43283), (49, 43352), (54, 43403),

Gene: James_61 Start: 40529, Stop: 41023, Start Num: 17

Candidate Starts for James_61:

(Start: 15 @40520 has 44 MA's), (Start: 16 @40526 has 32 MA's), (Start: 17 @40529 has 174 MA's), (30, 40712), (32, 40733), (36, 40793), (40, 40826), (43, 40841), (49, 40910), (54, 40961),

Gene: Jamie19_43 Start: 30918, Stop: 31301, Start Num: 15

Candidate Starts for Jamie19_43:

(6, 30783), (11, 30894), (Start: 15 @30918 has 44 MA's), (Start: 16 @30924 has 32 MA's), (25, 31017), (28, 31080), (33, 31143), (34, 31167), (44, 31218), (48, 31260), (51, 31290),

Gene: Jacob_57 Start: 39004, Stop: 39501, Start Num: 16

Candidate Starts for Jacob_57:

(Start: 15 @38998 has 44 MA's), (Start: 16 @39004 has 32 MA's), (Start: 17 @39007 has 174 MA's), (20, 39031), (30, 39190), (32, 39211), (36, 39271), (40, 39304), (43, 39319), (49, 39388), (54, 39439),

Gene: Jinglebell_62 Start: 41564, Stop: 42061, Start Num: 16

Candidate Starts for Jinglebell_62:

(Start: 15 @41558 has 44 MA's), (Start: 16 @41564 has 32 MA's), (Start: 17 @41567 has 174 MA's), (20, 41591), (30, 41750), (32, 41771), (36, 41831), (40, 41864), (43, 41879), (49, 41948), (54, 41999),

Gene: Job42_59 Start: 40944, Stop: 41441, Start Num: 16

Candidate Starts for Job42_59:

(Start: 15 @40938 has 44 MA's), (Start: 16 @40944 has 32 MA's), (Start: 17 @40947 has 174 MA's), (30, 41130), (32, 41151), (36, 41211), (40, 41244), (43, 41259), (49, 41328), (54, 41379),

Gene: JoeyJr_52 Start: 37462, Stop: 37956, Start Num: 17

Candidate Starts for JoeyJr_52:

(Start: 15 @37453 has 44 MA's), (Start: 16 @37459 has 32 MA's), (Start: 17 @37462 has 174 MA's), (30, 37645), (31, 37660), (32, 37666), (36, 37726), (43, 37774), (45, 37786), (49, 37843), (54, 37894),

Gene: Juice456_58 Start: 40927, Stop: 41421, Start Num: 17

Candidate Starts for Juice456_58:

(Start: 17 @40927 has 174 MA's), (30, 41110), (32, 41131), (36, 41191), (40, 41224), (43, 41239), (49, 41308), (54, 41359),

Gene: Juniper1_60 Start: 40048, Stop: 40446, Start Num: 15

Candidate Starts for Juniper1_60:

(10, 40012), (Start: 15 @40048 has 44 MA's), (23, 40120), (24, 40132), (26, 40189), (29, 40225), (30, 40237), (40, 40351), (46, 40405), (53, 40438),

Gene: Juniper1_57 Start: 38863, Stop: 39357, Start Num: 17

Candidate Starts for Juniper1_57:

(Start: 15 @38854 has 44 MA's), (Start: 16 @38860 has 32 MA's), (Start: 17 @38863 has 174 MA's), (20, 38887), (30, 39046), (32, 39067), (35, 39118), (36, 39127), (40, 39160), (43, 39175), (49, 39244),

(50, 39253), (54, 39295),

Gene: Karhdo_54 Start: 38552, Stop: 39046, Start Num: 17

Candidate Starts for Karhdo_54:

(Start: 15 @38543 has 44 MA's), (Start: 16 @38549 has 32 MA's), (Start: 17 @38552 has 174 MA's), (20, 38576), (30, 38735), (32, 38756), (36, 38816), (40, 38849), (43, 38864), (49, 38933), (54, 38984),

Gene: Kenuha5_55 Start: 37976, Stop: 38380, Start Num: 15

Candidate Starts for Kenuha5_55:

(Start: 15 @37976 has 44 MA's), (Start: 16 @37982 has 32 MA's), (Start: 17 @37985 has 174 MA's), (35, 38231), (36, 38240), (38, 38255), (39, 38258), (49, 38348),

Gene: Kersh_59 Start: 41305, Stop: 41799, Start Num: 17

Candidate Starts for Kersh_59:

(Start: 15 @41296 has 44 MA's), (Start: 16 @41302 has 32 MA's), (Start: 17 @41305 has 174 MA's), (20, 41329), (28, 41461), (30, 41488), (32, 41509), (36, 41569), (40, 41602), (43, 41617), (49, 41686), (54, 41737),

Gene: Kevin1_47 Start: 31862, Stop: 32239, Start Num: 15

Candidate Starts for Kevin1_47:

(1, 31562), (6, 31727), (Start: 15 @31862 has 44 MA's), (25, 31955), (28, 32018), (33, 32081), (34, 32105), (44, 32156),

Gene: Kimberlium_59 Start: 40626, Stop: 41120, Start Num: 17

Candidate Starts for Kimberlium_59:

(Start: 15 @40617 has 44 MA's), (Start: 16 @40623 has 32 MA's), (Start: 17 @40626 has 174 MA's), (20, 40650), (30, 40809), (32, 40830), (36, 40890), (40, 40923), (43, 40938), (49, 41007), (54, 41058),

Gene: KingMidas_56 Start: 39124, Stop: 39618, Start Num: 17

Candidate Starts for KingMidas_56:

(Start: 15 @39115 has 44 MA's), (Start: 16 @39121 has 32 MA's), (Start: 17 @39124 has 174 MA's), (30, 39307), (31, 39322), (32, 39328), (36, 39388), (43, 39436), (45, 39448), (49, 39505), (54, 39556),

Gene: Kingsley_54 Start: 37969, Stop: 38463, Start Num: 17

Candidate Starts for Kingsley_54:

(Start: 15 @37960 has 44 MA's), (Start: 16 @37966 has 32 MA's), (Start: 17 @37969 has 174 MA's), (30, 38152), (32, 38173), (36, 38233), (40, 38266), (43, 38281), (49, 38350), (54, 38401),

Gene: Koella_51 Start: 34937, Stop: 35431, Start Num: 17

Candidate Starts for Koella_51:

(Start: 15 @34928 has 44 MA's), (Start: 16 @34934 has 32 MA's), (Start: 17 @34937 has 174 MA's), (20, 34961), (30, 35120), (32, 35141), (36, 35201), (40, 35234), (43, 35249), (49, 35318), (54, 35369),

Gene: Krakatau_55 Start: 38665, Stop: 39075, Start Num: 15

Candidate Starts for Krakatau_55:

(Start: 15 @38665 has 44 MA's), (Start: 16 @38671 has 32 MA's), (Start: 17 @38674 has 174 MA's), (20, 38698), (35, 38926), (36, 38935), (38, 38950), (39, 38953), (49, 39043),

Gene: KristaRAM_60 Start: 41509, Stop: 42003, Start Num: 17

Candidate Starts for KristaRAM_60:

(Start: 15 @41500 has 44 MA's), (Start: 16 @41506 has 32 MA's), (Start: 17 @41509 has 174 MA's), (20, 41533), (30, 41692), (32, 41713), (36, 41773), (40, 41806), (43, 41821), (49, 41890), (54, 41941),

Gene: LastJedi_51 Start: 36257, Stop: 36751, Start Num: 17

Candidate Starts for LastJedi_51:

(Start: 15 @36248 has 44 MA's), (Start: 16 @36254 has 32 MA's), (Start: 17 @36257 has 174 MA's), (20, 36281), (30, 36440), (32, 36461), (36, 36521), (40, 36554), (43, 36569), (49, 36638), (54, 36689),

Gene: Latretium_59 Start: 39583, Stop: 40077, Start Num: 17

Candidate Starts for Latretium_59:

(Start: 15 @39574 has 44 MA's), (Start: 16 @39580 has 32 MA's), (Start: 17 @39583 has 174 MA's), (20, 39607), (30, 39766), (32, 39787), (36, 39847), (40, 39880), (43, 39895), (49, 39964), (54, 40015),

Gene: Leozinho_56 Start: 38342, Stop: 38836, Start Num: 17

Candidate Starts for Leozinho_56:

(Start: 15 @38333 has 44 MA's), (Start: 16 @38339 has 32 MA's), (Start: 17 @38342 has 174 MA's), (30, 38525), (32, 38546), (36, 38606), (40, 38639), (43, 38654), (49, 38723), (54, 38774),

Gene: Leperchaun_49 Start: 36692, Stop: 37186, Start Num: 17

Candidate Starts for Leperchaun_49:

(Start: 15 @36683 has 44 MA's), (Start: 16 @36689 has 32 MA's), (Start: 17 @36692 has 174 MA's), (30, 36875), (31, 36890), (32, 36896), (36, 36956), (43, 37004), (45, 37016), (49, 37073), (54, 37124),

Gene: LilMoolah_55 Start: 38452, Stop: 38946, Start Num: 17

Candidate Starts for LilMoolah_55:

(Start: 15 @38443 has 44 MA's), (Start: 16 @38449 has 32 MA's), (Start: 17 @38452 has 174 MA's), (30, 38635), (32, 38656), (36, 38716), (40, 38749), (43, 38764), (49, 38833), (54, 38884),

Gene: LilSpotty_59 Start: 37743, Stop: 38096, Start Num: 19

Candidate Starts for LilSpotty_59:

(11, 37692), (12, 37698), (Start: 19 @37743 has 6 MA's), (23, 37785), (27, 37854), (33, 37935), (34, 37959), (45, 38016), (52, 38085),

Gene: LittleShirley_56 Start: 39496, Stop: 39990, Start Num: 17

Candidate Starts for LittleShirley_56:

(Start: 15 @39487 has 44 MA's), (Start: 16 @39493 has 32 MA's), (Start: 17 @39496 has 174 MA's), (30, 39679), (32, 39700), (36, 39760), (40, 39793), (43, 39808), (49, 39877), (54, 39928),

Gene: Lizziana_63 Start: 40010, Stop: 40504, Start Num: 17

Candidate Starts for Lizziana_63:

(Start: 15 @40001 has 44 MA's), (Start: 16 @40007 has 32 MA's), (Start: 17 @40010 has 174 MA's), (20, 40034), (30, 40193), (32, 40214), (36, 40274), (40, 40307), (43, 40322), (49, 40391), (54, 40442),

Gene: Llama_62 Start: 41421, Stop: 41915, Start Num: 17

Candidate Starts for Llama_62:

(Start: 15 @41412 has 44 MA's), (Start: 16 @41418 has 32 MA's), (Start: 17 @41421 has 174 MA's), (20, 41445), (30, 41604), (32, 41625), (36, 41685), (40, 41718), (43, 41733), (49, 41802), (54, 41853),

Gene: Llij_53 Start: 37860, Stop: 38354, Start Num: 17

Candidate Starts for Llij_53:

(Start: 15 @37851 has 44 MA's), (Start: 16 @37857 has 32 MA's), (Start: 17 @37860 has 174 MA's), (30, 38043), (32, 38064), (36, 38124), (40, 38157), (43, 38172), (49, 38241), (54, 38292),

Gene: Lorde_57 Start: 37147, Stop: 37641, Start Num: 17

Candidate Starts for Lorde_57:

(Start: 15 @37138 has 44 MA's), (Start: 16 @37144 has 32 MA's), (Start: 17 @37147 has 174 MA's), (30, 37330), (32, 37351), (36, 37411), (40, 37444), (43, 37459), (49, 37528), (54, 37579),

Gene: LunaBlu_59 Start: 39587, Stop: 40081, Start Num: 17

Candidate Starts for LunaBlu_59:

(Start: 15 @39578 has 44 MA's), (Start: 16 @39584 has 32 MA's), (Start: 17 @39587 has 174 MA's), (20, 39611), (30, 39770), (32, 39791), (36, 39851), (40, 39884), (43, 39899), (49, 39968), (54, 40019),

Gene: LunaStella_55 Start: 38222, Stop: 38716, Start Num: 17

Candidate Starts for LunaStella_55:

(Start: 17 @38222 has 174 MA's), (30, 38405), (32, 38426), (36, 38486), (40, 38519), (43, 38534), (49, 38603), (54, 38654),

Gene: MadMen_55 Start: 38784, Stop: 39278, Start Num: 17

Candidate Starts for MadMen_55:

(Start: 15 @38775 has 44 MA's), (Start: 16 @38781 has 32 MA's), (Start: 17 @38784 has 174 MA's), (20, 38808), (30, 38967), (32, 38988), (36, 39048), (40, 39081), (43, 39096), (49, 39165), (54, 39216),

Gene: Madiba_55 Start: 38033, Stop: 38527, Start Num: 17

Candidate Starts for Madiba_55:

(Start: 15 @38024 has 44 MA's), (Start: 16 @38030 has 32 MA's), (Start: 17 @38033 has 174 MA's), (20, 38057), (30, 38216), (32, 38237), (36, 38297), (40, 38330), (43, 38345), (49, 38414), (54, 38465),

Gene: Magsby_45 Start: 31738, Stop: 32121, Start Num: 15

Candidate Starts for Magsby_45:

(6, 31603), (11, 31714), (Start: 15 @31738 has 44 MA's), (Start: 16 @31744 has 32 MA's), (25, 31837), (28, 31900), (33, 31963), (34, 31987), (44, 32038), (48, 32080), (51, 32110),

Gene: Mahavrat_55 Start: 38412, Stop: 38906, Start Num: 17

Candidate Starts for Mahavrat_55:

(Start: 15 @38403 has 44 MA's), (Start: 16 @38409 has 32 MA's), (Start: 17 @38412 has 174 MA's), (30, 38595), (32, 38616), (36, 38676), (40, 38709), (43, 38724), (49, 38793), (54, 38844),

Gene: Mandlovu_53 Start: 37019, Stop: 37516, Start Num: 16

Candidate Starts for Mandlovu_53:

(Start: 15 @37013 has 44 MA's), (Start: 16 @37019 has 32 MA's), (Start: 17 @37022 has 174 MA's), (20, 37046), (30, 37205), (32, 37226), (36, 37286), (40, 37319), (43, 37334), (49, 37403), (54, 37454),

Gene: Mantra_53 Start: 37905, Stop: 38399, Start Num: 17

Candidate Starts for Mantra_53:

(Start: 15 @37896 has 44 MA's), (Start: 16 @37902 has 32 MA's), (Start: 17 @37905 has 174 MA's), (20, 37929), (30, 38088), (32, 38109), (36, 38169), (40, 38202), (43, 38217), (49, 38286), (54, 38337),

Gene: Maravista_58 Start: 40459, Stop: 40953, Start Num: 17

Candidate Starts for Maravista_58:

(Start: 15 @40450 has 44 MA's), (Start: 16 @40456 has 32 MA's), (Start: 17 @40459 has 174 MA's), (30, 40642), (32, 40663), (36, 40723), (40, 40756), (43, 40771), (49, 40840), (54, 40891),

Gene: Marker_59 Start: 39127, Stop: 39621, Start Num: 17

Candidate Starts for Marker_59:

(Start: 15 @39118 has 44 MA's), (Start: 16 @39124 has 32 MA's), (Start: 17 @39127 has 174 MA's), (28, 39283), (30, 39310), (32, 39331), (36, 39391), (40, 39424), (43, 39439), (49, 39508), (54, 39559),

Gene: Martik_57 Start: 38963, Stop: 39457, Start Num: 17

Candidate Starts for Martik_57:

(Start: 15 @38954 has 44 MA's), (Start: 16 @38960 has 32 MA's), (Start: 17 @38963 has 174 MA's), (20, 38987), (30, 39146), (32, 39167), (36, 39227), (40, 39260), (43, 39275), (49, 39344), (54, 39395),

Gene: Mattes_61 Start: 40529, Stop: 41023, Start Num: 17

Candidate Starts for Mattes_61:

(Start: 15 @40520 has 44 MA's), (Start: 16 @40526 has 32 MA's), (Start: 17 @40529 has 174 MA's), (20, 40553), (30, 40712), (32, 40733), (36, 40793), (40, 40826), (43, 40841), (49, 40910), (54, 40961),

Gene: Melissauren88_56 Start: 38890, Stop: 39300, Start Num: 15

Candidate Starts for Melissauren88_56:

(Start: 15 @38890 has 44 MA's), (Start: 16 @38896 has 32 MA's), (Start: 17 @38899 has 174 MA's), (20, 38923), (35, 39151), (36, 39160), (38, 39175), (39, 39178), (49, 39268),

Gene: Melville_49 Start: 31722, Stop: 32105, Start Num: 15

Candidate Starts for Melville_49:

(6, 31587), (11, 31698), (Start: 15 @31722 has 44 MA's), (Start: 16 @31728 has 32 MA's), (25, 31821), (28, 31884), (33, 31947), (34, 31971), (44, 32022), (48, 32064), (51, 32094),

Gene: MichelleMyBell_45 Start: 30673, Stop: 31050, Start Num: 15

Candidate Starts for MichelleMyBell_45:

(1, 30373), (6, 30538), (Start: 15 @30673 has 44 MA's), (25, 30766), (28, 30829), (33, 30892), (34, 30916), (44, 30967),

Gene: MilanaBonita_48 Start: 35492, Stop: 35893, Start Num: 17

Candidate Starts for MilanaBonita_48:

(Start: 15 @35483 has 44 MA's), (Start: 16 @35489 has 32 MA's), (Start: 17 @35492 has 174 MA's), (20, 35516), (35, 35744), (36, 35753), (38, 35768), (39, 35771), (49, 35861),

Gene: MilleniumForce_61 Start: 41581, Stop: 41988, Start Num: 17

Candidate Starts for MilleniumForce_61:

(Start: 15 @41572 has 44 MA's), (Start: 16 @41578 has 32 MA's), (Start: 17 @41581 has 174 MA's), (37, 41851), (49, 41956),

Gene: MinionDave_56 Start: 39310, Stop: 39804, Start Num: 17

Candidate Starts for MinionDave_56:

(Start: 15 @39301 has 44 MA's), (Start: 16 @39307 has 32 MA's), (Start: 17 @39310 has 174 MA's), (30, 39493), (31, 39508), (32, 39514), (36, 39574), (40, 39607), (43, 39622), (49, 39691), (54, 39742),

Gene: Minnie_61 Start: 40883, Stop: 41290, Start Num: 17

Candidate Starts for Minnie_61:

(Start: 15 @40874 has 44 MA's), (Start: 16 @40880 has 32 MA's), (Start: 17 @40883 has 174 MA's), (37, 41153), (49, 41258),

Gene: Misha28_57 Start: 38434, Stop: 38787, Start Num: 19

Candidate Starts for Misha28_57:

(11, 38383), (12, 38389), (Start: 19 @38434 has 6 MA's), (23, 38476), (27, 38545), (33, 38626), (34, 38650), (45, 38707), (52, 38776),

Gene: MisterCuddles_55 Start: 38769, Stop: 39263, Start Num: 17

Candidate Starts for MisterCuddles_55:

(Start: 15 @38760 has 44 MA's), (Start: 16 @38766 has 32 MA's), (Start: 17 @38769 has 174 MA's), (20, 38793), (30, 38952), (32, 38973), (35, 39024), (36, 39033), (40, 39066), (43, 39081), (49, 39150), (54, 39201),

Gene: Modragons_61 Start: 41408, Stop: 41905, Start Num: 16

Candidate Starts for Modragons_61:

(Start: 15 @41402 has 44 MA's), (Start: 16 @41408 has 32 MA's), (Start: 17 @41411 has 174 MA's), (20, 41435), (30, 41594), (32, 41615), (36, 41675), (40, 41708), (43, 41723), (49, 41792), (54, 41843),

Gene: MooMoo_58 Start: 39220, Stop: 39621, Start Num: 16

Candidate Starts for MooMoo_58:

(9, 39175), (13, 39199), (Start: 16 @39220 has 32 MA's), (20, 39247), (21, 39250), (27, 39352), (32, 39421), (47, 39568),

Gene: Moonbeam_56 Start: 39040, Stop: 39444, Start Num: 16

Candidate Starts for Moonbeam_56:

(Start: 15 @39034 has 44 MA's), (Start: 16 @39040 has 32 MA's), (Start: 17 @39043 has 174 MA's), (20, 39067), (35, 39295), (36, 39304), (38, 39319), (39, 39322), (49, 39412),

Gene: Mova_58 Start: 38537, Stop: 39031, Start Num: 17

Candidate Starts for Mova_58:

(Start: 15 @38528 has 44 MA's), (Start: 16 @38534 has 32 MA's), (Start: 17 @38537 has 174 MA's), (30, 38720), (32, 38741), (36, 38801), (40, 38834), (43, 38849), (49, 38918), (54, 38969),

Gene: Mozy_66 Start: 41544, Stop: 42038, Start Num: 17

Candidate Starts for Mozy_66:

(Start: 15 @41535 has 44 MA's), (Start: 16 @41541 has 32 MA's), (Start: 17 @41544 has 174 MA's), (30, 41727), (31, 41742), (32, 41748), (36, 41808), (43, 41856), (45, 41868), (49, 41925), (50, 41934), (54, 41976),

Gene: Ms6_53 Start: 34621, Stop: 35031, Start Num: 15

Candidate Starts for Ms6_53:

(Start: 15 @34621 has 44 MA's), (Start: 16 @34627 has 32 MA's), (Start: 17 @34630 has 174 MA's), (20, 34654), (35, 34882), (36, 34891), (38, 34906), (39, 34909), (49, 34999),

Gene: MulchSalad_59 Start: 37668, Stop: 38021, Start Num: 19

Candidate Starts for MulchSalad_59:

(Start: 19 @37668 has 6 MA's), (23, 37710), (27, 37779), (33, 37860), (34, 37884), (45, 37941), (52, 38010),

Gene: Mutaforma13_61 Start: 41867, Stop: 42361, Start Num: 17

Candidate Starts for Mutaforma13_61:

(Start: 15 @41858 has 44 MA's), (Start: 16 @41864 has 32 MA's), (Start: 17 @41867 has 174 MA's), (30, 42050), (32, 42071), (36, 42131), (40, 42164), (43, 42179), (49, 42248), (54, 42299),

Gene: Nenae_49 Start: 32629, Stop: 33009, Start Num: 15

Candidate Starts for Nenae_49:

(2, 32347), (3, 32350), (6, 32494), (Start: 15 @32629 has 44 MA's), (25, 32725), (28, 32788), (33, 32851), (34, 32875), (44, 32926), (48, 32968), (51, 32998),

Gene: Nimbo_51 Start: 37265, Stop: 37759, Start Num: 17

Candidate Starts for Nimbo_51:

(Start: 15 @37256 has 44 MA's), (Start: 16 @37262 has 32 MA's), (Start: 17 @37265 has 174 MA's), (30, 37448), (31, 37463), (32, 37469), (36, 37529), (43, 37577), (45, 37589), (49, 37646), (54, 37697),

Gene: Nitzel_55 Start: 38315, Stop: 38812, Start Num: 16

Candidate Starts for Nitzel_55:

(Start: 15 @38309 has 44 MA's), (Start: 16 @38315 has 32 MA's), (Start: 17 @38318 has 174 MA's), (22, 38351), (30, 38501), (32, 38522), (36, 38582), (40, 38615), (43, 38630), (49, 38699), (54, 38750),

Gene: Nivrat_53 Start: 38325, Stop: 38819, Start Num: 17

Candidate Starts for Nivrat_53:

(Start: 15 @38316 has 44 MA's), (Start: 16 @38322 has 32 MA's), (Start: 17 @38325 has 174 MA's), (30, 38508), (32, 38529), (36, 38589), (40, 38622), (43, 38637), (49, 38706), (54, 38757),

Gene: NormanBulbieJr_57 Start: 38947, Stop: 39444, Start Num: 16

Candidate Starts for NormanBulbieJr_57:

(Start: 15 @38941 has 44 MA's), (Start: 16 @38947 has 32 MA's), (Start: 17 @38950 has 174 MA's), (20, 38974), (30, 39133), (32, 39154), (36, 39214), (40, 39247), (43, 39262), (49, 39331), (54, 39382),

Gene: Ochi17_60 Start: 41009, Stop: 41512, Start Num: 15

Candidate Starts for Ochi17_60:

(Start: 15 @41009 has 44 MA's), (Start: 16 @41015 has 32 MA's), (Start: 17 @41018 has 174 MA's), (20, 41042), (30, 41201), (32, 41222), (36, 41282), (40, 41315), (43, 41330), (49, 41399), (54, 41450),

Gene: OfUltron_62 Start: 41567, Stop: 42061, Start Num: 17

Candidate Starts for OfUltron_62:

(Start: 15 @41558 has 44 MA's), (Start: 16 @41564 has 32 MA's), (Start: 17 @41567 has 174 MA's), (20, 41591), (30, 41750), (32, 41771), (36, 41831), (40, 41864), (43, 41879), (49, 41948), (54, 41999),

Gene: Ogopogo_63 Start: 39889, Stop: 40284, Start Num: 17

Candidate Starts for Ogopogo_63:

(Start: 15 @39880 has 44 MA's), (Start: 16 @39886 has 32 MA's), (Start: 17 @39889 has 174 MA's), (35, 40135), (36, 40144), (38, 40159), (39, 40162), (49, 40252),

Gene: Oksu_61 Start: 41830, Stop: 42324, Start Num: 17

Candidate Starts for Oksu_61:

(Start: 15 @41821 has 44 MA's), (Start: 16 @41827 has 32 MA's), (Start: 17 @41830 has 174 MA's), (20, 41854), (30, 42013), (32, 42034), (36, 42094), (40, 42127), (43, 42142), (49, 42211), (54, 42262),

Gene: OldBen_54 Start: 38875, Stop: 39369, Start Num: 17

Candidate Starts for OldBen_54:

(Start: 15 @38866 has 44 MA's), (Start: 16 @38872 has 32 MA's), (Start: 17 @38875 has 174 MA's), (30, 39058), (32, 39079), (36, 39139), (40, 39172), (43, 39187), (49, 39256), (54, 39307),

Gene: OlympiaSaint_59 Start: 39471, Stop: 39965, Start Num: 17

Candidate Starts for OlympiaSaint_59:

(Start: 15 @39462 has 44 MA's), (Start: 16 @39468 has 32 MA's), (Start: 17 @39471 has 174 MA's), (20, 39495), (30, 39654), (32, 39675), (36, 39735), (40, 39768), (43, 39783), (49, 39852), (54, 39903),

Gene: Ovechkin_56 Start: 39471, Stop: 39965, Start Num: 17

Candidate Starts for Ovechkin_56:

(Start: 15 @39462 has 44 MA's), (Start: 16 @39468 has 32 MA's), (Start: 17 @39471 has 174 MA's), (30, 39654), (32, 39675), (36, 39735), (40, 39768), (43, 39783), (49, 39852), (54, 39903),

Gene: OwlsT2W_57 Start: 39193, Stop: 39687, Start Num: 17

Candidate Starts for OwlsT2W_57:

(Start: 15 @39184 has 44 MA's), (Start: 16 @39190 has 32 MA's), (Start: 17 @39193 has 174 MA's), (20, 39217), (30, 39376), (31, 39391), (32, 39397), (36, 39457), (43, 39505), (45, 39517), (49, 39574), (50, 39583), (54, 39625),

Gene: PHappiness_52 Start: 37238, Stop: 37732, Start Num: 17

Candidate Starts for PHappiness_52:

(Start: 15 @37229 has 44 MA's), (Start: 16 @37235 has 32 MA's), (Start: 17 @37238 has 174 MA's), (30, 37421), (31, 37436), (32, 37442), (36, 37502), (43, 37550), (45, 37562), (49, 37619), (54, 37670),

Gene: PMC_54 Start: 39568, Stop: 40071, Start Num: 15

Candidate Starts for PMC_54:

(Start: 15 @39568 has 44 MA's), (Start: 16 @39574 has 32 MA's), (Start: 17 @39577 has 174 MA's), (30, 39760), (32, 39781), (36, 39841), (40, 39874), (43, 39889), (50, 39967), (54, 40009),

Gene: Pacc40_51 Start: 37312, Stop: 37806, Start Num: 17

Candidate Starts for Pacc40_51:

(Start: 15 @37303 has 44 MA's), (Start: 16 @37309 has 32 MA's), (Start: 17 @37312 has 174 MA's), (30, 37495), (31, 37510), (32, 37516), (36, 37576), (43, 37624), (45, 37636), (49, 37693), (54, 37744),

Gene: Panchino_42 Start: 32264, Stop: 32647, Start Num: 15

Candidate Starts for Panchino_42:

(6, 32129), (11, 32240), (Start: 15 @32264 has 44 MA's), (Start: 16 @32270 has 32 MA's), (25, 32363), (28, 32426), (33, 32489), (34, 32513), (44, 32564), (48, 32606), (51, 32636),

Gene: Parmesanjohn_45 Start: 31741, Stop: 32124, Start Num: 15

Candidate Starts for Parmesanjohn_45:

(6, 31606), (11, 31717), (Start: 15 @31741 has 44 MA's), (Start: 16 @31747 has 32 MA's), (25, 31840), (28, 31903), (33, 31966), (34, 31990), (44, 32041), (48, 32083), (51, 32113),

Gene: Phalconet_56 Start: 38170, Stop: 38571, Start Num: 17

Candidate Starts for Phalconet_56:

(Start: 15 @38161 has 44 MA's), (Start: 16 @38167 has 32 MA's), (Start: 17 @38170 has 174 MA's), (20, 38194), (35, 38422), (36, 38431), (38, 38446), (39, 38449), (49, 38539),

Gene: PhancyPhin_49 Start: 32623, Stop: 33003, Start Num: 15

Candidate Starts for PhancyPhin_49:

(2, 32341), (3, 32344), (6, 32488), (Start: 15 @32623 has 44 MA's), (25, 32719), (28, 32782), (33, 32845), (34, 32869), (44, 32920), (48, 32962), (51, 32992),

Gene: Phanphagia_55 Start: 39761, Stop: 40162, Start Num: 17

Candidate Starts for Phanphagia_55:

(Start: 15 @39752 has 44 MA's), (Start: 16 @39758 has 32 MA's), (Start: 17 @39761 has 174 MA's), (20, 39785), (35, 40013), (36, 40022), (38, 40037), (39, 40040), (49, 40130),

Gene: Phasih_55 Start: 39382, Stop: 39876, Start Num: 17

Candidate Starts for Phasih_55:

(Start: 17 @39382 has 174 MA's), (30, 39565), (32, 39586), (36, 39646), (40, 39679), (43, 39694), (49, 39763), (54, 39814),

Gene: Phatniss_55 Start: 38955, Stop: 39449, Start Num: 17

Candidate Starts for Phatniss_55:

(Start: 15 @38946 has 44 MA's), (Start: 16 @38952 has 32 MA's), (Start: 17 @38955 has 174 MA's), (30, 39138), (32, 39159), (36, 39219), (40, 39252), (43, 39267), (49, 39336), (54, 39387),

Gene: PhesterPhotato_59 Start: 38987, Stop: 39388, Start Num: 17

Candidate Starts for PhesterPhotato_59:

(Start: 15 @38978 has 44 MA's), (Start: 16 @38984 has 32 MA's), (Start: 17 @38987 has 174 MA's), (20, 39011), (35, 39239), (36, 39248), (38, 39263), (39, 39266), (49, 39356),

Gene: Philus_60 Start: 40115, Stop: 40609, Start Num: 17

Candidate Starts for Philus_60:

(Start: 15 @40106 has 44 MA's), (Start: 16 @40112 has 32 MA's), (Start: 17 @40115 has 174 MA's), (30, 40298), (32, 40319), (36, 40379), (40, 40412), (43, 40427), (49, 40496), (54, 40547),

Gene: Phloss_43 Start: 31148, Stop: 31531, Start Num: 15

Candidate Starts for Phloss_43:

(6, 31013), (11, 31124), (Start: 15 @31148 has 44 MA's), (Start: 16 @31154 has 32 MA's), (25, 31247), (28, 31310), (33, 31373), (34, 31397), (44, 31448), (48, 31490), (51, 31520),

Gene: Piper2020_60 Start: 39329, Stop: 39682, Start Num: 19

Candidate Starts for Piper2020_60:

(Start: 19 @39329 has 6 MA's), (23, 39371), (27, 39440), (33, 39521), (34, 39545), (45, 39602), (52, 39671),

Gene: Pippy_55 Start: 37821, Stop: 38315, Start Num: 17

Candidate Starts for Pippy_55:

(Start: 15 @37812 has 44 MA's), (Start: 16 @37818 has 32 MA's), (Start: 17 @37821 has 174 MA's), (20, 37845), (30, 38004), (32, 38025), (36, 38085), (40, 38118), (43, 38133), (49, 38202), (54, 38253),

Gene: Pipsqueaks_45 Start: 31718, Stop: 32101, Start Num: 15

Candidate Starts for Pipsqueaks_45:

(6, 31583), (11, 31694), (Start: 15 @31718 has 44 MA's), (Start: 16 @31724 has 32 MA's), (25, 31817), (28, 31880), (33, 31943), (34, 31967), (44, 32018), (48, 32060), (51, 32090),

Gene: Plumbus_59 Start: 39279, Stop: 39776, Start Num: 16

Candidate Starts for Plumbus_59:

(Start: 15 @39273 has 44 MA's), (Start: 16 @39279 has 32 MA's), (Start: 17 @39282 has 174 MA's), (30, 39465), (32, 39486), (36, 39546), (40, 39579), (43, 39594), (49, 39663), (54, 39714),

Gene: Poenanya_57 Start: 40136, Stop: 40633, Start Num: 16

Candidate Starts for Poenanya_57:

(Start: 15 @40130 has 44 MA's), (Start: 16 @40136 has 32 MA's), (Start: 17 @40139 has 174 MA's), (30, 40322), (31, 40337), (32, 40343), (36, 40403), (43, 40451), (45, 40463), (49, 40520), (54, 40571),

Gene: Polka14_55 Start: 38335, Stop: 38829, Start Num: 17

Candidate Starts for Polka14_55:

(Start: 15 @38326 has 44 MA's), (Start: 16 @38332 has 32 MA's), (Start: 17 @38335 has 174 MA's), (30, 38518), (31, 38533), (32, 38539), (36, 38599), (43, 38647), (45, 38659), (49, 38716), (54, 38767),

Gene: Pollywog_58 Start: 39783, Stop: 40280, Start Num: 16

Candidate Starts for Pollywog_58:

(Start: 15 @39777 has 44 MA's), (Start: 16 @39783 has 32 MA's), (Start: 17 @39786 has 174 MA's), (20, 39810), (30, 39969), (32, 39990), (36, 40050), (40, 40083), (43, 40098), (49, 40167), (54, 40218),

Gene: PopTart_52 Start: 37792, Stop: 38196, Start Num: 16

Candidate Starts for PopTart_52:

(Start: 15 @37786 has 44 MA's), (Start: 16 @37792 has 32 MA's), (Start: 17 @37795 has 174 MA's), (20, 37819), (35, 38047), (36, 38056), (38, 38071), (39, 38074), (49, 38164),

Gene: Priscilla_57 Start: 39049, Stop: 39543, Start Num: 17

Candidate Starts for Priscilla_57:

(Start: 15 @39040 has 44 MA's), (Start: 16 @39046 has 32 MA's), (Start: 17 @39049 has 174 MA's), (20, 39073), (30, 39232), (32, 39253), (36, 39313), (40, 39346), (43, 39361), (49, 39430), (54, 39481),

Gene: Purgamenstris_49 Start: 32627, Stop: 33007, Start Num: 15

Candidate Starts for Purgamenstris_49:

(2, 32345), (3, 32348), (6, 32492), (Start: 15 @32627 has 44 MA's), (25, 32723), (28, 32786), (33, 32849), (34, 32873), (44, 32924), (48, 32966), (51, 32996),

Gene: QueenHazel_40 Start: 31055, Stop: 31426, Start Num: 16

Candidate Starts for QueenHazel_40:

(4, 30872), (5, 30905), (7, 31001), (8, 31007), (9, 31013), (14, 31040), (Start: 16 @31055 has 32 MA's), (18, 31076), (20, 31082), (27, 31193), (28, 31211), (34, 31298), (41, 31331), (42, 31340), (43, 31343), (52, 31415),

Gene: QuickMath_58 Start: 40849, Stop: 41343, Start Num: 17

Candidate Starts for QuickMath_58:

(Start: 15 @40840 has 44 MA's), (Start: 16 @40846 has 32 MA's), (Start: 17 @40849 has 174 MA's), (20, 40873), (30, 41032), (32, 41053), (36, 41113), (40, 41146), (43, 41161), (49, 41230), (54, 41281),

Gene: Quico_66 Start: 41315, Stop: 41722, Start Num: 17

Candidate Starts for Quico_66:

(Start: 15 @41306 has 44 MA's), (Start: 16 @41312 has 32 MA's), (Start: 17 @41315 has 174 MA's), (37, 41585), (49, 41690),

Gene: Radiance_56 Start: 39074, Stop: 39568, Start Num: 17

Candidate Starts for Radiance_56:

(Start: 15 @39065 has 44 MA's), (Start: 16 @39071 has 32 MA's), (Start: 17 @39074 has 174 MA's), (20, 39098), (30, 39257), (32, 39278), (36, 39338), (40, 39371), (43, 39386), (49, 39455), (54, 39506),

Gene: Ramsey_57 Start: 39737, Stop: 40144, Start Num: 17

Candidate Starts for Ramsey_57:

(Start: 15 @39728 has 44 MA's), (Start: 16 @39734 has 32 MA's), (Start: 17 @39737 has 174 MA's), (37, 40007), (49, 40112),

Gene: Raymond7_43 Start: 32415, Stop: 32795, Start Num: 15

Candidate Starts for Raymond7_43:

(2, 32133), (3, 32136), (6, 32280), (Start: 15 @32415 has 44 MA's), (25, 32511), (28, 32574), (33, 32637), (34, 32661), (44, 32712), (48, 32754), (51, 32784),

Gene: Rebel_41 Start: 28757, Stop: 29137, Start Num: 15

Candidate Starts for Rebel_41:

(2, 28475), (3, 28478), (6, 28622), (Start: 15 @28757 has 44 MA's), (25, 28853), (28, 28916), (33, 28979), (34, 29003), (44, 29054), (48, 29096), (51, 29126),

Gene: RedBird_55 Start: 38370, Stop: 38864, Start Num: 17

Candidate Starts for RedBird_55:

(Start: 15 @38361 has 44 MA's), (Start: 16 @38367 has 32 MA's), (Start: 17 @38370 has 174 MA's), (30, 38553), (31, 38568), (32, 38574), (36, 38634), (43, 38682), (45, 38694), (49, 38751), (54, 38802),

Gene: Redi_49 Start: 32626, Stop: 33006, Start Num: 15

Candidate Starts for Redi_49:

(2, 32344), (3, 32347), (6, 32491), (Start: 15 @32626 has 44 MA's), (25, 32722), (28, 32785), (33, 32848), (34, 32872), (44, 32923), (48, 32965), (51, 32995),

Gene: Renaud18_62 Start: 39627, Stop: 40121, Start Num: 17

Candidate Starts for Renaud18_62:

(Start: 15 @39618 has 44 MA's), (Start: 16 @39624 has 32 MA's), (Start: 17 @39627 has 174 MA's), (30, 39810), (32, 39831), (36, 39891), (40, 39924), (43, 39939), (49, 40008), (54, 40059),

Gene: Rialto_63 Start: 41853, Stop: 42347, Start Num: 17

Candidate Starts for Rialto_63:

(Start: 15 @41844 has 44 MA's), (Start: 16 @41850 has 32 MA's), (Start: 17 @41853 has 174 MA's), (20, 41877), (30, 42036), (32, 42057), (36, 42117), (40, 42150), (43, 42165), (49, 42234), (54, 42285),

Gene: Rita_58 Start: 37680, Stop: 38174, Start Num: 17

Candidate Starts for Rita_58:

(Start: 15 @37671 has 44 MA's), (Start: 16 @37677 has 32 MA's), (Start: 17 @37680 has 174 MA's), (20, 37704), (30, 37863), (32, 37884), (36, 37944), (40, 37977), (43, 37992), (49, 38061), (54, 38112),

Gene: RitaG_52 Start: 37583, Stop: 38077, Start Num: 17

Candidate Starts for RitaG_52:

(Start: 15 @37574 has 44 MA's), (Start: 16 @37580 has 32 MA's), (Start: 17 @37583 has 174 MA's), (30, 37766), (31, 37781), (32, 37787), (36, 37847), (43, 37895), (45, 37907), (49, 37964), (54, 38015),

Gene: Rockne_58 Start: 39586, Stop: 40083, Start Num: 16

Candidate Starts for Rockne_58:

(Start: 15 @39580 has 44 MA's), (Start: 16 @39586 has 32 MA's), (Start: 17 @39589 has 174 MA's), (30, 39772), (32, 39793), (36, 39853), (40, 39886), (43, 39901), (50, 39979), (54, 40021),

Gene: RockyHorror_58 Start: 38638, Stop: 39132, Start Num: 17

Candidate Starts for RockyHorror_58:

(Start: 15 @38629 has 44 MA's), (Start: 16 @38635 has 32 MA's), (Start: 17 @38638 has 174 MA's), (28, 38794), (30, 38821), (32, 38842), (36, 38902), (40, 38935), (43, 38950), (49, 39019), (54, 39070),

Gene: Royals2015_60 Start: 38991, Stop: 39485, Start Num: 17

Candidate Starts for Royals2015_60:

(Start: 15 @38982 has 44 MA's), (Start: 16 @38988 has 32 MA's), (Start: 17 @38991 has 174 MA's), (30, 39174), (32, 39195), (36, 39255), (40, 39288), (43, 39303), (49, 39372), (54, 39423),

Gene: Rubeelu_48 Start: 32426, Stop: 32803, Start Num: 15

Candidate Starts for Rubeelu_48:

(1, 32126), (6, 32291), (Start: 15 @32426 has 44 MA's), (25, 32519), (28, 32582), (33, 32645), (34, 32669), (44, 32720),

Gene: Ruby_53 Start: 38770, Stop: 39264, Start Num: 17

Candidate Starts for Ruby_53:

(Start: 15 @38761 has 44 MA's), (Start: 16 @38767 has 32 MA's), (Start: 17 @38770 has 174 MA's), (20, 38794), (30, 38953), (32, 38974), (35, 39025), (36, 39034), (40, 39067), (43, 39082), (49, 39151), (54, 39202),

Gene: SG4_54 Start: 38464, Stop: 38961, Start Num: 16

Candidate Starts for SG4_54:

(Start: 15 @38458 has 44 MA's), (Start: 16 @38464 has 32 MA's), (Start: 17 @38467 has 174 MA's), (30, 38650), (31, 38665), (32, 38671), (36, 38731), (40, 38764), (43, 38779), (49, 38848), (54, 38899),

Gene: Saal_59 Start: 40223, Stop: 40717, Start Num: 17

Candidate Starts for Saal_59:

(Start: 15 @40214 has 44 MA's), (Start: 16 @40220 has 32 MA's), (Start: 17 @40223 has 174 MA's), (20, 40247), (30, 40406), (32, 40427), (36, 40487), (40, 40520), (43, 40535), (49, 40604), (54, 40655),

Gene: Sabbb_61 Start: 39911, Stop: 40405, Start Num: 17

Candidate Starts for Sabbb_61:

(Start: 15 @39902 has 44 MA's), (Start: 16 @39908 has 32 MA's), (Start: 17 @39911 has 174 MA's), (30, 40094), (32, 40115), (36, 40175), (40, 40208), (43, 40223), (49, 40292), (54, 40343),

Gene: Sandalphon_59 Start: 39861, Stop: 40268, Start Num: 17

Candidate Starts for Sandalphon_59:

(Start: 15 @39852 has 44 MA's), (Start: 16 @39858 has 32 MA's), (Start: 17 @39861 has 174 MA's), (37, 40131), (49, 40236),

Gene: Sarma624_55 Start: 35161, Stop: 35655, Start Num: 17

Candidate Starts for Sarma624_55:

(Start: 15 @35152 has 44 MA's), (Start: 16 @35158 has 32 MA's), (Start: 17 @35161 has 174 MA's), (30, 35344), (32, 35365), (36, 35425), (40, 35458), (43, 35473), (49, 35542), (54, 35593),

Gene: Sassafras_55 Start: 38555, Stop: 39049, Start Num: 17

Candidate Starts for Sassafras_55:

(Start: 15 @38546 has 44 MA's), (Start: 16 @38552 has 32 MA's), (Start: 17 @38555 has 174 MA's), (30, 38738), (32, 38759), (36, 38819), (43, 38867), (45, 38879), (49, 38936), (54, 38987),

Gene: SassyB_52 Start: 37792, Stop: 38196, Start Num: 16

Candidate Starts for SassyB_52:

(Start: 15 @37786 has 44 MA's), (Start: 16 @37792 has 32 MA's), (Start: 17 @37795 has 174 MA's), (20, 37819), (35, 38047), (36, 38056), (38, 38071), (39, 38074), (49, 38164),

Gene: Schnauzer_46 Start: 31741, Stop: 32124, Start Num: 15

Candidate Starts for Schnauzer_46:

(6, 31606), (11, 31717), (Start: 15 @31741 has 44 MA's), (Start: 16 @31747 has 32 MA's), (25, 31840), (28, 31903), (33, 31966), (34, 31990), (44, 32041), (48, 32083), (51, 32113),

Gene: Scitech_42 Start: 29757, Stop: 30140, Start Num: 15

Candidate Starts for Scitech_42:

(6, 29622), (11, 29733), (Start: 15 @29757 has 44 MA's), (Start: 16 @29763 has 32 MA's), (25, 29856), (28, 29919), (33, 29982), (34, 30006), (44, 30057), (48, 30099), (51, 30129),

Gene: Scottish_55 Start: 38595, Stop: 39089, Start Num: 17

Candidate Starts for Scottish_55:

(Start: 15 @38586 has 44 MA's), (Start: 16 @38592 has 32 MA's), (Start: 17 @38595 has 174 MA's), (30, 38778), (32, 38799), (36, 38859), (40, 38892), (43, 38907), (49, 38976), (54, 39027),

Gene: Seabastian_62 Start: 41568, Stop: 42062, Start Num: 17

Candidate Starts for Seabastian_62:

(Start: 15 @41559 has 44 MA's), (Start: 16 @41565 has 32 MA's), (Start: 17 @41568 has 174 MA's), (20, 41592), (30, 41751), (32, 41772), (36, 41832), (40, 41865), (43, 41880), (49, 41949), (54, 42000),

Gene: Seagreen_57 Start: 38560, Stop: 39054, Start Num: 17

Candidate Starts for Seagreen_57:

(Start: 17 @38560 has 174 MA's), (30, 38743), (32, 38764), (36, 38824), (40, 38857), (43, 38872), (49, 38941), (54, 38992),

Gene: Shauna1_56 Start: 39670, Stop: 40071, Start Num: 17

Candidate Starts for Shauna1_56:

(Start: 15 @39661 has 44 MA's), (Start: 16 @39667 has 32 MA's), (Start: 17 @39670 has 174 MA's), (20, 39694), (35, 39922), (36, 39931), (38, 39946), (39, 39949), (49, 40039),

Gene: ShiLan_56 Start: 38996, Stop: 39490, Start Num: 17

Candidate Starts for ShiLan_56:

(Start: 15 @38987 has 44 MA's), (Start: 16 @38993 has 32 MA's), (Start: 17 @38996 has 174 MA's), (20, 39020), (30, 39179), (32, 39200), (36, 39260), (40, 39293), (43, 39308), (49, 39377), (54, 39428),

Gene: ShowerHandel_60 Start: 38963, Stop: 39457, Start Num: 17

Candidate Starts for ShowerHandel_60:

(Start: 15 @38954 has 44 MA's), (Start: 16 @38960 has 32 MA's), (Start: 17 @38963 has 174 MA's), (20, 38987), (30, 39146), (32, 39167), (36, 39227), (40, 39260), (43, 39275), (49, 39344), (54, 39395),

Gene: ShrimpFriedEgg_49 Start: 32626, Stop: 33006, Start Num: 15

Candidate Starts for ShrimpFriedEgg_49:

(2, 32344), (3, 32347), (6, 32491), (Start: 15 @32626 has 44 MA's), (25, 32722), (28, 32785), (33, 32848), (34, 32872), (44, 32923), (48, 32965), (51, 32995),

Gene: ShroomBoi_59 Start: 39923, Stop: 40417, Start Num: 17

Candidate Starts for ShroomBoi_59:

(Start: 15 @39914 has 44 MA's), (Start: 16 @39920 has 32 MA's), (Start: 17 @39923 has 174 MA's), (20, 39947), (28, 40079), (30, 40106), (32, 40127), (36, 40187), (40, 40220), (43, 40235), (49, 40304), (54, 40355),

Gene: SiSi_55 Start: 38369, Stop: 38863, Start Num: 17

Candidate Starts for SiSi_55:

(Start: 15 @38360 has 44 MA's), (Start: 16 @38366 has 32 MA's), (Start: 17 @38369 has 174 MA's), (20, 38393), (30, 38552), (32, 38573), (36, 38633), (40, 38666), (43, 38681), (49, 38750), (54, 38801),

Gene: Silvafighter_46 Start: 31714, Stop: 32097, Start Num: 15

Candidate Starts for Silvafighter_46:

(6, 31579), (11, 31690), (Start: 15 @31714 has 44 MA's), (Start: 16 @31720 has 32 MA's), (25, 31813), (28, 31876), (33, 31939), (34, 31963), (44, 32014), (48, 32056), (51, 32086),

Gene: Silvy_43 Start: 30482, Stop: 30862, Start Num: 15

Candidate Starts for Silvy_43:

(2, 30200), (3, 30203), (6, 30347), (Start: 15 @30482 has 44 MA's), (25, 30578), (28, 30641), (33, 30704), (34, 30728), (44, 30779), (48, 30821), (51, 30851),

Gene: SimranZ1_57 Start: 39149, Stop: 39643, Start Num: 17

Candidate Starts for SimranZ1_57:

(Start: 15 @39140 has 44 MA's), (Start: 16 @39146 has 32 MA's), (Start: 17 @39149 has 174 MA's), (30, 39332), (32, 39353), (36, 39413), (40, 39446), (43, 39461), (49, 39530), (54, 39581),

Gene: Smurph_45 Start: 31741, Stop: 32124, Start Num: 15

Candidate Starts for Smurph_45:

(6, 31606), (11, 31717), (Start: 15 @31741 has 44 MA's), (Start: 16 @31747 has 32 MA's), (25, 31840), (28, 31903), (33, 31966), (34, 31990), (44, 32041), (48, 32083), (51, 32113),

Gene: Snekmaggedon_43 Start: 30918, Stop: 31301, Start Num: 15

Candidate Starts for Snekmaggedon_43:

(6, 30783), (11, 30894), (Start: 15 @30918 has 44 MA's), (Start: 16 @30924 has 32 MA's), (25, 31017), (28, 31080), (33, 31143), (34, 31167), (44, 31218), (48, 31260), (51, 31290),

Gene: Soul22_63 Start: 40554, Stop: 41048, Start Num: 17

Candidate Starts for Soul22_63:

(Start: 17 @40554 has 174 MA's), (30, 40737), (32, 40758), (36, 40818), (40, 40851), (43, 40866), (49, 40935), (54, 40986),

Gene: Sparkdehlily_65 Start: 40681, Stop: 41082, Start Num: 17

Candidate Starts for Sparkdehlily_65:

(Start: 15 @40672 has 44 MA's), (Start: 16 @40678 has 32 MA's), (Start: 17 @40681 has 174 MA's), (20, 40705), (35, 40933), (36, 40942), (38, 40957), (39, 40960), (49, 41050),

Gene: Spartacus_59 Start: 39633, Stop: 40127, Start Num: 17

Candidate Starts for Spartacus_59:

(Start: 15 @39624 has 44 MA's), (Start: 16 @39630 has 32 MA's), (Start: 17 @39633 has 174 MA's), (30, 39816), (32, 39837), (36, 39897), (40, 39930), (43, 39945), (54, 40065),

Gene: Spikelee_64 Start: 41253, Stop: 41747, Start Num: 17

Candidate Starts for Spikelee_64:

(Start: 15 @41244 has 44 MA's), (Start: 16 @41250 has 32 MA's), (Start: 17 @41253 has 174 MA's), (30, 41436), (32, 41457), (36, 41517), (40, 41550), (43, 41565), (49, 41634), (54, 41685),

Gene: SpongeBob_43 Start: 30918, Stop: 31301, Start Num: 15

Candidate Starts for SpongeBob_43:

(6, 30783), (11, 30894), (Start: 15 @30918 has 44 MA's), (Start: 16 @30924 has 32 MA's), (25, 31017), (28, 31080), (33, 31143), (34, 31167), (44, 31218), (48, 31260), (51, 31290),

Gene: Spoonbill_54 Start: 37543, Stop: 38037, Start Num: 17

Candidate Starts for Spoonbill_54:

(Start: 15 @37534 has 44 MA's), (Start: 16 @37540 has 32 MA's), (Start: 17 @37543 has 174 MA's), (30, 37726), (31, 37741), (32, 37747), (36, 37807), (43, 37855), (45, 37867), (49, 37924), (54, 37975),

Gene: Squirty_60 Start: 40442, Stop: 40849, Start Num: 17

Candidate Starts for Squirty_60:

(Start: 15 @40433 has 44 MA's), (Start: 16 @40439 has 32 MA's), (Start: 17 @40442 has 174 MA's), (37, 40712), (49, 40817),

Gene: StAnnes_56 Start: 39845, Stop: 40249, Start Num: 16

Candidate Starts for StAnnes_56:

(Start: 15 @39839 has 44 MA's), (Start: 16 @39845 has 32 MA's), (Start: 17 @39848 has 174 MA's), (20, 39872), (35, 40100), (36, 40109), (38, 40124), (39, 40127), (49, 40217),

Gene: Stap_55 Start: 38344, Stop: 38838, Start Num: 17

Candidate Starts for Stap_55:

(Start: 15 @38335 has 44 MA's), (Start: 16 @38341 has 32 MA's), (Start: 17 @38344 has 174 MA's), (30, 38527), (31, 38542), (32, 38548), (36, 38608), (43, 38656), (45, 38668), (49, 38725), (54, 38776),

Gene: Starcevich_56 Start: 38920, Stop: 39414, Start Num: 17

Candidate Starts for Starcevich_56:

(Start: 15 @38911 has 44 MA's), (Start: 16 @38917 has 32 MA's), (Start: 17 @38920 has 174 MA's), (20, 38944), (30, 39103), (32, 39124), (36, 39184), (40, 39217), (43, 39232), (49, 39301), (54, 39352),

Gene: Strokeseat_53 Start: 37079, Stop: 37573, Start Num: 17

Candidate Starts for Strokeseat_53:

(Start: 15 @37070 has 44 MA's), (Start: 16 @37076 has 32 MA's), (Start: 17 @37079 has 174 MA's), (20, 37103), (30, 37262), (32, 37283), (36, 37343), (40, 37376), (43, 37391), (49, 37460), (54, 37511),

Gene: SuperGrey_61 Start: 41156, Stop: 41557, Start Num: 17

Candidate Starts for SuperGrey_61:

(Start: 15 @41147 has 44 MA's), (Start: 16 @41153 has 32 MA's), (Start: 17 @41156 has 174 MA's), (35, 41408), (36, 41417), (38, 41432), (39, 41435), (49, 41525),

Gene: SwagPigglett_62 Start: 41271, Stop: 41765, Start Num: 17

Candidate Starts for SwagPigglett_62:

(Start: 15 @41262 has 44 MA's), (Start: 16 @41268 has 32 MA's), (Start: 17 @41271 has 174 MA's), (20, 41295), (30, 41454), (32, 41475), (36, 41535), (40, 41568), (43, 41583), (49, 41652), (54, 41703),

Gene: TChen_57 Start: 40173, Stop: 40667, Start Num: 17

Candidate Starts for TChen_57:

(Start: 17 @40173 has 174 MA's), (30, 40356), (32, 40377), (36, 40437), (40, 40470), (43, 40485), (49, 40554), (54, 40605),

Gene: TDanisky_65 Start: 40681, Stop: 41082, Start Num: 17

Candidate Starts for TDanisky_65:

(Start: 15 @40672 has 44 MA's), (Start: 16 @40678 has 32 MA's), (Start: 17 @40681 has 174 MA's), (20, 40705), (35, 40933), (36, 40942), (38, 40957), (39, 40960), (49, 41050),

Gene: Taj_61 Start: 40729, Stop: 41217, Start Num: 17

Candidate Starts for Taj_61:

(Start: 15 @40720 has 44 MA's), (Start: 16 @40726 has 32 MA's), (Start: 17 @40729 has 174 MA's), (20, 40753), (30, 40906), (31, 40921), (32, 40927), (36, 40987), (40, 41020), (43, 41035), (49, 41104), (54, 41155),

Gene: Tapioca_47 Start: 31707, Stop: 32090, Start Num: 15

Candidate Starts for Tapioca_47:

(6, 31572), (11, 31683), (Start: 15 @31707 has 44 MA's), (Start: 16 @31713 has 32 MA's), (25, 31806), (28, 31869), (33, 31932), (34, 31956), (44, 32007), (48, 32049), (51, 32079),

Gene: ThetaBob_61 Start: 40247, Stop: 40741, Start Num: 17

Candidate Starts for ThetaBob_61:

(Start: 17 @40247 has 174 MA's), (30, 40430), (32, 40451), (36, 40511), (40, 40544), (43, 40559), (49, 40628), (54, 40679),

Gene: TootsiePop_57 Start: 38434, Stop: 38787, Start Num: 19

Candidate Starts for TootsiePop_57:

(11, 38383), (12, 38389), (Start: 19 @38434 has 6 MA's), (23, 38476), (27, 38545), (33, 38626), (34, 38650), (45, 38707), (52, 38776),

Gene: Tootsieroll_58 Start: 38292, Stop: 38786, Start Num: 17

Candidate Starts for Tootsieroll_58:

(Start: 15 @38283 has 44 MA's), (Start: 16 @38289 has 32 MA's), (Start: 17 @38292 has 174 MA's), (30, 38475), (32, 38496), (36, 38556), (40, 38589), (43, 38604), (49, 38673), (54, 38724),

Gene: Totinger_59 Start: 38222, Stop: 38716, Start Num: 17

Candidate Starts for Totinger_59:

(Start: 15 @38213 has 44 MA's), (Start: 16 @38219 has 32 MA's), (Start: 17 @38222 has 174 MA's), (30, 38405), (32, 38426), (36, 38486), (40, 38519), (43, 38534), (49, 38603), (54, 38654),

Gene: Tweety_57 Start: 40472, Stop: 40873, Start Num: 17

Candidate Starts for Tweety_57:

(Start: 15 @40463 has 44 MA's), (Start: 16 @40469 has 32 MA's), (Start: 17 @40472 has 174 MA's), (20, 40496), (35, 40724), (36, 40733), (38, 40748), (39, 40751), (49, 40841),

Gene: UncleRicky_56 Start: 39203, Stop: 39697, Start Num: 17

Candidate Starts for UncleRicky_56:

(Start: 15 @39194 has 44 MA's), (Start: 16 @39200 has 32 MA's), (Start: 17 @39203 has 174 MA's), (30, 39386), (32, 39407), (36, 39467), (40, 39500), (43, 39515), (49, 39584), (54, 39635),

Gene: VRedHorse_57 Start: 38279, Stop: 38773, Start Num: 17

Candidate Starts for VRedHorse_57:

(Start: 15 @38270 has 44 MA's), (Start: 16 @38276 has 32 MA's), (Start: 17 @38279 has 174 MA's), (30, 38462), (32, 38483), (36, 38543), (40, 38576), (43, 38591), (49, 38660), (54, 38711),

Gene: Velveteen_52 Start: 35161, Stop: 35655, Start Num: 17

Candidate Starts for Velveteen_52:

(Start: 15 @35152 has 44 MA's), (Start: 16 @35158 has 32 MA's), (Start: 17 @35161 has 174 MA's), (30, 35344), (32, 35365), (36, 35425), (40, 35458), (43, 35473), (49, 35542), (54, 35593),

Gene: Veteran_54 Start: 38058, Stop: 38465, Start Num: 17

Candidate Starts for Veteran_54:

(Start: 15 @38049 has 44 MA's), (Start: 16 @38055 has 32 MA's), (Start: 17 @38058 has 174 MA's), (37, 38328), (49, 38433),

Gene: Wachhund_59 Start: 39272, Stop: 39673, Start Num: 17

Candidate Starts for Wachhund_59:

(Start: 15 @39263 has 44 MA's), (Start: 16 @39269 has 32 MA's), (Start: 17 @39272 has 174 MA's), (20, 39296), (35, 39524), (36, 39533), (38, 39548), (39, 39551), (49, 39641),

Gene: Whatsapiecost_58 Start: 38556, Stop: 38963, Start Num: 17

Candidate Starts for Whatsapiecost_58:

(Start: 15 @38547 has 44 MA's), (Start: 16 @38553 has 32 MA's), (Start: 17 @38556 has 174 MA's), (37, 38826), (49, 38931),

Gene: Whouxphf_54 Start: 38875, Stop: 39369, Start Num: 17

Candidate Starts for Whouxphf_54:

(Start: 15 @38866 has 44 MA's), (Start: 16 @38872 has 32 MA's), (Start: 17 @38875 has 174 MA's), (30, 39058), (32, 39079), (36, 39139), (40, 39172), (43, 39187), (49, 39256), (54, 39307),

Gene: WillSterrel_58 Start: 40750, Stop: 41244, Start Num: 17

Candidate Starts for WillSterrel_58:

(Start: 15 @40741 has 44 MA's), (Start: 16 @40747 has 32 MA's), (Start: 17 @40750 has 174 MA's), (30, 40933), (32, 40954), (36, 41014), (40, 41047), (43, 41062), (54, 41182),

Gene: XFactor_56 Start: 38361, Stop: 38762, Start Num: 17

Candidate Starts for XFactor_56:

(Start: 15 @38352 has 44 MA's), (Start: 16 @38358 has 32 MA's), (Start: 17 @38361 has 174 MA's), (20, 38385), (35, 38613), (36, 38622), (38, 38637), (39, 38640), (49, 38730),

Gene: Xerxes_45 Start: 31738, Stop: 32121, Start Num: 15

Candidate Starts for Xerxes_45:

(6, 31603), (11, 31714), (Start: 15 @31738 has 44 MA's), (Start: 16 @31744 has 32 MA's), (25, 31837), (28, 31900), (33, 31963), (34, 31987), (44, 32038), (48, 32080), (51, 32110),

Gene: Xula_39 Start: 30657, Stop: 31028, Start Num: 16

Candidate Starts for Xula_39:

(4, 30474), (5, 30507), (7, 30603), (8, 30609), (9, 30615), (14, 30642), (Start: 16 @30657 has 32 MA's), (18, 30678), (20, 30684), (27, 30795), (28, 30813), (34, 30900), (41, 30933), (42, 30942), (43, 30945), (52, 31017),

Gene: Yorick_56 Start: 39337, Stop: 39831, Start Num: 17

Candidate Starts for Yorick_56:

(Start: 15 @39328 has 44 MA's), (Start: 16 @39334 has 32 MA's), (Start: 17 @39337 has 174 MA's), (20, 39361), (30, 39520), (32, 39541), (36, 39601), (40, 39634), (43, 39649), (49, 39718), (54, 39769),

Gene: Yoshi_69 Start: 40511, Stop: 41005, Start Num: 17

Candidate Starts for Yoshi_69:

(Start: 17 @40511 has 174 MA's), (30, 40694), (32, 40715), (36, 40775), (40, 40808), (43, 40823), (49, 40892), (54, 40943),

Gene: Zapner_70 Start: 40876, Stop: 41370, Start Num: 17

Candidate Starts for Zapner_70:

(Start: 17 @40876 has 174 MA's), (20, 40900), (23, 40939), (30, 41059), (31, 41074), (32, 41080), (36, 41140), (40, 41173), (43, 41188), (45, 41200), (49, 41257), (54, 41308),

Gene: Zerg_57 Start: 38744, Stop: 39241, Start Num: 16

Candidate Starts for Zerg_57:

(Start: 15 @38738 has 44 MA's), (Start: 16 @38744 has 32 MA's), (Start: 17 @38747 has 174 MA's), (28, 38903), (30, 38930), (32, 38951), (36, 39011), (40, 39044), (43, 39059), (49, 39128), (54, 39179),

Gene: Zizzle_61 Start: 40590, Stop: 41084, Start Num: 17

Candidate Starts for Zizzle_61:

(Start: 15 @40581 has 44 MA's), (Start: 16 @40587 has 32 MA's), (Start: 17 @40590 has 174 MA's), (20, 40614), (30, 40773), (32, 40794), (36, 40854), (40, 40887), (43, 40902), (49, 40971), (54, 41022),