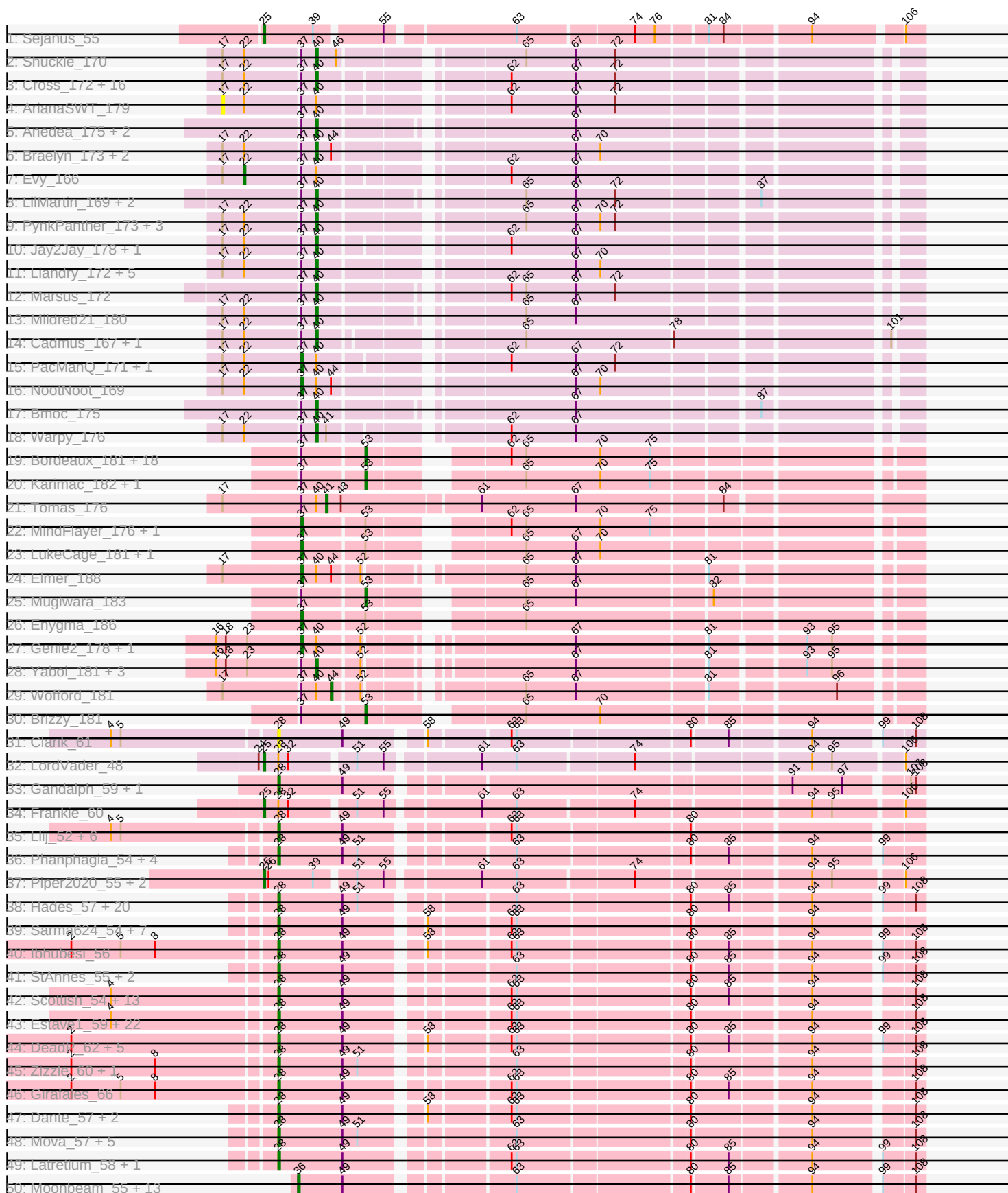
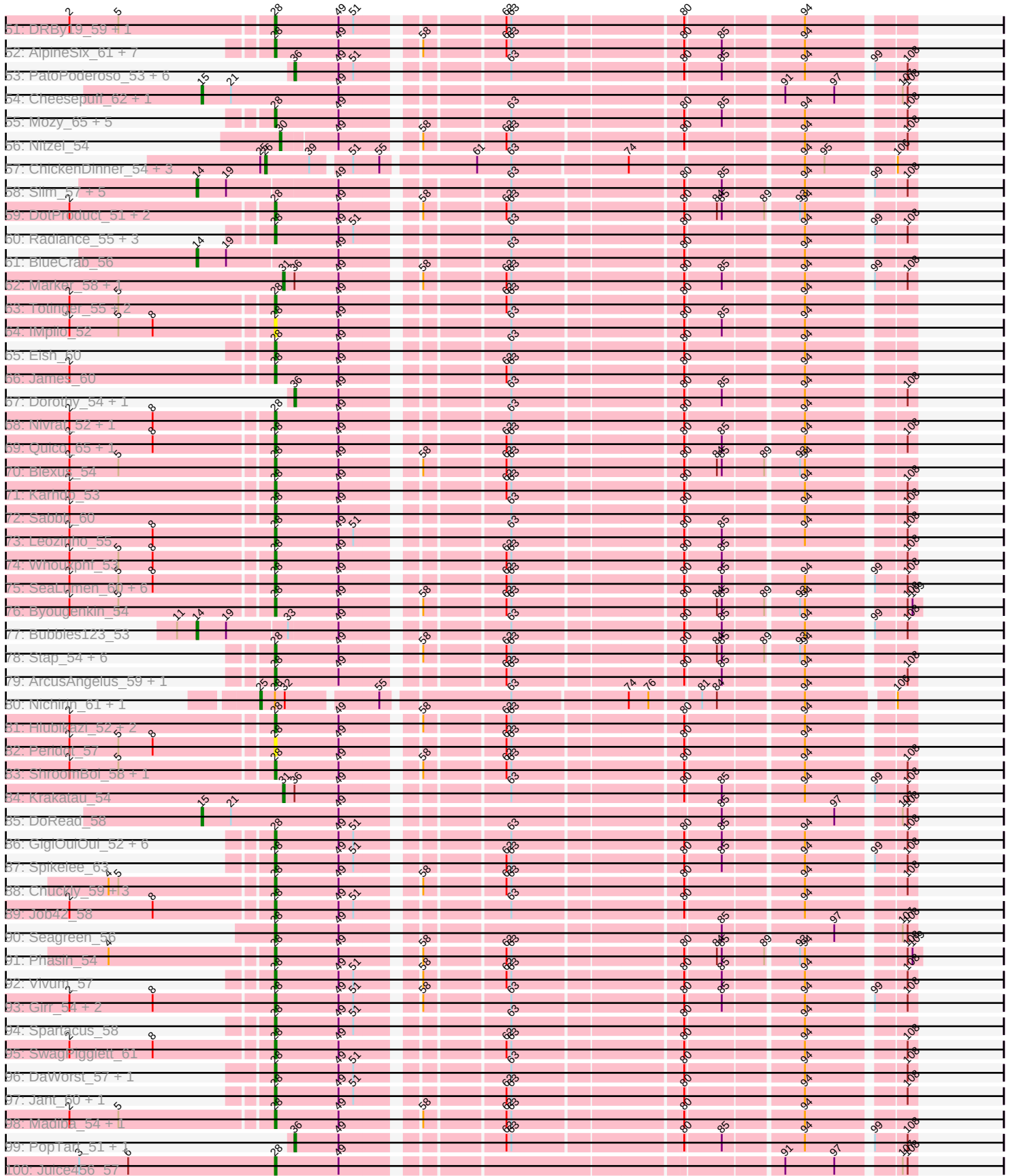


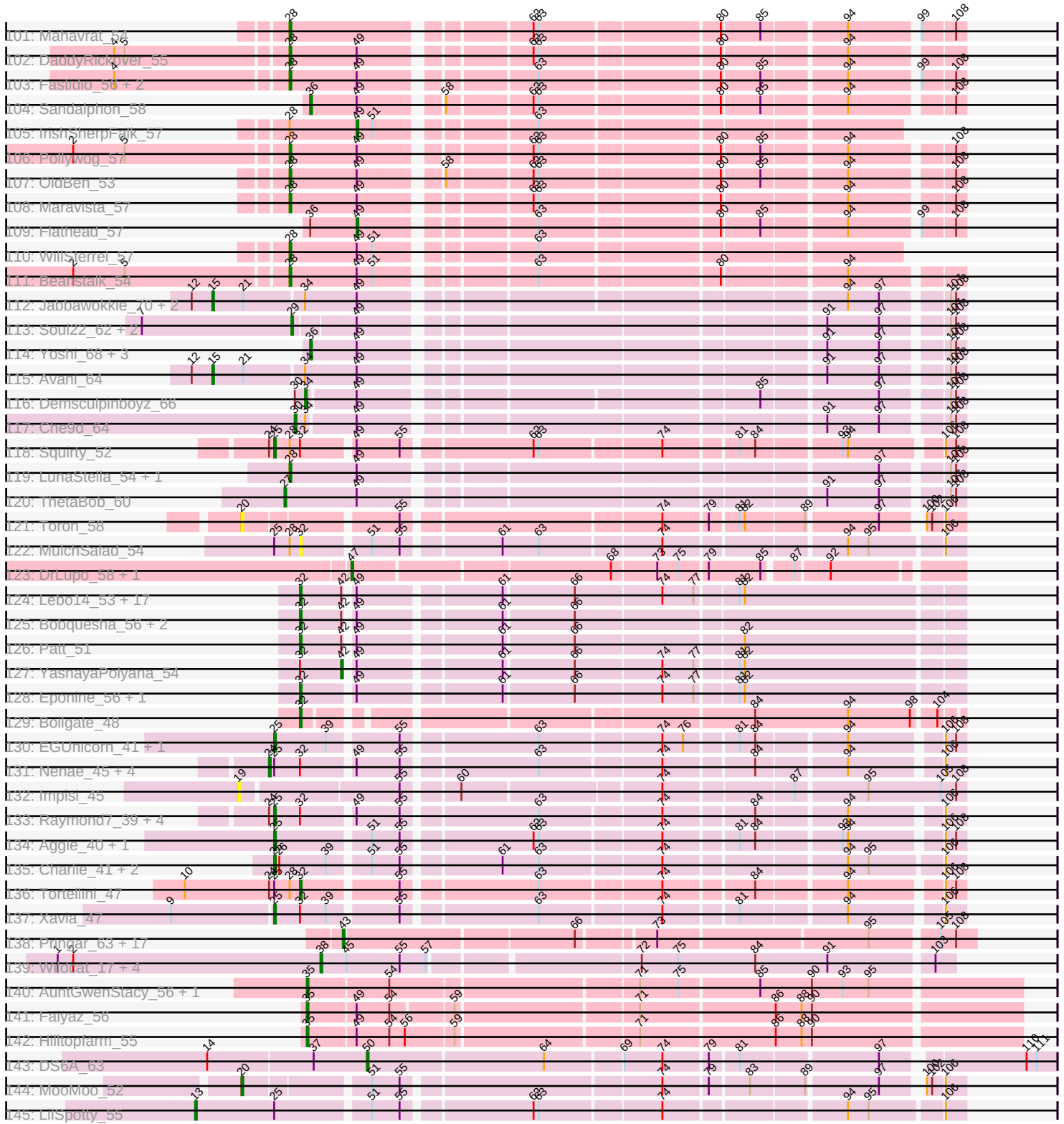
Pham 330340



Pham 330340



Pham 330340



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 330340 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330340 has 443 members, 33 are drafts.

Phages represented in each track:

- Track 1 : Sejanus_55
- Track 2 : Shuckle_170
- Track 3 : Cross_172, Tribute_170, Sushi23_172, Coogler_171, Peebs_170, Leo04_173, Cursive_171, Pepperwood_171, EGole_174, BlueOtter_171, Teutsch_171, Larnav_172, HangryHippo_171, Scheme_175, Samisti12_174, Watermoore_171, WashU_169
- Track 4 : ArianaSWT_179
- Track 5 : Anedea_175, Riptide_168, LilSaint_167
- Track 6 : Braelyn_173, Paradiddles_166, Navo_170
- Track 7 : Evy_166
- Track 8 : LilMartin_169, MulchMansion_170, Angela_171
- Track 9 : PynkPanther_173, WhereRU_172, Davielle_173, Persimmon_173
- Track 10 : Jay2Jay_178, Targaryen_172
- Track 11 : Liandry_172, Bartholomune_172, PinkiePie_170, Eliot67_173, FreddyDRoo_171, Squillium_173
- Track 12 : Marsus_172
- Track 13 : Mildred21_180
- Track 14 : Cadmus_167, Daubenski_166
- Track 15 : PacManQ_171, Lululemon_171
- Track 16 : NootNoot_169
- Track 17 : Bmoc_175
- Track 18 : Warpy_176
- Track 19 : Bordeaux_181, Birchlyn_181, Battuta_182, Wipeout_175, Starbow_180, AcciDwight_190, Jollison_180, Quarant19_182, PumpkinSpice_184, Spelly_185, JimJam_188, TomSawyer_186, Daisy123_190, Amabiko_185, KentuckyRacer_186, IchabodCrane_177, Gibbi_190, Rikishi_183, SaltySpitoon_182
- Track 20 : Karimac_182, Spilled_187
- Track 21 : Tomas_176
- Track 22 : MindFlayer_176, CeilingFan_184
- Track 23 : LukeCage_181, StarPlatinum_189
- Track 24 : Elmer_188
- Track 25 : Mugiwara_183
- Track 26 : Enygma_186
- Track 27 : Genie2_178, BoomerJR_178
- Track 28 : Yaboi_181, Sollertia_178, Stanimal_177, AngryGiraffe_176
- Track 29 : Wofford_181
- Track 30 : Brizzy_181

- Track 31 : Clank_61
- Track 32 : LordVader_48
- Track 33 : Gandolph_59, Cornucopia_58
- Track 34 : Frankie_60
- Track 35 : Llij_52, UncleRicky_55, Lucia_55, Lorde_56, Drago_54, DirtMcgirt_55, Phatniss_54
- Track 36 : Phanphagia_54, Shauna1_55, Donkeykong_60, MilanaBonita_47, Akhila_48
- Track 37 : Piper2020_55, TootsiePop_53, Misha28_53
- Track 38 : Hades_57, CaptainTrips_53, MinionDave_55, TDanisky_64, Doomslug_65, SG4_53, GUmbie_54, OwlsT2W_56, SilverChicken_67, Inventum_51, PhesterPhotato_57, Eradicator_49, Juniper1_54, Wachhund_58, BuzzLyseyear_62, Mwanjiwa_62, Enby_57, Sassafras_54, Veteran_53, Bipolar_55, Sparkdehlily_64
- Track 39 : Sarma624_54, BigPhil_52, Kingsley_53, Cerasum_52, Tootsieroll_57, Brookers_53, Coco12_55, Velveteen_51
- Track 40 : Ibhubesi_56
- Track 41 : StAnnes_55, Medindi_53, SimranZ1_56
- Track 42 : Scottish_54, Daenerys_50, Pacc40_50, KingMidas_55, Deb65_51, PMC_53, RitaG_51, Boomer_61, Nimbo_50, JoeyJr_51, PHappiness_51, Geralt_51, Leperchaun_48, Rockne_57
- Track 43 : Estave1_59, Pippy_54, LastJedi_50, Crumble_51, Lizziana_62, Starceвич_55, ShowerHandel_59, OlympiaSaint_58, Burwell21_54, NormanBulbieJr_56, Priscilla_56, FreddyB_57, Yorick_55, Cabrinians_57, Jarcob_56, Martik_56, Koella_50, Brocalys_51, ShiLan_55, Clifton_51, Saal_58, Gorge_60, Jennelsea_54
- Track 44 : DeadP_62, Taj_60, Tchotchke_57, Wee_59, KristaRAM_59, Tweety_56
- Track 45 : Zizzle_60, Mattes_60
- Track 46 : Girafales_66
- Track 47 : Dante_57, Ramsey_56, Ovechkin_55
- Track 48 : Mova_57, Brushbloom_59, Whatsapiecost_57, Minnie_60, MilleniumForce_60, Squirty_59
- Track 49 : Latretium_58, Grimmer_63
- Track 50 : Moonbeam_55, Filuzino_55, Bobi_62, Zerg_56, Fruitloop_54, DLane_52, Okabe_52, Ardmore_49, Melissaueren88_55, RockyHorror_57, Ogopogo_62, Emma_58, Phalconet_55, Kenuha5_54
- Track 51 : DRBy19_59, Philus_59
- Track 52 : AlpineSix_61, Seabastian_61, Modragons_60, Ochi17_59, Jinglebell_61, OfUltron_61, Oksu_62, Llama_61
- Track 53 : PatoPoderoso_53, XFactor_55, Ms6_52, Hamulus_58, Batiatus_55, KingJulian_56, Corium_53
- Track 54 : Cheesepuff_62, Cornie_51
- Track 55 : Mozy_65, SiSi_54, Alexphander_60, SuperGrey_60, Mantra_52, Plumbus_58
- Track 56 : Nitzel_54
- Track 57 : ChickenDinner_54, DocMcStuffs_54, Awesomesauce_55, Aloeri_55
- Track 58 : Slim_57, Beakin_58, VRedHorse_56, Emmaloid_57, Royals2015_59, Rialto_62
- Track 59 : DotProduct_51, Mutaforma13_60, Firehouse51_57
- Track 60 : Radiance_55, Renaud18_61, Hegedechwinu_56, IbOuu_55
- Track 61 : BlueCrab_56
- Track 62 : Marker_58, Constella_112
- Track 63 : Totinger_55, ByChance_48, LittleShirley_55
- Track 64 : IMpilo_52

- Track 65 : Eish_60
- Track 66 : James_60
- Track 67 : Dorothy_54, RedBird_54
- Track 68 : Nivrat_52, LilMoolah_54
- Track 69 : Quico_65, Florinda_68
- Track 70 : Blexus_54
- Track 71 : Karhdo_53
- Track 72 : Sabbb_60
- Track 73 : Leozinho_55
- Track 74 : Whouxphf_53
- Track 75 : SeaLumen_60, LunaBlu_58, NewHope4_57, Fancypants_58, Polo2Bam_61, Galactic_55, Enzomatic_62
- Track 76 : Byougenkin_54
- Track 77 : Bubbles123_53
- Track 78 : Stap_54, Doomphist_56, Empress_54, Poenanya_56, Spoonbill_53, Polka14_54, BodEinwohner17_56
- Track 79 : ArcusAngelus_59, Chevrolet_62
- Track 80 : Nichirin_61, SkinnyPete_39
- Track 81 : Hlubikazi_52, Mandlovu_52, Strokeseat_52
- Track 82 : Peridot_57
- Track 83 : ShroomBoi_58, Kersh_58
- Track 84 : Krakatau_54
- Track 85 : DoRead_58
- Track 86 : GigiOuiOui_52, QuickMath_57, EmiMonkey_54, DosHalletts_58, Kimberlium_58, MulchExplorer_58, PhilipPhlop_56
- Track 87 : Spikelee_63
- Track 88 : Chuckly_59, Rita_57, BobaPhett_60, MadMen_54
- Track 89 : Job42_58
- Track 90 : Seagreen_56
- Track 91 : Phasih_54
- Track 92 : Vivum_57
- Track 93 : Girr_54, Ruby_52, MisterCuddles_54
- Track 94 : Spartacus_58
- Track 95 : SwagPigglett_61
- Track 96 : DaWorst_57, Doug_58
- Track 97 : Jant_60, Guppsters_57
- Track 98 : Madiba_54, Violac_58
- Track 99 : PopTart_51, SassyB_51
- Track 100 : Juice456_57
- Track 101 : Mahavrat_54
- Track 102 : DaddyRickover_55
- Track 103 : Fastidio_56, Aubs_57, DillTech15_53
- Track 104 : Sandalphon_58
- Track 105 : IrishSherpFalk_57
- Track 106 : Pollywog_57
- Track 107 : OldBen_53
- Track 108 : Maravista_57
- Track 109 : Flathead_57
- Track 110 : WillSterrel_57
- Track 111 : Beanstalk_54
- Track 112 : Jabbawokkie_70, Blarby_68, Zapner_69
- Track 113 : Soul22_62, EleanorGeorge_57, Che8_61
- Track 114 : Yoshi_68, Harley_59, JalFarm20_69, Topiatin_63

- Track 115 : Avani_64
- Track 116 : Demsculpinboyz_66
- Track 117 : Che9d_64
- Track 118 : Squirty_52
- Track 119 : LunaStella_54, TChen_56
- Track 120 : ThetaBob_60
- Track 121 : Toron_58
- Track 122 : MulchSalad_54
- Track 123 : DrLupo_58, AmandaPanda_57
- Track 124 : Lebo14_53, Fionnbharth_54, Juliette_56, OmniCritical_53, Taquito_54, Wintermute_54, Y10_53, Mitti_54, DanSyl44_57, JF1_54, Malthus_55, Qhanda_56, Chancellor_54, SamScheppers_52, Kraw_54, Slarp_54, Y2_53, Cheetobro_54
- Track 125 : Bobquesha_56, Reptar3000_52, MissDaisy_52
- Track 126 : Patt_51
- Track 127 : YasnayaPolyana_54
- Track 128 : Eponine_56, Ruthiejr_55
- Track 129 : Boilgate_48
- Track 130 : EGUnicorn_41, Bosection6_40
- Track 131 : Nенаe_45, Redi_45, PhancyPhin_45, Hanako_45, ShrimpFriedEgg_45
- Track 132 : Impisi_45
- Track 133 : Raymond7_39, BabeRuth_46, Purgamenstris_45, Spinach_45, Rebel_37
- Track 134 : Aggie_40, Silvy_40
- Track 135 : Charlie_41, Cubone_43, Journey_40
- Track 136 : Tortellini_47
- Track 137 : Xavia_47
- Track 138 : Pringar_63, FeliMaine_66, MosMoris_61, GoongGoong_63, Huphlepuuff_66, Tesla_61, Beelzebub_68, Poise_64, Clarkson_65, Gattaca_62, Raela_64, JoieB_65, Caprice_63, VasuNzinga_63, Corazon_62, Marvin_60, Blackbeetle_64, RedRaider77_63
- Track 139 : Wildcat_17, EniyanLRS_14, Azrael100_17, Cosmo_17, MaryV_17
- Track 140 : AuntGwenStacy_56, Typha_55
- Track 141 : Faiyaz_56
- Track 142 : Hilltopfarm_55
- Track 143 : DS6A_63
- Track 144 : MooMoo_52
- Track 145 : LilSpotty_55

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

The start number called the most often in the published annotations is 28, it was called in 193 of the 410 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Akhila_48, Alexphander_60, AlpineSix_61, ArcusAngelus_59, Aubs_57, Beanstalk_54, BigPhil_52, Bipolar_55, Blexus_54, BobaPhett_60, BodEinwohner17_56, Boomer_61, Brocalys_51, Brookers_53, Brushbloom_59, Burwell21_54, BuzzLyseyear_62, ByChance_48, Byougenkin_54, Cabrinians_57, CaptainTrips_53, Cerasum_52, Chevrolet_62, Chuckly_59, Clank_61, Clifton_51, Coco12_55, Cornucopia_58, Crumble_51, DRBy19_59, DaWorst_57,

DaddyRickover_55, Daenerys_50, Dante_57, DeadP_62, Deb65_51, DillTech15_53, DirtMcGirt_55, Donkeykong_60, Doomphist_56, Doomslug_65, DosHalletts_58, DotProduct_51, Doug_58, Drago_54, Eish_60, EmiMonkey_54, Empress_54, Enby_57, Enzomatic_62, Eradicator_49, Estave1_59, Fancypants_58, Fastidio_56, Firehouse51_57, Florinda_68, FreddyB_57, GUmBie_54, Galactic_55, Gandalph_59, Geralt_51, GigiOuiOui_52, Girafales_66, Girr_54, Gorge_60, Grimmer_63, Guppsters_57, Hades_57, Hegedechwinu_56, Hlubikazi_52, IMpilo_52, IbOuu_55, Ibhubesi_56, Inventum_51, James_60, Jant_60, Jarcob_56, Jennelsea_54, Jinglebell_61, Job42_58, JoeyJr_51, Juice456_57, Juniper1_54, Karhdo_53, Kersh_58, Kimberlium_58, KingMidas_55, Kingsley_53, Koella_50, KristaRAM_59, LastJedi_50, Latretium_58, Leozinho_55, Leperchaun_48, LilMoolah_54, LittleShirley_55, Lizziana_62, Llama_61, Llij_52, Lorde_56, Lucia_55, LunaBlu_58, LunaStella_54, MadMen_54, Madiba_54, Mahavrat_54, Mandlovu_52, Mantra_52, Maravista_57, Martik_56, Mattes_60, Medindi_53, MilanaBonita_47, MilleniumForce_60, MinionDave_55, Minnie_60, MisterCuddles_54, Modragons_60, Mova_57, Mozy_65, MulchExplorer_58, Mutaforma13_60, Mwanjiwa_62, NewHope4_57, Nimbo_50, Nivrat_52, NormanBulbieJr_56, Ochi17_59, OfUltron_61, Oksu_62, OldBen_53, OlympiaSaint_58, Ovechkin_55, OwlsT2W_56, PHappiness_51, PMC_53, Pacc40_50, Peridot_57, Phanphagia_54, Phasih_54, Phatniss_54, PhesterPhotato_57, Philus_59, PhilipPhlop_56, Pippy_54, Plumbus_58, Poenanya_56, Polka14_54, Pollywog_57, Polo2Bam_61, Priscilla_56, QuickMath_57, Quico_65, Radiance_55, Ramsey_56, Renaud18_61, RitaG_51, Rita_57, Rockne_57, Ruby_52, SG4_53, Saal_58, Sabbb_60, Sarma624_54, Sassafras_54, Scottish_54, SeaLumen_60, Seabastian_61, Seagreen_56, Shauna1_55, ShiLan_55, ShowerHandel_59, ShroomBoi_58, SiSi_54, SilverChicken_67, SimranZ1_56, Sparkdehlily_64, Spartacus_58, Spikelee_63, Spoonbill_53, Squirty_59, StAnnes_55, Stap_54, Starcevich_55, Strokeseat_52, SuperGrey_60, SwagPigglett_61, TChen_56, TDanisky_64, Taj_60, Tchotchke_57, Tootsieroll_57, Totinger_55, Tweety_56, UncleRicky_55, Velveteen_51, Veteran_53, Violac_58, Vivum_57, Wachhund_58, Wee_59, Whatsapiecost_57, Whouxphf_53, WillSterrel_57, Yorick_55, Zizzle_60,

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

- Frankie_60, IrishSherpFalk_57, LordVader_48, MulchSalad_54, Nichirin_61, SkinnyPete_39, Squirty_52, Tortellini_47,

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

- AcciDwight_190, Aggie_40, Aloeri_55, Amabiko_185, AmandaPanda_57, Anedea_175, Angela_171, AngryGiraffe_176, Ardmore_49, ArianaSWT_179, AuntGwenStacy_56, Avani_64, Awesomesauce_55, Azrael100_17, BabeRuth_46, Bartholomune_172, Batiatus_55, Battuta_182, Beakin_58, Beelzebub_68, Birchlyn_181, Blackbeetle_64, Blarby_68, BlueCrab_56, BlueOtter_171, Bmoc_175, Bobi_62, Bobquesha_56, Boilgate_48, BoomerJR_178, Bordeaux_181, Bosection6_40, Braelyn_173, Brizzy_181, Bubbles123_53, Cadmus_167, Caprice_63, CeilingFan_184, Chancellor_54, Charlie_41, Che8_61, Che9d_64, Cheesepuff_62, Cheetobro_54, ChickenDinner_54, Clarkson_65, Constella_112, Coogler_171, Corazon_62, Corium_53, Cornie_51, Cosmo_17, Cross_172, Cubone_43, Cursive_171, DLane_52, DS6A_63, Daisy123_190, DanSyl44_57, Daubenski_166, Davielle_173, Demsculpinboyz_66, DoRead_58, DocMcStuffins_54, Dorothy_54, DrLupo_58, EGUnicorn_41, EGole_174, EleanorGeorge_57, Eliot67_173, Elmer_188, Emma_58, Emmaloid_57, EniyanLRS_14, Enygma_186, Eponine_56, Evy_166, Faiyaz_56, FeliMaine_66, Filuzino_55, Fionnbharth_54, Flathead_57, FreddyDRoo_171, Fruitloop_54, Gattaca_62, Genie2_178, Gibbi_190,

GoongGoong_63, Hamulus_58, Hanako_45, HangryHippo_171, Harley_59, Hilltopfarm_55, Huphlepuuff_66, IchabodCrane_177, Impisi_45, JF1_54, Jabbawokkie_70, JalFarm20_69, Jay2Jay_178, JimJam_188, JoieB_65, Jollison_180, Journey_40, Juliette_56, Karimac_182, KentuckyRacer_186, Kenuha5_54, KingJulian_56, Krakatau_54, Kraw_54, Larnav_172, Lebo14_53, Leo04_173, Liandry_172, LilMartin_169, LilSaint_167, LilSpotty_55, LukeCage_181, Lululemon_171, Malthus_55, Marker_58, Marsus_172, Marvin_60, MaryV_17, Melissauren88_55, Mildred21_180, MindFlayer_176, Misha28_53, MissDaisy_52, Mitti_54, MooMoo_52, Moonbeam_55, MosMoris_61, Ms6_52, Mugiwara_183, MulchMansion_170, Navo_170, Nenae_45, NitzeI_54, NootNoot_169, Ogopogo_62, Okabe_52, OmniCritical_53, PacManQ_171, Paradiddles_166, PatoPoderoso_53, Patt_51, Peebs_170, Pepperwood_171, Persimmon_173, Phalconet_55, PhancyPhin_45, PinkiePie_170, Piper2020_55, Poise_64, PopTart_51, Pringar_63, PumpkinSpice_184, Purgamenstris_45, PynkPanther_173, Qhanda_56, Quarant19_182, Raela_64, Raymond7_39, Rebel_37, RedBird_54, RedRaider77_63, Redi_45, Reptar3000_52, Rialto_62, Rikishi_183, Riptide_168, RockyHorror_57, Royals2015_59, Ruthiejr_55, SaltySpittoon_182, SamScheppers_52, Samisti12_174, Sandalphon_58, SassyB_51, Scheme_175, Sejanus_55, ShrimpFriedEgg_45, Shuckle_170, Silvy_40, Slarp_54, Slim_57, Sollertia_178, Soul22_62, Spelly_185, Spilled_187, Spinach_45, Squillium_173, Stanimal_177, StarPlatinum_189, Starbow_180, Sushi23_172, Taquito_54, Targaryen_172, Tesla_61, Teutsch_171, ThetaBob_60, TomSawyer_186, Tomas_176, TootsiePop_53, Topiatin_63, Toron_58, Tribute_170, Typha_55, VRedHorse_56, VasuNzinga_63, Warpy_176, WashU_169, Watermoore_171, WhereRU_172, Wildcat_17, Wintermute_54, Wipeout_175, Wofford_181, XFactor_55, Xavia_47, Y10_53, Y2_53, Yaboi_181, YasnayaPolyana_54, Yoshi_68, Zapner_69, Zerg_56,

Summary by start number:

Start 13:

- Found in 1 of 443 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_55 (singleton),

Start 14:

- Found in 9 of 443 (2.0%) of genes in pham
- Manual Annotations of this start: 8 of 410
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Beakin_58 (F1), BlueCrab_56 (F1), Bubbles123_53 (F1), Emmaloid_57 (F1), Rialto_62 (F1), Royals2015_59 (F1), Slim_57 (F1), VRedHorse_56 (F1),

Start 15:

- Found in 7 of 443 (1.6%) of genes in pham
- Manual Annotations of this start: 6 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avani_64 (F2), Blarby_68 (F), Cheesepuff_62 (F1), Cornie_51 (F5), DoRead_58 (F1), Jabbawokkie_70 (F2), Zapner_69 (F2),

Start 17:

- Found in 45 of 443 (10.2%) of genes in pham

- No Manual Annotations of this start.
- Called 2.2% of time when present
- Phage (with cluster) where this start called: ArianaSWT_179 (BE1),

Start 19:

- Found in 9 of 443 (2.0%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Impisi_45 (N),

Start 20:

- Found in 2 of 443 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MooMoo_52 (singleton), Toron_58 (F6),

Start 22:

- Found in 42 of 443 (9.5%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 2.4% of time when present
- Phage (with cluster) where this start called: Evy_166 (BE1),

Start 24:

- Found in 13 of 443 (2.9%) of genes in pham
- Manual Annotations of this start: 5 of 410
- Called 38.5% of time when present
- Phage (with cluster) where this start called: Hanako_45 (N), Nенаe_45 (N), PhancyPhin_45 (N), Redi_45 (N), ShrimpFriedEgg_45 (N),

Start 25:

- Found in 34 of 443 (7.7%) of genes in pham
- Manual Annotations of this start: 21 of 410
- Called 64.7% of time when present
- Phage (with cluster) where this start called: Aggie_40 (N), BabeRuth_46 (N), Bosection6_40 (N), Charlie_41 (N), Cubone_43 (N), EGUnicorn_41 (N), Frankie_60 (F1), Journey_40 (N), LordVader_48 (F), Misha28_53 (F1), Nichirin_61 (F1), Piper2020_55 (F1), Purgamenstris_45 (N), Raymond7_39 (N), Rebel_37 (N), Sejanus_55 (AD), Silvy_40 (N), SkinnyPete_39 (N), Spinach_45 (N), Squirty_52 (F3), TootsiePop_53 (F1), Xavia_47 (P3),

Start 26:

- Found in 10 of 443 (2.3%) of genes in pham
- Manual Annotations of this start: 4 of 410
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Aloeri_55 (F1), Awesomesauce_55 (F1), ChickenDinner_54 (F1), DocMcStuffins_54 (F1),

Start 27:

- Found in 1 of 443 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ThetaBob_60 (F4),

Start 28:

- Found in 214 of 443 (48.3%) of genes in pham
- Manual Annotations of this start: 193 of 410
- Called 96.3% of time when present
- Phage (with cluster) where this start called: Akhila_48 (F1), Alexphander_60 (F1), AlpineSix_61 (F1), ArcusAngelus_59 (F1), Aubs_57 (F1), Beanstalk_54 (F1), BigPhil_52 (F1), Bipolar_55 (F1), Blexus_54 (F1), BobaPhett_60 (F1), BodEinwohner17_56 (F1), Boomer_61 (F1), Brocalys_51 (F1), Brookers_53 (F1), Brushbloom_59 (F1), Burwell21_54 (F1), BuzzLyseyear_62 (F1), ByChance_48 (F1), Byougenkin_54 (F1), Cabrinians_57 (F1), CaptainTrips_53 (F1), Cerasum_52 (F1), Chevrolet_62 (F1), Chuckly_59 (F1), Clank_61 (F), Clifton_51 (F1), Coco12_55 (F1), Cornucopia_58 (F1), Crumble_51 (F1), DRBy19_59 (F1), DaWorst_57 (F1), DaddyRickover_55 (F1), Daenerys_50 (F1), Dante_57 (F1), DeadP_62 (F1), Deb65_51 (F1), DillTech15_53 (F1), DirtMcgirt_55 (F1), Donkeykong_60 (F1), Doomphist_56 (F1), Doomslug_65 (F), DosHalletts_58 (F1), DotProduct_51 (F1), Doug_58 (F1), Drago_54 (F1), Eish_60 (F1), EmiMonkey_54 (F1), Empress_54 (F1), Enby_57 (F1), Enzomatic_62 (F1), Eradicator_49 (F1), Estave1_59 (F1), Fancypants_58 (F1), Fastidio_56 (F1), Firehouse51_57 (F1), Florinda_68 (F1), FreddyB_57 (F1), GUmbie_54 (F1), Galactic_55 (F1), Gandolph_59 (F1), Geralt_51 (F1), GigiOuiOui_52 (F1), Girafales_66 (F1), Girr_54 (F1), Gorge_60 (F1), Grimmer_63 (F1), Guppsters_57 (F1), Hades_57 (F1), Hegedechwinu_56 (F1), Hlubikazi_52 (F1), IMpilo_52 (F1), IbOuu_55 (F1), Ibhubesi_56 (F1), Inventum_51 (F1), James_60 (F1), Jant_60 (F1), JarcoB_56 (F1), Jennelsea_54 (F1), Jinglebell_61 (F1), Job42_58 (F1), JoeyJr_51 (F1), Juice456_57 (F1), Juniper1_54 (F1), Karhdo_53 (F1), Kersh_58 (F1), Kimberlium_58 (F1), KingMidas_55 (F1), Kingsley_53 (F1), Koella_50 (F1), KristaRAM_59 (F1), LastJedi_50 (F1), Latretium_58 (F1), Leozinho_55 (F1), Leperchaun_48 (F1), LilMoolah_54 (F1), LittleShirley_55 (F1), Lizziana_62 (F1), Llama_61 (F1), Llij_52 (F1), Lorde_56 (F1), Lucia_55 (F1), LunaBlu_58 (F1), LunaStella_54 (F4), MadMen_54 (F1), Madiba_54 (F1), Mahavrat_54 (F1), Mandlovu_52 (F1), Mantra_52 (F1), Maravista_57 (F1), Martik_56 (F1), Mattes_60 (F1), Medindi_53 (F1), MilanaBonita_47 (F1), MilleniumForce_60 (F1), MinionDave_55 (F1), Minnie_60 (F1), MisterCuddles_54 (F1), Modragons_60 (F1), Mova_57 (F1), Mozy_65 (F1), MulchExplorer_58 (F1), Mutaforma13_60 (F1), Mwanjiwa_62 (F1), NewHope4_57 (F1), Nimbo_50 (F1), Nivrat_52 (F1), NormanBulbieJr_56 (F1), Ochi17_59 (F1), OfUltron_61 (F1), Oksu_62 (F1), OldBen_53 (F1), OlympiaSaint_58 (F1), Ovechkin_55 (F1), OwlsT2W_56 (F1), PHappiness_51 (F1), PMC_53 (F1), Pacc40_50 (F1), Peridot_57 (F1), Phanphagia_54 (F1), Phasiñ_54 (F1), Phatniss_54 (F1), PhesterPhotato_57 (F1), Philus_59 (F1), PhilipPhlop_56 (F1), Pippy_54 (F1), Plumbus_58 (F1), Poenanya_56 (F1), Polka14_54 (F1), Pollywog_57 (F1), Polo2Bam_61 (F1), Priscilla_56 (F1), QuickMath_57 (F1), Quico_65 (F1), Radiance_55 (F1), Ramsey_56 (F1), Renaud18_61 (F4), RitaG_51 (F1), Rita_57 (F1), Rockne_57 (F1), Ruby_52 (F1), SG4_53 (F1), Saal_58 (F1), Sabbb_60 (F1), Sarma624_54 (F1), Sassafras_54 (F1), Scottish_54 (F1), SeaLumen_60 (F1), Seabastian_61 (F1), Seagreen_56 (F1), Shauna1_55 (F1), ShiLan_55 (F1), ShowerHandel_59 (F1), ShroomBoi_58 (F1), SiSi_54 (F1), SilverChicken_67 (F2), SimranZ1_56 (F1), Sparkdehlily_64 (F1), Spartacus_58 (F1), Spikelee_63 (F1), Spoonbill_53 (F1), Squirty_59 (F3), StAnnes_55 (F1), Stap_54 (F1), Starceвич_55 (F1), Strokeseat_52 (F1), SuperGrey_60 (F1), SwagPigglett_61 (F1), TChen_56 (F4), TDanisky_64 (F1), Taj_60 (F1), Tchotchke_57 (F1), Tootsieroll_57 (F1), Totinger_55 (F1), Tweety_56 (F1), UncleRicky_55 (F1), Velveteen_51 (F1), Veteran_53 (F1), Violac_58 (F1), Vivum_57 (F1), Wachhund_58 (F1), Wee_59 (F1), Whatsapiecost_57 (F1), Whouxphf_53 (F1), WillSterrel_57 (F1), Yorick_55 (F1), Zizzle_60 (F1),

Start 29:

- Found in 3 of 443 (0.7%) of genes in pham
- Manual Annotations of this start: 3 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Che8_61 (F1), EleanorGeorge_57 (F1), Soul22_62 (F2),

Start 30:

- Found in 3 of 443 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 410
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Che9d_64 (F2), Nitzel_54 (F1),

Start 31:

- Found in 3 of 443 (0.7%) of genes in pham
- Manual Annotations of this start: 3 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Constella_112 (J), Krakatau_54 (F1), Marker_58 (F1),

Start 32:

- Found in 44 of 443 (9.9%) of genes in pham
- Manual Annotations of this start: 23 of 410
- Called 61.4% of time when present
- Phage (with cluster) where this start called: Bobquesha_56 (K4), Boilgate_48 (K8), Chancellor_54 (K4), Cheetobro_54 (K4), DanSyl44_57 (K4), Eponine_56 (K4), Fionnbharth_54 (K4), JF1_54 (K4), Juliette_56 (K4), Kraw_54 (K4), Lebo14_53 (K4), Malthus_55 (K4), MissDaisy_52 (K4), Mitti_54 (K4), MulchSalad_54 (F7), OmniCritical_53 (K4), Patt_51 (K4), Qhanda_56 (K4), Reptar3000_52 (K4), Ruthiejr_55 (K4), SamScheppers_52 (K4), Slarp_54 (K4), Taquito_54 (K4), Tortellini_47 (P2), Wintermute_54 (K4), Y10_53 (K4), Y2_53 (K4),

Start 34:

- Found in 6 of 443 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Demsculpinboyz_66 (F2),

Start 35:

- Found in 4 of 443 (0.9%) of genes in pham
- Manual Annotations of this start: 4 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_56 (Y), Faiyaz_56 (Y), Hilltopfarm_55 (Y), Typha_55 (Y),

Start 36:

- Found in 34 of 443 (7.7%) of genes in pham
- Manual Annotations of this start: 24 of 410
- Called 88.2% of time when present
- Phage (with cluster) where this start called: Ardmore_49 (F1), Batiatus_55 (F1), Bobi_62 (F1), Corium_53 (F1), DLane_52 (F1), Dorothy_54 (F1), Emma_58 (F1), Filuzino_55 (F1), Fruitloop_54 (F1), Hamulus_58 (F1), Harley_59 (F1), JalFarm20_69

(F1), Kenuha5_54 (F1), KingJulian_56 (F1), Melissauren88_55 (F1), Moonbeam_55 (F1), Ms6_52 (F1), Ogopogo_62 (F1), Okabe_52 (F8), PatoPoderoso_53 (F1), Phalconet_55 (F1), PopTart_51 (F1), RedBird_54 (F1), RockyHorror_57 (F1), Sandalphon_58 (F1), SassyB_51 (F1), Topiatin_63 (F1), XFactor_55 (F1), Yoshi_68 (F2), Zerg_56 (F1),

Start 37:

- Found in 88 of 443 (19.9%) of genes in pham
- Manual Annotations of this start: 11 of 410
- Called 12.5% of time when present
- Phage (with cluster) where this start called: BoomerJR_178 (BE2), CeilingFan_184 (BE2), Elmer_188 (BE2), Enygma_186 (BE2), Genie2_178 (BE2), LukeCage_181 (BE2), Lululemon_171 (BE1), MindFlayer_176 (BE2), NootNoot_169 (BE1), PacManQ_171 (BE1), StarPlatinum_189 (BE2),

Start 38:

- Found in 5 of 443 (1.1%) of genes in pham
- Manual Annotations of this start: 5 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_17 (V), Cosmo_17 (V), EniyanLRS_14 (V), MaryV_17 (V), Wildcat_17 (V),

Start 40:

- Found in 59 of 443 (13.3%) of genes in pham
- Manual Annotations of this start: 48 of 410
- Called 83.1% of time when present
- Phage (with cluster) where this start called: Anedea_175 (BE1), Angela_171 (BE1), AngryGiraffe_176 (BE2), Bartholomune_172 (BE1), BlueOtter_171 (BE1), Bmoc_175 (BE1), Braelyn_173 (BE1), Cadmus_167 (BE1), Coogler_171 (BE1), Cross_172 (BE1), Cursive_171 (BE1), Daubenski_166 (BE1), Davielle_173 (BE1), EGole_174 (BE1), Eliot67_173 (BE1), FreddyDRoo_171 (BE1), HangryHippo_171 (BE1), Jay2Jay_178 (BE1), Larnav_172 (BE1), Leo04_173 (BE1), Liandry_172 (BE1), LilMartin_169 (BE1), LilSaint_167 (BE1), Marsus_172 (BE1), Mildred21_180 (BE1), MulchMansion_170 (BE1), Navo_170 (BE1), Paradiddles_166 (BE1), Peebs_170 (BE1), Pepperwood_171 (BE1), Persimmon_173 (BE1), PinkiePie_170 (BE1), PynkPanther_173 (BE1), Riptide_168 (BE1), Samisti12_174 (BE1), Scheme_175 (BE1), Shuckle_170 (BE1), Sollertia_178 (BE2), Squillium_173 (BE1), Stanimal_177 (BE2), Sushi23_172 (BE1), Targaryen_172 (BE1), Teutsch_171 (BE1), Tribute_170 (BE1), Warpy_176 (BE1), WashU_169 (BE1), Watermoore_171 (BE1), WhereRU_172 (BE1), Yaboi_181 (BE2),

Start 41:

- Found in 2 of 443 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Tomas_176 (BE2),

Start 42:

- Found in 23 of 443 (5.2%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 4.3% of time when present
- Phage (with cluster) where this start called: YasnayaPolyana_54 (K4),

Start 43:

- Found in 18 of 443 (4.1%) of genes in pham
- Manual Annotations of this start: 18 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_68 (S), Blackbeetle_64 (S), Caprice_63 (S), Clarkson_65 (S), Corazon_62 (S), FeliMaine_66 (S), Gattaca_62 (S), GoongGoong_63 (S), Huphlepuuff_66 (S), JoieB_65 (S), Marvin_60 (S), MosMoris_61 (S), Poise_64 (S), Pringar_63 (S), Raela_64 (S), RedRaider77_63 (S), Tesla_61 (S), VasuNzinga_63 (S),

Start 44:

- Found in 6 of 443 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Wofford_181 (BE2),

Start 47:

- Found in 2 of 443 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AmandaPanda_57 (H2), DrLupo_58 (H2),

Start 49:

- Found in 300 of 443 (67.7%) of genes in pham
- Manual Annotations of this start: 2 of 410
- Called 0.7% of time when present
- Phage (with cluster) where this start called: Flathead_57 (F1), IrishSherpFalk_57 (F1),

Start 50:

- Found in 1 of 443 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_63 (singleton),

Start 53:

- Found in 28 of 443 (6.3%) of genes in pham
- Manual Annotations of this start: 20 of 410
- Called 82.1% of time when present
- Phage (with cluster) where this start called: AcciDwight_190 (BE2), Amabiko_185 (BE2), Battuta_182 (BE2), Birchlyn_181 (BE2), Bordeaux_181 (BE2), Brizzy_181 (BE2), Daisy123_190 (BE2), Gibbi_190 (BE2), IchabodCrane_177 (BE2), JimJam_188 (BE2), Jollison_180 (BE2), Karimac_182 (BE2), KentuckyRacer_186 (BE2), Mugiwarra_183 (BE2), PumpkinSpice_184 (BE2), Quarant19_182 (BE2), Rikishi_183 (BE2), SaltySpitoon_182 (BE2), Spelly_185 (BE2), Spilled_187 (BE2), Starbow_180 (BE2), TomSawyer_186 (BE2), Wipeout_175 (BE2),

Summary by clusters:

There are 23 clusters represented in this pham: singleton, K4, K8, P2, P3, AD, F, J, N, S, V, Y, F1, F2, F3, F4, F5, F6, F7, F8, H2, BE2, BE1,

Info for manual annotations of cluster AD:

- Start number 25 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster BE1:

- Start number 22 was manually annotated 1 time for cluster BE1.
- Start number 37 was manually annotated 3 times for cluster BE1.
- Start number 40 was manually annotated 44 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 37 was manually annotated 8 times for cluster BE2.
- Start number 40 was manually annotated 4 times for cluster BE2.
- Start number 41 was manually annotated 1 time for cluster BE2.
- Start number 44 was manually annotated 1 time for cluster BE2.
- Start number 53 was manually annotated 20 times for cluster BE2.

Info for manual annotations of cluster F:

- Start number 25 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:

- Start number 14 was manually annotated 8 times for cluster F1.
- Start number 15 was manually annotated 2 times for cluster F1.
- Start number 25 was manually annotated 5 times for cluster F1.
- Start number 26 was manually annotated 4 times for cluster F1.
- Start number 28 was manually annotated 189 times for cluster F1.
- Start number 29 was manually annotated 2 times for cluster F1.
- Start number 30 was manually annotated 1 time for cluster F1.
- Start number 31 was manually annotated 2 times for cluster F1.
- Start number 36 was manually annotated 23 times for cluster F1.
- Start number 49 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 15 was manually annotated 3 times for cluster F2.
- Start number 29 was manually annotated 1 time for cluster F2.
- Start number 30 was manually annotated 1 time for cluster F2.
- Start number 34 was manually annotated 1 time for cluster F2.
- Start number 36 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F3:

- Start number 25 was manually annotated 1 time for cluster F3.
- Start number 28 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 27 was manually annotated 1 time for cluster F4.
- Start number 28 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 15 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster H2:

- Start number 47 was manually annotated 1 time for cluster H2.

Info for manual annotations of cluster J:

- Start number 31 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K4:

- Start number 32 was manually annotated 21 times for cluster K4.
- Start number 42 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K8:

- Start number 32 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster N:

- Start number 24 was manually annotated 5 times for cluster N.
- Start number 25 was manually annotated 12 times for cluster N.

Info for manual annotations of cluster P2:

- Start number 32 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 25 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster S:

- Start number 43 was manually annotated 18 times for cluster S.

Info for manual annotations of cluster V:

- Start number 38 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster Y:

- Start number 35 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: AcciDwight_190 Start: 95637, Stop: 95933, Start Num: 53

Candidate Starts for AcciDwight_190:

(Start: 37 @95601 has 11 MA's), (Start: 53 @95637 has 20 MA's), (62, 95703), (65, 95712), (70, 95757), (75, 95787),

Gene: Aggie_40 Start: 29489, Stop: 29848, Start Num: 25

Candidate Starts for Aggie_40:

(Start: 25 @29489 has 21 MA's), (51, 29540), (55, 29555), (62, 29624), (63, 29627), (74, 29693), (81, 29732), (84, 29741), (93, 29786), (94, 29789), (106, 29837), (108, 29843),

Gene: Akhila_48 Start: 35145, Stop: 35492, Start Num: 28

Candidate Starts for Akhila_48:

(Start: 28 @35145 has 193 MA's), (Start: 49 @35184 has 2 MA's), (51, 35193), (63, 35271), (80, 35367), (85, 35388), (94, 35433), (99, 35469),

Gene: Alexphander_60 Start: 39102, Stop: 39449, Start Num: 28

Candidate Starts for Alexphander_60:

(Start: 28 @39102 has 193 MA's), (Start: 49 @39141 has 2 MA's), (63, 39228), (80, 39324), (85, 39345), (94, 39390), (108, 39444),

Gene: Aloeri_55 Start: 37992, Stop: 38351, Start Num: 26

Candidate Starts for Aloeri_55:

(Start: 25 @37989 has 21 MA's), (Start: 26 @37992 has 4 MA's), (39, 38019), (51, 38040), (55, 38055), (61, 38106), (63, 38127), (74, 38193), (94, 38289), (95, 38301), (106, 38340),

Gene: AlpineSix_61 Start: 41221, Stop: 41568, Start Num: 28

Candidate Starts for AlpineSix_61:

(Start: 28 @41221 has 193 MA's), (Start: 49 @41260 has 2 MA's), (58, 41299), (62, 41344), (63, 41347), (80, 41443), (85, 41464), (94, 41509),

Gene: Amabiko_185 Start: 95064, Stop: 95360, Start Num: 53

Candidate Starts for Amabiko_185:

(Start: 37 @95028 has 11 MA's), (Start: 53 @95064 has 20 MA's), (62, 95130), (65, 95139), (70, 95184), (75, 95214),

Gene: AmandaPanda_57 Start: 42483, Stop: 42806, Start Num: 47

Candidate Starts for AmandaPanda_57:

(Start: 47 @42483 has 1 MA's), (68, 42624), (73, 42648), (75, 42660), (79, 42675), (85, 42705), (87, 42720), (92, 42738),

Gene: Anedea_175 Start: 94252, Stop: 94572, Start Num: 40

Candidate Starts for Anedea_175:

(Start: 37 @94243 has 11 MA's), (Start: 40 @94252 has 48 MA's), (67, 94387),

Gene: Angela_171 Start: 93836, Stop: 94156, Start Num: 40

Candidate Starts for Angela_171:

(Start: 37 @93827 has 11 MA's), (Start: 40 @93836 has 48 MA's), (65, 93941), (67, 93971), (72, 93995), (87, 94073),

Gene: AngryGiraffe_176 Start: 94241, Stop: 94558, Start Num: 40

Candidate Starts for AngryGiraffe_176:

(16, 94184), (18, 94190), (23, 94202), (Start: 37 @94232 has 11 MA's), (Start: 40 @94241 has 48 MA's), (52, 94265), (67, 94370), (81, 94445), (93, 94496), (95, 94511),

Gene: ArcusAngelus_59 Start: 39698, Stop: 40045, Start Num: 28

Candidate Starts for ArcusAngelus_59:

(Start: 28 @39698 has 193 MA's), (Start: 49 @39737 has 2 MA's), (62, 39821), (63, 39824), (80, 39920), (85, 39941), (94, 39986), (108, 40040),

Gene: Ardmore_49 Start: 37243, Stop: 37578, Start Num: 36

Candidate Starts for Ardmore_49:

(Start: 36 @37243 has 24 MA's), (Start: 49 @37270 has 2 MA's), (63, 37357), (80, 37453), (85, 37474), (94, 37519), (99, 37555), (108, 37573),

Gene: ArianaSWT_179 Start: 94822, Stop: 95193, Start Num: 17

Candidate Starts for ArianaSWT_179:

(17, 94822), (Start: 22 @94834 has 1 MA's), (Start: 37 @94864 has 11 MA's), (Start: 40 @94873 has 48 MA's), (62, 94969), (67, 95008), (72, 95032),

Gene: Aubs_57 Start: 39395, Stop: 39742, Start Num: 28

Candidate Starts for Aubs_57:

(4, 39299), (Start: 28 @39395 has 193 MA's), (Start: 49 @39434 has 2 MA's), (63, 39521), (80, 39617), (85, 39638), (94, 39683), (99, 39719), (108, 39737),

Gene: AuntGwenStacy_56 Start: 41882, Stop: 42274, Start Num: 35

Candidate Starts for AuntGwenStacy_56:

(Start: 35 @41882 has 4 MA's), (54, 41927), (71, 42062), (75, 42083), (85, 42128), (90, 42158), (93, 42176), (95, 42191),

Gene: Avani_64 Start: 39374, Stop: 39766, Start Num: 15

Candidate Starts for Avani_64:

(12, 39362), (Start: 15 @39374 has 6 MA's), (21, 39392), (Start: 34 @39425 has 1 MA's), (Start: 49 @39455 has 2 MA's), (91, 39695), (97, 39725), (107, 39758), (108, 39761),

Gene: Awesomesauce_55 Start: 37254, Stop: 37613, Start Num: 26

Candidate Starts for Awesomesauce_55:

(Start: 25 @37251 has 21 MA's), (Start: 26 @37254 has 4 MA's), (39, 37281), (51, 37302), (55, 37317), (61, 37368), (63, 37389), (74, 37455), (94, 37551), (95, 37563), (106, 37602),

Gene: Azrael100_17 Start: 5547, Stop: 5200, Start Num: 38

Candidate Starts for Azrael100_17:

(1, 5700), (2, 5691), (Start: 38 @5547 has 5 MA's), (45, 5532), (55, 5502), (57, 5487), (72, 5376), (75, 5355), (84, 5310), (91, 5268), (103, 5211),

Gene: BabeRuth_46 Start: 31707, Stop: 32066, Start Num: 25

Candidate Starts for BabeRuth_46:

(Start: 24 @31704 has 5 MA's), (Start: 25 @31707 has 21 MA's), (Start: 32 @31722 has 23 MA's), (Start: 49 @31749 has 2 MA's), (55, 31773), (63, 31845), (74, 31911), (84, 31959), (94, 32007), (106, 32055),

Gene: Bartholomune_172 Start: 93699, Stop: 94022, Start Num: 40

Candidate Starts for Bartholomune_172:

(17, 93648), (Start: 22 @93660 has 1 MA's), (Start: 37 @93690 has 11 MA's), (Start: 40 @93699 has 48 MA's), (67, 93837), (70, 93852),

Gene: Batiatus_55 Start: 39111, Stop: 39446, Start Num: 36

Candidate Starts for Batiatus_55:

(Start: 36 @39111 has 24 MA's), (Start: 49 @39138 has 2 MA's), (51, 39147), (63, 39225), (80, 39321), (85, 39342), (94, 39387), (99, 39423), (108, 39441),

Gene: Battuta_182 Start: 94846, Stop: 95142, Start Num: 53

Candidate Starts for Battuta_182:

(Start: 37 @94810 has 11 MA's), (Start: 53 @94846 has 20 MA's), (62, 94912), (65, 94921), (70, 94966), (75, 94996),

Gene: Beakin_58 Start: 38189, Stop: 38581, Start Num: 14

Candidate Starts for Beakin_58:

(Start: 14 @38189 has 8 MA's), (19, 38207), (Start: 49 @38273 has 2 MA's), (63, 38360), (80, 38456), (85, 38477), (94, 38522), (99, 38558), (108, 38576),

Gene: Beanstalk_54 Start: 37421, Stop: 37768, Start Num: 28

Candidate Starts for Beanstalk_54:

(2, 37301), (5, 37331), (Start: 28 @37421 has 193 MA's), (Start: 49 @37460 has 2 MA's), (51, 37469), (63, 37547), (80, 37643), (94, 37709),

Gene: Beelzebub_68 Start: 36994, Stop: 37332, Start Num: 43

Candidate Starts for Beelzebub_68:

(Start: 43 @36994 has 18 MA's), (66, 37120), (73, 37159), (95, 37276), (105, 37312), (108, 37321),

Gene: BigPhil_52 Start: 34814, Stop: 35161, Start Num: 28

Candidate Starts for BigPhil_52:

(Start: 28 @34814 has 193 MA's), (Start: 49 @34853 has 2 MA's), (58, 34892), (62, 34937), (63, 34940), (80, 35036), (94, 35102),

Gene: Bipolar_55 Start: 38855, Stop: 39202, Start Num: 28

Candidate Starts for Bipolar_55:

(Start: 28 @38855 has 193 MA's), (Start: 49 @38894 has 2 MA's), (51, 38903), (63, 38981), (80, 39077), (85, 39098), (94, 39143), (99, 39179), (108, 39197),

Gene: Birchlyn_181 Start: 92703, Stop: 92999, Start Num: 53

Candidate Starts for Birchlyn_181:

(Start: 37 @92667 has 11 MA's), (Start: 53 @92703 has 20 MA's), (62, 92769), (65, 92778), (70, 92823), (75, 92853),

Gene: Blackbeetle_64 Start: 36039, Stop: 36377, Start Num: 43

Candidate Starts for Blackbeetle_64:

(Start: 43 @36039 has 18 MA's), (66, 36165), (73, 36204), (95, 36321), (105, 36357), (108, 36366),

Gene: Blarby_68 Start: 40472, Stop: 40861, Start Num: 15

Candidate Starts for Blarby_68:

(12, 40460), (Start: 15 @40472 has 6 MA's), (21, 40490), (Start: 34 @40523 has 1 MA's), (Start: 49 @40553 has 2 MA's), (94, 40802), (97, 40820), (107, 40853), (108, 40856),

Gene: Blexus_54 Start: 39072, Stop: 39419, Start Num: 28

Candidate Starts for Blexus_54:

(2, 38952), (5, 38982), (Start: 28 @39072 has 193 MA's), (Start: 49 @39111 has 2 MA's), (58, 39150), (62, 39195), (63, 39198), (80, 39294), (84, 39312), (85, 39315), (89, 39339), (93, 39357), (94, 39360),

Gene: BlueCrab_56 Start: 39335, Stop: 39727, Start Num: 14

Candidate Starts for BlueCrab_56:

(Start: 14 @39335 has 8 MA's), (19, 39353), (Start: 49 @39419 has 2 MA's), (63, 39506), (80, 39602), (94, 39668),

Gene: BlueOtter_171 Start: 94910, Stop: 95230, Start Num: 40

Candidate Starts for BlueOtter_171:

(17, 94859), (Start: 22 @94871 has 1 MA's), (Start: 37 @94901 has 11 MA's), (Start: 40 @94910 has 48 MA's), (62, 95006), (67, 95045), (72, 95069),

Gene: Bmoc_175 Start: 94581, Stop: 94901, Start Num: 40

Candidate Starts for Bmoc_175:

(Start: 37 @94572 has 11 MA's), (Start: 40 @94581 has 48 MA's), (67, 94716), (87, 94818),

Gene: BobaPhett_60 Start: 41331, Stop: 41678, Start Num: 28

Candidate Starts for BobaPhett_60:

(4, 41235), (5, 41241), (Start: 28 @41331 has 193 MA's), (Start: 49 @41370 has 2 MA's), (58, 41409), (62, 41454), (63, 41457), (80, 41553), (94, 41619), (108, 41673),

Gene: Bobi_62 Start: 40720, Stop: 41055, Start Num: 36

Candidate Starts for Bobi_62:

(Start: 36 @40720 has 24 MA's), (Start: 49 @40747 has 2 MA's), (63, 40834), (80, 40930), (85, 40951), (94, 40996), (99, 41032), (108, 41050),

Gene: Bobquesha_56 Start: 37125, Stop: 37478, Start Num: 32

Candidate Starts for Bobquesha_56:

(Start: 32 @37125 has 23 MA's), (Start: 42 @37149 has 1 MA's), (Start: 49 @37152 has 2 MA's), (61, 37227), (66, 37266),

Gene: BodEinwohner17_56 Start: 38142, Stop: 38489, Start Num: 28

Candidate Starts for BodEinwohner17_56:

(Start: 28 @38142 has 193 MA's), (Start: 49 @38181 has 2 MA's), (58, 38220), (62, 38265), (63, 38268), (80, 38364), (84, 38382), (85, 38385), (89, 38409), (93, 38427), (94, 38430),

Gene: Boilgate_48 Start: 37518, Stop: 37862, Start Num: 32

Candidate Starts for Boilgate_48:

(Start: 32 @37518 has 23 MA's), (84, 37749), (94, 37803), (98, 37839), (104, 37851),

Gene: Boomer_61 Start: 41006, Stop: 41353, Start Num: 28

Candidate Starts for Boomer_61:

(4, 40910), (Start: 28 @41006 has 193 MA's), (Start: 49 @41045 has 2 MA's), (62, 41129), (63, 41132), (80, 41228), (85, 41249), (94, 41294), (108, 41348),

Gene: BoomerJR_178 Start: 94666, Stop: 94992, Start Num: 37

Candidate Starts for BoomerJR_178:

(16, 94618), (18, 94624), (23, 94636), (Start: 37 @94666 has 11 MA's), (Start: 40 @94675 has 48 MA's), (52, 94699), (67, 94804), (81, 94879), (93, 94930), (95, 94945),

Gene: Bordeaux_181 Start: 95353, Stop: 95649, Start Num: 53

Candidate Starts for Bordeaux_181:

(Start: 37 @95317 has 11 MA's), (Start: 53 @95353 has 20 MA's), (62, 95419), (65, 95428), (70, 95473), (75, 95503),

Gene: Bosection6_40 Start: 29385, Stop: 29744, Start Num: 25

Candidate Starts for Bosection6_40:

(Start: 25 @29385 has 21 MA's), (39, 29415), (55, 29451), (63, 29523), (74, 29589), (76, 29601), (81, 29628), (84, 29637), (94, 29685), (106, 29733), (108, 29739),

Gene: Braelyn_173 Start: 94759, Stop: 95082, Start Num: 40

Candidate Starts for Braelyn_173:

(17, 94708), (Start: 22 @94720 has 1 MA's), (Start: 37 @94750 has 11 MA's), (Start: 40 @94759 has 48 MA's), (Start: 44 @94768 has 1 MA's), (67, 94897), (70, 94912),

Gene: Brizzy_181 Start: 95508, Stop: 95804, Start Num: 53

Candidate Starts for Brizzy_181:

(Start: 37 @95472 has 11 MA's), (Start: 53 @95508 has 20 MA's), (65, 95583), (70, 95628),

Gene: Brocalys_51 Start: 35516, Stop: 35863, Start Num: 28

Candidate Starts for Brocalys_51:

(4, 35420), (Start: 28 @35516 has 193 MA's), (Start: 49 @35555 has 2 MA's), (62, 35639), (63, 35642), (80, 35738), (94, 35804), (108, 35858),

Gene: Brookers_53 Start: 37765, Stop: 38112, Start Num: 28

Candidate Starts for Brookers_53:

(Start: 28 @37765 has 193 MA's), (Start: 49 @37804 has 2 MA's), (58, 37843), (62, 37888), (63, 37891), (80, 37987), (94, 38053),

Gene: Brushbloom_59 Start: 40031, Stop: 40378, Start Num: 28

Candidate Starts for Brushbloom_59:

(Start: 28 @40031 has 193 MA's), (Start: 49 @40070 has 2 MA's), (51, 40079), (63, 40157), (80, 40253), (94, 40319), (108, 40373),

Gene: Bubbles123_53 Start: 38975, Stop: 39367, Start Num: 14

Candidate Starts for Bubbles123_53:

(11, 38963), (Start: 14 @38975 has 8 MA's), (19, 38993), (33, 39029), (Start: 49 @39059 has 2 MA's), (63, 39146), (80, 39242), (85, 39263), (94, 39308), (99, 39344), (108, 39362),

Gene: Burwell21_54 Start: 38614, Stop: 38961, Start Num: 28

Candidate Starts for Burwell21_54:

(4, 38518), (Start: 28 @38614 has 193 MA's), (Start: 49 @38653 has 2 MA's), (62, 38737), (63, 38740), (80, 38836), (94, 38902), (108, 38956),

Gene: BuzzLyseyear_62 Start: 40038, Stop: 40385, Start Num: 28

Candidate Starts for BuzzLyseyear_62:

(Start: 28 @40038 has 193 MA's), (Start: 49 @40077 has 2 MA's), (51, 40086), (63, 40164), (80, 40260), (85, 40281), (94, 40326), (99, 40362), (108, 40380),

Gene: ByChance_48 Start: 34305, Stop: 34652, Start Num: 28

Candidate Starts for ByChance_48:

(2, 34185), (5, 34215), (Start: 28 @34305 has 193 MA's), (Start: 49 @34344 has 2 MA's), (62, 34428), (63, 34431), (80, 34527), (94, 34593),

Gene: Byougenkin_54 Start: 38377, Stop: 38727, Start Num: 28

Candidate Starts for Byougenkin_54:

(2, 38257), (5, 38287), (Start: 28 @38377 has 193 MA's), (Start: 49 @38416 has 2 MA's), (58, 38455), (62, 38500), (63, 38503), (80, 38599), (84, 38617), (85, 38620), (89, 38644), (93, 38662), (94, 38665), (108, 38719), (109, 38722),

Gene: Cabrinians_57 Start: 38692, Stop: 39039, Start Num: 28

Candidate Starts for Cabrinians_57:

(4, 38596), (Start: 28 @38692 has 193 MA's), (Start: 49 @38731 has 2 MA's), (62, 38815), (63, 38818), (80, 38914), (94, 38980), (108, 39034),

Gene: Cadmus_167 Start: 94240, Stop: 94566, Start Num: 40

Candidate Starts for Cadmus_167:

(17, 94189), (Start: 22 @94201 has 1 MA's), (Start: 37 @94231 has 11 MA's), (Start: 40 @94240 has 48 MA's), (65, 94345), (78, 94432), (101, 94549),

Gene: Caprice_63 Start: 36353, Stop: 36691, Start Num: 43

Candidate Starts for Caprice_63:

(Start: 43 @36353 has 18 MA's), (66, 36479), (73, 36518), (95, 36635), (105, 36671), (108, 36680),

Gene: CaptainTrips_53 Start: 38188, Stop: 38535, Start Num: 28

Candidate Starts for CaptainTrips_53:

(Start: 28 @38188 has 193 MA's), (Start: 49 @38227 has 2 MA's), (51, 38236), (63, 38314), (80, 38410), (85, 38431), (94, 38476), (99, 38512), (108, 38530),

Gene: CeilingFan_184 Start: 95551, Stop: 95883, Start Num: 37

Candidate Starts for CeilingFan_184:

(Start: 37 @95551 has 11 MA's), (Start: 53 @95587 has 20 MA's), (62, 95653), (65, 95662), (70, 95707), (75, 95737),

Gene: Cerasum_52 Start: 34832, Stop: 35179, Start Num: 28

Candidate Starts for Cerasum_52:

(Start: 28 @34832 has 193 MA's), (Start: 49 @34871 has 2 MA's), (58, 34910), (62, 34955), (63, 34958), (80, 35054), (94, 35120),

Gene: Chancellor_54 Start: 37618, Stop: 37968, Start Num: 32

Candidate Starts for Chancellor_54:

(Start: 32 @37618 has 23 MA's), (Start: 42 @37642 has 1 MA's), (Start: 49 @37645 has 2 MA's), (61, 37720), (66, 37759), (74, 37804), (77, 37822), (81, 37843), (82, 37846),

Gene: Charlie_41 Start: 29383, Stop: 29745, Start Num: 25

Candidate Starts for Charlie_41:

(Start: 25 @29383 has 21 MA's), (Start: 26 @29386 has 4 MA's), (39, 29413), (51, 29434), (55, 29449), (61, 29500), (63, 29521), (74, 29587), (94, 29683), (95, 29695), (106, 29734),

Gene: Che8_61 Start: 41323, Stop: 41667, Start Num: 29

Candidate Starts for Che8_61:

(7, 41236), (Start: 29 @41323 has 3 MA's), (Start: 49 @41356 has 2 MA's), (91, 41596), (97, 41626), (107, 41659), (108, 41662),

Gene: Che9d_64 Start: 38405, Stop: 38749, Start Num: 30

Candidate Starts for Che9d_64:

(Start: 30 @38405 has 2 MA's), (Start: 34 @38411 has 1 MA's), (Start: 49 @38438 has 2 MA's), (91, 38678), (97, 38708), (107, 38741), (108, 38744),

Gene: Cheesepuff_62 Start: 40396, Stop: 40791, Start Num: 15

Candidate Starts for Cheesepuff_62:

(Start: 15 @40396 has 6 MA's), (21, 40414), (Start: 49 @40480 has 2 MA's), (91, 40720), (97, 40750), (107, 40783), (108, 40786),

Gene: Cheetobro_54 Start: 37615, Stop: 37965, Start Num: 32

Candidate Starts for Cheetobro_54:

(Start: 32 @37615 has 23 MA's), (Start: 42 @37639 has 1 MA's), (Start: 49 @37642 has 2 MA's), (61, 37717), (66, 37756), (74, 37801), (77, 37819), (81, 37840), (82, 37843),

Gene: Chevrolet_62 Start: 39699, Stop: 40046, Start Num: 28

Candidate Starts for Chevrolet_62:

(Start: 28 @39699 has 193 MA's), (Start: 49 @39738 has 2 MA's), (62, 39822), (63, 39825), (80, 39921), (85, 39942), (94, 39987), (108, 40041),

Gene: ChickenDinner_54 Start: 37992, Stop: 38351, Start Num: 26

Candidate Starts for ChickenDinner_54:

(Start: 25 @37989 has 21 MA's), (Start: 26 @37992 has 4 MA's), (39, 38019), (51, 38040), (55, 38055), (61, 38106), (63, 38127), (74, 38193), (94, 38289), (95, 38301), (106, 38340),

Gene: Chuckly_59 Start: 39334, Stop: 39681, Start Num: 28

Candidate Starts for Chuckly_59:

(4, 39238), (5, 39244), (Start: 28 @39334 has 193 MA's), (Start: 49 @39373 has 2 MA's), (58, 39412), (62, 39457), (63, 39460), (80, 39556), (94, 39622), (108, 39676),

Gene: Clank_61 Start: 39664, Stop: 40011, Start Num: 28

Candidate Starts for Clank_61:

(4, 39568), (5, 39574), (Start: 28 @39664 has 193 MA's), (Start: 49 @39703 has 2 MA's), (58, 39742), (62, 39787), (63, 39790), (80, 39886), (85, 39907), (94, 39952), (99, 39988), (108, 40006),

Gene: Clarkson_65 Start: 36722, Stop: 37060, Start Num: 43

Candidate Starts for Clarkson_65:

(Start: 43 @36722 has 18 MA's), (66, 36848), (73, 36887), (95, 37004), (105, 37040), (108, 37049),

Gene: Clifton_51 Start: 35867, Stop: 36214, Start Num: 28

Candidate Starts for Clifton_51:

(4, 35771), (Start: 28 @35867 has 193 MA's), (Start: 49 @35906 has 2 MA's), (62, 35990), (63, 35993), (80, 36089), (94, 36155), (108, 36209),

Gene: Coco12_55 Start: 38889, Stop: 39236, Start Num: 28

Candidate Starts for Coco12_55:

(Start: 28 @38889 has 193 MA's), (Start: 49 @38928 has 2 MA's), (58, 38967), (62, 39012), (63, 39015), (80, 39111), (94, 39177),

Gene: Constella_112 Start: 64955, Stop: 65296, Start Num: 31

Candidate Starts for Constella_112:

(Start: 31 @64955 has 3 MA's), (Start: 36 @64961 has 24 MA's), (Start: 49 @64988 has 2 MA's), (58, 65027), (62, 65072), (63, 65075), (80, 65171), (85, 65192), (94, 65237), (99, 65273), (108, 65291),

Gene: Coogler_171 Start: 95579, Stop: 95899, Start Num: 40

Candidate Starts for Coogler_171:

(17, 95528), (Start: 22 @95540 has 1 MA's), (Start: 37 @95570 has 11 MA's), (Start: 40 @95579 has 48 MA's), (62, 95675), (67, 95714), (72, 95738),

Gene: Corazon_62 Start: 36916, Stop: 37254, Start Num: 43

Candidate Starts for Corazon_62:

(Start: 43 @36916 has 18 MA's), (66, 37042), (73, 37081), (95, 37198), (105, 37234), (108, 37243),

Gene: Corium_53 Start: 37743, Stop: 38078, Start Num: 36

Candidate Starts for Corium_53:

(Start: 36 @37743 has 24 MA's), (Start: 49 @37770 has 2 MA's), (51, 37779), (63, 37857), (80, 37953), (85, 37974), (94, 38019), (99, 38055), (108, 38073),

Gene: Cornie_51 Start: 36858, Stop: 37253, Start Num: 15

Candidate Starts for Cornie_51:

(Start: 15 @36858 has 6 MA's), (21, 36876), (Start: 49 @36942 has 2 MA's), (91, 37182), (97, 37212), (107, 37245), (108, 37248),

Gene: Cornucopia_58 Start: 39344, Stop: 39694, Start Num: 28

Candidate Starts for Cornucopia_58:

(Start: 28 @39344 has 193 MA's), (Start: 49 @39383 has 2 MA's), (91, 39623), (97, 39653), (107, 39686), (108, 39689),

Gene: Cosmo_17 Start: 5547, Stop: 5200, Start Num: 38

Candidate Starts for Cosmo_17:

(1, 5700), (2, 5691), (Start: 38 @5547 has 5 MA's), (45, 5532), (55, 5502), (57, 5487), (72, 5376), (75, 5355), (84, 5310), (91, 5268), (103, 5211),

Gene: Cross_172 Start: 95555, Stop: 95875, Start Num: 40

Candidate Starts for Cross_172:

(17, 95504), (Start: 22 @95516 has 1 MA's), (Start: 37 @95546 has 11 MA's), (Start: 40 @95555 has 48 MA's), (62, 95651), (67, 95690), (72, 95714),

Gene: Crumble_51 Start: 34628, Stop: 34975, Start Num: 28

Candidate Starts for Crumble_51:

(4, 34532), (Start: 28 @34628 has 193 MA's), (Start: 49 @34667 has 2 MA's), (62, 34751), (63, 34754), (80, 34850), (94, 34916), (108, 34970),

Gene: Cubone_43 Start: 29405, Stop: 29767, Start Num: 25

Candidate Starts for Cubone_43:

(Start: 25 @29405 has 21 MA's), (Start: 26 @29408 has 4 MA's), (39, 29435), (51, 29456), (55, 29471), (61, 29522), (63, 29543), (74, 29609), (94, 29705), (95, 29717), (106, 29756),

Gene: Cursive_171 Start: 93764, Stop: 94084, Start Num: 40

Candidate Starts for Cursive_171:

(17, 93713), (Start: 22 @93725 has 1 MA's), (Start: 37 @93755 has 11 MA's), (Start: 40 @93764 has 48 MA's), (62, 93860), (67, 93899), (72, 93923),

Gene: DLane_52 Start: 37767, Stop: 38102, Start Num: 36

Candidate Starts for DLane_52:

(Start: 36 @37767 has 24 MA's), (Start: 49 @37794 has 2 MA's), (63, 37881), (80, 37977), (85, 37998), (94, 38043), (99, 38079), (108, 38097),

Gene: DRBy19_59 Start: 39792, Stop: 40139, Start Num: 28

Candidate Starts for DRBy19_59:

(2, 39672), (5, 39702), (Start: 28 @39792 has 193 MA's), (Start: 49 @39831 has 2 MA's), (51, 39840), (62, 39915), (63, 39918), (80, 40014), (94, 40080),

Gene: DS6A_63 Start: 41803, Stop: 42168, Start Num: 50

Candidate Starts for DS6A_63:

(Start: 14 @41713 has 8 MA's), (Start: 37 @41773 has 11 MA's), (Start: 50 @41803 has 1 MA's), (64, 41902), (69, 41944), (74, 41965), (79, 41989), (81, 42004), (97, 42079), (110, 42151), (111, 42157),

Gene: DaWorst_57 Start: 39093, Stop: 39440, Start Num: 28

Candidate Starts for DaWorst_57:

(Start: 28 @39093 has 193 MA's), (Start: 49 @39132 has 2 MA's), (51, 39141), (63, 39219), (80, 39315), (94, 39381), (108, 39435),

Gene: DaddyRickover_55 Start: 38831, Stop: 39178, Start Num: 28

Candidate Starts for DaddyRickover_55:

(4, 38735), (5, 38741), (Start: 28 @38831 has 193 MA's), (Start: 49 @38870 has 2 MA's), (62, 38954), (63, 38957), (80, 39053), (94, 39119),

Gene: Daenerys_50 Start: 36947, Stop: 37294, Start Num: 28

Candidate Starts for Daenerys_50:

(4, 36851), (Start: 28 @36947 has 193 MA's), (Start: 49 @36986 has 2 MA's), (62, 37070), (63, 37073), (80, 37169), (85, 37190), (94, 37235), (108, 37289),

Gene: Daisy123_190 Start: 95841, Stop: 96137, Start Num: 53

Candidate Starts for Daisy123_190:

(Start: 37 @95805 has 11 MA's), (Start: 53 @95841 has 20 MA's), (62, 95907), (65, 95916), (70, 95961), (75, 95991),

Gene: DanSyl44_57 Start: 38740, Stop: 39093, Start Num: 32

Candidate Starts for DanSyl44_57:

(Start: 32 @38740 has 23 MA's), (Start: 42 @38764 has 1 MA's), (Start: 49 @38767 has 2 MA's), (61, 38842), (66, 38881), (74, 38929), (77, 38947), (81, 38968), (82, 38971),

Gene: Dante_57 Start: 38616, Stop: 38963, Start Num: 28

Candidate Starts for Dante_57:

(Start: 28 @38616 has 193 MA's), (Start: 49 @38655 has 2 MA's), (58, 38694), (62, 38739), (63, 38742), (80, 38838), (94, 38904), (108, 38958),

Gene: Daubenski_166 Start: 95477, Stop: 95803, Start Num: 40

Candidate Starts for Daubenski_166:

(17, 95426), (Start: 22 @95438 has 1 MA's), (Start: 37 @95468 has 11 MA's), (Start: 40 @95477 has 48 MA's), (65, 95582), (78, 95669), (101, 95786),

Gene: Davielle_173 Start: 94426, Stop: 94749, Start Num: 40

Candidate Starts for Davielle_173:

(17, 94375), (Start: 22 @94387 has 1 MA's), (Start: 37 @94417 has 11 MA's), (Start: 40 @94426 has 48 MA's), (65, 94534), (67, 94564), (70, 94579), (72, 94588),

Gene: DeadP_62 Start: 41268, Stop: 41615, Start Num: 28

Candidate Starts for DeadP_62:

(2, 41148), (Start: 28 @41268 has 193 MA's), (Start: 49 @41307 has 2 MA's), (58, 41346), (62, 41391), (63, 41394), (80, 41490), (85, 41511), (94, 41556), (99, 41592), (108, 41610),

Gene: Deb65_51 Start: 36916, Stop: 37263, Start Num: 28

Candidate Starts for Deb65_51:

(4, 36820), (Start: 28 @36916 has 193 MA's), (Start: 49 @36955 has 2 MA's), (62, 37039), (63, 37042), (80, 37138), (85, 37159), (94, 37204), (108, 37258),

Gene: Demsculpinboyz_66 Start: 38415, Stop: 38750, Start Num: 34

Candidate Starts for Demsculpinboyz_66:

(Start: 30 @38409 has 2 MA's), (Start: 34 @38415 has 1 MA's), (Start: 49 @38442 has 2 MA's), (85, 38646), (97, 38709), (107, 38742), (108, 38745),

Gene: DillTech15_53 Start: 37281, Stop: 37628, Start Num: 28

Candidate Starts for DillTech15_53:

(4, 37185), (Start: 28 @37281 has 193 MA's), (Start: 49 @37320 has 2 MA's), (63, 37407), (80, 37503), (85, 37524), (94, 37569), (99, 37605), (108, 37623),

Gene: DirtMcgirt_55 Start: 37356, Stop: 37703, Start Num: 28

Candidate Starts for DirtMcgirt_55:

(4, 37260), (5, 37266), (Start: 28 @37356 has 193 MA's), (Start: 49 @37395 has 2 MA's), (62, 37479), (63, 37482), (80, 37578),

Gene: DoRead_58 Start: 37770, Stop: 38162, Start Num: 15

Candidate Starts for DoRead_58:

(Start: 15 @37770 has 6 MA's), (21, 37788), (Start: 49 @37854 has 2 MA's), (85, 38058), (97, 38121), (107, 38154), (108, 38157),

Gene: DocMcStuffins_54 Start: 37992, Stop: 38351, Start Num: 26

Candidate Starts for DocMcStuffins_54:

(Start: 25 @37989 has 21 MA's), (Start: 26 @37992 has 4 MA's), (39, 38019), (51, 38040), (55, 38055), (61, 38106), (63, 38127), (74, 38193), (94, 38289), (95, 38301), (106, 38340),

Gene: Donkeykong_60 Start: 41650, Stop: 41997, Start Num: 28

Candidate Starts for Donkeykong_60:

(Start: 28 @41650 has 193 MA's), (Start: 49 @41689 has 2 MA's), (51, 41698), (63, 41776), (80, 41872), (85, 41893), (94, 41938), (99, 41974),

Gene: Doomphist_56 Start: 39792, Stop: 40139, Start Num: 28

Candidate Starts for Doomphist_56:

(Start: 28 @39792 has 193 MA's), (Start: 49 @39831 has 2 MA's), (58, 39870), (62, 39915), (63, 39918), (80, 40014), (84, 40032), (85, 40035), (89, 40059), (93, 40077), (94, 40080),

Gene: Doomslug_65 Start: 39212, Stop: 39559, Start Num: 28

Candidate Starts for Doomslug_65:

(Start: 28 @39212 has 193 MA's), (Start: 49 @39251 has 2 MA's), (51, 39260), (63, 39338), (80, 39434), (85, 39455), (94, 39500), (99, 39536), (108, 39554),

Gene: Dorothy_54 Start: 38023, Stop: 38358, Start Num: 36

Candidate Starts for Dorothy_54:

(Start: 36 @38023 has 24 MA's), (Start: 49 @38050 has 2 MA's), (63, 38137), (80, 38233), (85, 38254), (94, 38299), (108, 38353),

Gene: DosHalletts_58 Start: 40147, Stop: 40494, Start Num: 28

Candidate Starts for DosHalletts_58:

(Start: 28 @40147 has 193 MA's), (Start: 49 @40186 has 2 MA's), (51, 40195), (63, 40273), (80, 40369), (85, 40390), (94, 40435), (108, 40489),

Gene: DotProduct_51 Start: 37410, Stop: 37757, Start Num: 28

Candidate Starts for DotProduct_51:

(2, 37290), (Start: 28 @37410 has 193 MA's), (Start: 49 @37449 has 2 MA's), (58, 37488), (62, 37533), (63, 37536), (80, 37632), (84, 37650), (85, 37653), (89, 37677), (93, 37695), (94, 37698),

Gene: Doug_58 Start: 39359, Stop: 39706, Start Num: 28

Candidate Starts for Doug_58:

(Start: 28 @39359 has 193 MA's), (Start: 49 @39398 has 2 MA's), (51, 39407), (63, 39485), (80, 39581), (94, 39647), (108, 39701),

Gene: DrLupo_58 Start: 42483, Stop: 42806, Start Num: 47

Candidate Starts for DrLupo_58:

(Start: 47 @42483 has 1 MA's), (68, 42624), (73, 42648), (75, 42660), (79, 42675), (85, 42705), (87, 42720), (92, 42738),

Gene: Drago_54 Start: 37359, Stop: 37706, Start Num: 28

Candidate Starts for Drago_54:

(4, 37263), (5, 37269), (Start: 28 @37359 has 193 MA's), (Start: 49 @37398 has 2 MA's), (62, 37482), (63, 37485), (80, 37581),

Gene: EGUunicorn_41 Start: 29430, Stop: 29789, Start Num: 25

Candidate Starts for EGUunicorn_41:

(Start: 25 @29430 has 21 MA's), (39, 29460), (55, 29496), (63, 29568), (74, 29634), (76, 29646), (81, 29673), (84, 29682), (94, 29730), (106, 29778), (108, 29784),

Gene: EGole_174 Start: 96572, Stop: 96892, Start Num: 40

Candidate Starts for EGole_174:

(17, 96521), (Start: 22 @96533 has 1 MA's), (Start: 37 @96563 has 11 MA's), (Start: 40 @96572 has 48 MA's), (62, 96668), (67, 96707), (72, 96731),

Gene: Eish_60 Start: 39608, Stop: 39955, Start Num: 28

Candidate Starts for Eish_60:

(Start: 28 @39608 has 193 MA's), (Start: 49 @39647 has 2 MA's), (63, 39734), (80, 39830), (94, 39896),

Gene: EleanorGeorge_57 Start: 39477, Stop: 39821, Start Num: 29

Candidate Starts for EleanorGeorge_57:

(7, 39390), (Start: 29 @39477 has 3 MA's), (Start: 49 @39510 has 2 MA's), (91, 39750), (97, 39780), (107, 39813), (108, 39816),

Gene: Eliot67_173 Start: 93735, Stop: 94058, Start Num: 40

Candidate Starts for Eliot67_173:

(17, 93684), (Start: 22 @93696 has 1 MA's), (Start: 37 @93726 has 11 MA's), (Start: 40 @93735 has 48 MA's), (67, 93873), (70, 93888),

Gene: Elmer_188 Start: 98199, Stop: 98528, Start Num: 37

Candidate Starts for Elmer_188:

(17, 98157), (Start: 37 @98199 has 11 MA's), (Start: 40 @98208 has 48 MA's), (Start: 44 @98217 has 1 MA's), (52, 98232), (65, 98310), (67, 98340), (81, 98415),

Gene: EmiMonkey_54 Start: 40322, Stop: 40669, Start Num: 28

Candidate Starts for EmiMonkey_54:

(Start: 28 @40322 has 193 MA's), (Start: 49 @40361 has 2 MA's), (51, 40370), (63, 40448), (80, 40544), (85, 40565), (94, 40610), (108, 40664),

Gene: Emma_58 Start: 38779, Stop: 39114, Start Num: 36

Candidate Starts for Emma_58:

(Start: 36 @38779 has 24 MA's), (Start: 49 @38806 has 2 MA's), (63, 38893), (80, 38989), (85, 39010), (94, 39055), (99, 39091), (108, 39109),

Gene: Emmaloid_57 Start: 39373, Stop: 39765, Start Num: 14

Candidate Starts for Emmaloid_57:

(Start: 14 @39373 has 8 MA's), (19, 39391), (Start: 49 @39457 has 2 MA's), (63, 39544), (80, 39640), (85, 39661), (94, 39706), (99, 39742), (108, 39760),

Gene: Empress_54 Start: 38361, Stop: 38708, Start Num: 28

Candidate Starts for Empress_54:

(Start: 28 @38361 has 193 MA's), (Start: 49 @38400 has 2 MA's), (58, 38439), (62, 38484), (63, 38487), (80, 38583), (84, 38601), (85, 38604), (89, 38628), (93, 38646), (94, 38649),

Gene: Enby_57 Start: 37635, Stop: 37982, Start Num: 28

Candidate Starts for Enby_57:

(Start: 28 @37635 has 193 MA's), (Start: 49 @37674 has 2 MA's), (51, 37683), (63, 37761), (80, 37857), (85, 37878), (94, 37923), (99, 37959), (108, 37977),

Gene: EniyanLRS_14 Start: 5245, Stop: 4898, Start Num: 38

Candidate Starts for EniyanLRS_14:

(1, 5398), (2, 5389), (Start: 38 @5245 has 5 MA's), (45, 5230), (55, 5200), (57, 5185), (72, 5074), (75, 5053), (84, 5008), (91, 4966), (103, 4909),

Gene: Enygma_186 Start: 97654, Stop: 97986, Start Num: 37

Candidate Starts for Enygma_186:

(Start: 37 @97654 has 11 MA's), (Start: 53 @97690 has 20 MA's), (65, 97765),

Gene: Enzomatic_62 Start: 38465, Stop: 38812, Start Num: 28

Candidate Starts for Enzomatic_62:

(2, 38345), (5, 38375), (8, 38396), (Start: 28 @38465 has 193 MA's), (Start: 49 @38504 has 2 MA's), (62, 38588), (63, 38591), (80, 38687), (85, 38708), (94, 38753), (99, 38789), (108, 38807),

Gene: Eponine_56 Start: 38452, Stop: 38805, Start Num: 32

Candidate Starts for Eponine_56:

(Start: 32 @38452 has 23 MA's), (Start: 49 @38479 has 2 MA's), (61, 38554), (66, 38593), (74, 38641), (77, 38659), (81, 38680), (82, 38683),

Gene: Eradicator_49 Start: 36888, Stop: 37235, Start Num: 28

Candidate Starts for Eradicator_49:

(Start: 28 @36888 has 193 MA's), (Start: 49 @36927 has 2 MA's), (51, 36936), (63, 37014), (80, 37110), (85, 37131), (94, 37176), (99, 37212), (108, 37230),

Gene: Estave1_59 Start: 39812, Stop: 40159, Start Num: 28

Candidate Starts for Estave1_59:

(4, 39716), (Start: 28 @39812 has 193 MA's), (Start: 49 @39851 has 2 MA's), (62, 39935), (63, 39938), (80, 40034), (94, 40100), (108, 40154),

Gene: Evy_166 Start: 94943, Stop: 95302, Start Num: 22

Candidate Starts for Evy_166:

(17, 94931), (Start: 22 @94943 has 1 MA's), (Start: 37 @94973 has 11 MA's), (Start: 40 @94982 has 48 MA's), (62, 95078), (67, 95117),

Gene: Faiyaz_56 Start: 41875, Stop: 42264, Start Num: 35

Candidate Starts for Faiyaz_56:

(Start: 35 @41875 has 4 MA's), (Start: 49 @41902 has 2 MA's), (54, 41920), (59, 41953), (71, 42052), (86, 42127), (88, 42142), (90, 42148),

Gene: Fancypants_58 Start: 39326, Stop: 39673, Start Num: 28

Candidate Starts for Fancypants_58:

(2, 39206), (5, 39236), (8, 39257), (Start: 28 @39326 has 193 MA's), (Start: 49 @39365 has 2 MA's), (62, 39449), (63, 39452), (80, 39548), (85, 39569), (94, 39614), (99, 39650), (108, 39668),

Gene: Fastidio_56 Start: 37428, Stop: 37775, Start Num: 28

Candidate Starts for Fastidio_56:

(4, 37332), (Start: 28 @37428 has 193 MA's), (Start: 49 @37467 has 2 MA's), (63, 37554), (80, 37650), (85, 37671), (94, 37716), (99, 37752), (108, 37770),

Gene: FeliMaine_66 Start: 36964, Stop: 37302, Start Num: 43

Candidate Starts for FeliMaine_66:

(Start: 43 @36964 has 18 MA's), (66, 37090), (73, 37129), (95, 37246), (105, 37282), (108, 37291),

Gene: Filuzino_55 Start: 38069, Stop: 38404, Start Num: 36

Candidate Starts for Filuzino_55:

(Start: 36 @38069 has 24 MA's), (Start: 49 @38096 has 2 MA's), (63, 38183), (80, 38279), (85, 38300), (94, 38345), (99, 38381), (108, 38399),

Gene: Fionnbharth_54 Start: 37850, Stop: 38203, Start Num: 32

Candidate Starts for Fionnbharth_54:

(Start: 32 @37850 has 23 MA's), (Start: 42 @37874 has 1 MA's), (Start: 49 @37877 has 2 MA's), (61, 37952), (66, 37991), (74, 38039), (77, 38057), (81, 38078), (82, 38081),

Gene: Firehouse51_57 Start: 42210, Stop: 42557, Start Num: 28

Candidate Starts for Firehouse51_57:

(2, 42090), (Start: 28 @42210 has 193 MA's), (Start: 49 @42249 has 2 MA's), (58, 42288), (62, 42333), (63, 42336), (80, 42432), (84, 42450), (85, 42453), (89, 42477), (93, 42495), (94, 42498),

Gene: Flathead_57 Start: 39563, Stop: 39871, Start Num: 49

Candidate Starts for Flathead_57:

(Start: 36 @39536 has 24 MA's), (Start: 49 @39563 has 2 MA's), (63, 39650), (80, 39746), (85, 39767), (94, 39812), (99, 39848), (108, 39866),

Gene: Florinda_68 Start: 41148, Stop: 41495, Start Num: 28

Candidate Starts for Florinda_68:

(2, 41028), (8, 41079), (Start: 28 @41148 has 193 MA's), (Start: 49 @41187 has 2 MA's), (62, 41271), (63, 41274), (80, 41370), (85, 41391), (94, 41436), (108, 41490),

Gene: Frankie_60 Start: 40470, Stop: 40832, Start Num: 25

Candidate Starts for Frankie_60:

(Start: 25 @40470 has 21 MA's), (Start: 28 @40479 has 193 MA's), (Start: 32 @40485 has 23 MA's), (51, 40521), (55, 40536), (61, 40587), (63, 40608), (74, 40674), (94, 40770), (95, 40782), (106, 40821),

Gene: FreddyB_57 Start: 37540, Stop: 37887, Start Num: 28

Candidate Starts for FreddyB_57:

(4, 37444), (Start: 28 @37540 has 193 MA's), (Start: 49 @37579 has 2 MA's), (62, 37663), (63, 37666), (80, 37762), (94, 37828), (108, 37882),

Gene: FreddyDRoo_171 Start: 93735, Stop: 94058, Start Num: 40

Candidate Starts for FreddyDRoo_171:

(17, 93684), (Start: 22 @93696 has 1 MA's), (Start: 37 @93726 has 11 MA's), (Start: 40 @93735 has 48 MA's), (67, 93873), (70, 93888),

Gene: Fruitloop_54 Start: 39383, Stop: 39718, Start Num: 36

Candidate Starts for Fruitloop_54:

(Start: 36 @39383 has 24 MA's), (Start: 49 @39410 has 2 MA's), (63, 39497), (80, 39593), (85, 39614), (94, 39659), (99, 39695), (108, 39713),

Gene: GUmbie_54 Start: 38115, Stop: 38462, Start Num: 28

Candidate Starts for GUmbie_54:

(Start: 28 @38115 has 193 MA's), (Start: 49 @38154 has 2 MA's), (51, 38163), (63, 38241), (80, 38337), (85, 38358), (94, 38403), (99, 38439), (108, 38457),

Gene: Galactic_55 Start: 38581, Stop: 38928, Start Num: 28

Candidate Starts for Galactic_55:

(2, 38461), (5, 38491), (8, 38512), (Start: 28 @38581 has 193 MA's), (Start: 49 @38620 has 2 MA's), (62, 38704), (63, 38707), (80, 38803), (85, 38824), (94, 38869), (99, 38905), (108, 38923),

Gene: Gandolph_59 Start: 38933, Stop: 39283, Start Num: 28

Candidate Starts for Gandolph_59:

(Start: 28 @38933 has 193 MA's), (Start: 49 @38972 has 2 MA's), (91, 39212), (97, 39242), (107, 39275), (108, 39278),

Gene: Gattaca_62 Start: 36143, Stop: 36481, Start Num: 43

Candidate Starts for Gattaca_62:

(Start: 43 @36143 has 18 MA's), (66, 36269), (73, 36308), (95, 36425), (105, 36461), (108, 36470),

Gene: Genie2_178 Start: 94780, Stop: 95106, Start Num: 37

Candidate Starts for Genie2_178:

(16, 94732), (18, 94738), (23, 94750), (Start: 37 @94780 has 11 MA's), (Start: 40 @94789 has 48 MA's), (52, 94813), (67, 94918), (81, 94993), (93, 95044), (95, 95059),

Gene: Geralt_51 Start: 36915, Stop: 37262, Start Num: 28

Candidate Starts for Geralt_51:

(4, 36819), (Start: 28 @36915 has 193 MA's), (Start: 49 @36954 has 2 MA's), (62, 37038), (63, 37041), (80, 37137), (85, 37158), (94, 37203), (108, 37257),

Gene: Gibbi_190 Start: 95641, Stop: 95937, Start Num: 53

Candidate Starts for Gibbi_190:

(Start: 37 @95605 has 11 MA's), (Start: 53 @95641 has 20 MA's), (62, 95707), (65, 95716), (70, 95761), (75, 95791),

Gene: GigiOuiOui_52 Start: 37555, Stop: 37902, Start Num: 28

Candidate Starts for GigiOuiOui_52:

(Start: 28 @37555 has 193 MA's), (Start: 49 @37594 has 2 MA's), (51, 37603), (63, 37681), (80, 37777), (85, 37798), (94, 37843), (108, 37897),

Gene: Girafales_66 Start: 40939, Stop: 41286, Start Num: 28

Candidate Starts for Girafales_66:

(2, 40819), (5, 40849), (8, 40870), (Start: 28 @40939 has 193 MA's), (Start: 49 @40978 has 2 MA's), (62, 41062), (63, 41065), (80, 41161), (85, 41182), (94, 41227), (108, 41281),

Gene: Girr_54 Start: 38422, Stop: 38769, Start Num: 28

Candidate Starts for Girr_54:

(2, 38299), (8, 38350), (Start: 28 @38422 has 193 MA's), (Start: 49 @38461 has 2 MA's), (51, 38470), (58, 38500), (63, 38548), (80, 38644), (85, 38665), (94, 38710), (99, 38746), (108, 38764),

Gene: GoongGoong_63 Start: 35942, Stop: 36280, Start Num: 43

Candidate Starts for GoongGoong_63:

(Start: 43 @35942 has 18 MA's), (66, 36068), (73, 36107), (95, 36224), (105, 36260), (108, 36269),

Gene: Gorge_60 Start: 40057, Stop: 40404, Start Num: 28

Candidate Starts for Gorge_60:

(4, 39961), (Start: 28 @40057 has 193 MA's), (Start: 49 @40096 has 2 MA's), (62, 40180), (63, 40183), (80, 40279), (94, 40345), (108, 40399),

Gene: Grimmer_63 Start: 40217, Stop: 40564, Start Num: 28

Candidate Starts for Grimmer_63:

(Start: 28 @40217 has 193 MA's), (Start: 49 @40256 has 2 MA's), (62, 40340), (63, 40343), (80, 40439), (85, 40460), (94, 40505), (99, 40541), (108, 40559),

Gene: Guppsters_57 Start: 38245, Stop: 38592, Start Num: 28

Candidate Starts for Guppsters_57:

(Start: 28 @38245 has 193 MA's), (Start: 49 @38284 has 2 MA's), (51, 38293), (62, 38368), (63, 38371), (80, 38467), (94, 38533), (108, 38587),

Gene: Hades_57 Start: 39513, Stop: 39860, Start Num: 28

Candidate Starts for Hades_57:

(Start: 28 @39513 has 193 MA's), (Start: 49 @39552 has 2 MA's), (51, 39561), (63, 39639), (80, 39735), (85, 39756), (94, 39801), (99, 39837), (108, 39855),

Gene: Hamulus_58 Start: 39523, Stop: 39858, Start Num: 36

Candidate Starts for Hamulus_58:

(Start: 36 @39523 has 24 MA's), (Start: 49 @39550 has 2 MA's), (51, 39559), (63, 39637), (80, 39733), (85, 39754), (94, 39799), (99, 39835), (108, 39853),

Gene: Hanako_45 Start: 31703, Stop: 32065, Start Num: 24

Candidate Starts for Hanako_45:

(Start: 24 @31703 has 5 MA's), (Start: 25 @31706 has 21 MA's), (Start: 32 @31721 has 23 MA's), (Start: 49 @31748 has 2 MA's), (55, 31772), (63, 31844), (74, 31910), (84, 31958), (94, 32006), (106, 32054),

Gene: HangryHippo_171 Start: 94910, Stop: 95230, Start Num: 40

Candidate Starts for HangryHippo_171:

(17, 94859), (Start: 22 @94871 has 1 MA's), (Start: 37 @94901 has 11 MA's), (Start: 40 @94910 has 48 MA's), (62, 95006), (67, 95045), (72, 95069),

Gene: Harley_59 Start: 39484, Stop: 39822, Start Num: 36

Candidate Starts for Harley_59:

(Start: 36 @39484 has 24 MA's), (Start: 49 @39511 has 2 MA's), (91, 39751), (97, 39781), (107, 39814), (108, 39817),

Gene: Hegedechwinu_56 Start: 37727, Stop: 38074, Start Num: 28

Candidate Starts for Hegedechwinu_56:

(Start: 28 @37727 has 193 MA's), (Start: 49 @37766 has 2 MA's), (51, 37775), (63, 37853), (80, 37949), (94, 38015), (99, 38051), (108, 38069),

Gene: Hilltopfarm_55 Start: 41574, Stop: 41966, Start Num: 35

Candidate Starts for Hilltopfarm_55:

(Start: 35 @41574 has 4 MA's), (Start: 49 @41601 has 2 MA's), (54, 41619), (56, 41628), (59, 41655), (71, 41754), (86, 41829), (88, 41844), (90, 41850),

Gene: Hlubikazi_52 Start: 36733, Stop: 37080, Start Num: 28

Candidate Starts for Hlubikazi_52:

(2, 36613), (Start: 28 @36733 has 193 MA's), (Start: 49 @36772 has 2 MA's), (58, 36811), (62, 36856), (63, 36859), (80, 36955), (94, 37021),

Gene: Huphlebuff_66 Start: 36527, Stop: 36865, Start Num: 43

Candidate Starts for Huphlebuff_66:

(Start: 43 @36527 has 18 MA's), (66, 36653), (73, 36692), (95, 36809), (105, 36845), (108, 36854),

Gene: IMpilo_52 Start: 36571, Stop: 36918, Start Num: 28

Candidate Starts for IMpilo_52:

(2, 36451), (5, 36481), (8, 36502), (Start: 28 @36571 has 193 MA's), (Start: 49 @36610 has 2 MA's), (63, 36697), (80, 36793), (85, 36814), (94, 36859),

Gene: IbOuu_55 Start: 39092, Stop: 39439, Start Num: 28

Candidate Starts for IbOuu_55:

(Start: 28 @39092 has 193 MA's), (Start: 49 @39131 has 2 MA's), (51, 39140), (63, 39218), (80, 39314), (94, 39380), (99, 39416), (108, 39434),

Gene: Ibhubesi_56 Start: 38705, Stop: 39052, Start Num: 28

Candidate Starts for Ibhubesi_56:

(2, 38585), (5, 38615), (8, 38636), (Start: 28 @38705 has 193 MA's), (Start: 49 @38744 has 2 MA's), (58, 38783), (62, 38828), (63, 38831), (80, 38927), (85, 38948), (94, 38993), (99, 39029), (108, 39047),

Gene: IchabodCrane_177 Start: 94765, Stop: 95061, Start Num: 53

Candidate Starts for IchabodCrane_177:

(Start: 37 @94729 has 11 MA's), (Start: 53 @94765 has 20 MA's), (62, 94831), (65, 94840), (70, 94885), (75, 94915),

Gene: Impisi_45 Start: 31232, Stop: 31618, Start Num: 19

Candidate Starts for Impisi_45:

(19, 31232), (55, 31319), (60, 31346), (74, 31454), (87, 31523), (95, 31562), (105, 31604), (108, 31613),

Gene: Inventum_51 Start: 38209, Stop: 38556, Start Num: 28

Candidate Starts for Inventum_51:

(Start: 28 @38209 has 193 MA's), (Start: 49 @38248 has 2 MA's), (51, 38257), (63, 38335), (80, 38431), (85, 38452), (94, 38497), (99, 38533), (108, 38551),

Gene: IrishSherpFalk_57 Start: 40408, Stop: 40689, Start Num: 49

Candidate Starts for IrishSherpFalk_57:

(Start: 28 @40369 has 193 MA's), (Start: 49 @40408 has 2 MA's), (51, 40417), (63, 40495),

Gene: JF1_54 Start: 37767, Stop: 38120, Start Num: 32

Candidate Starts for JF1_54:

(Start: 32 @37767 has 23 MA's), (Start: 42 @37791 has 1 MA's), (Start: 49 @37794 has 2 MA's), (61, 37869), (66, 37908), (74, 37956), (77, 37974), (81, 37995), (82, 37998),

Gene: Jabbawokkie_70 Start: 40392, Stop: 40781, Start Num: 15

Candidate Starts for Jabbawokkie_70:

(12, 40380), (Start: 15 @40392 has 6 MA's), (21, 40410), (Start: 34 @40443 has 1 MA's), (Start: 49 @40473 has 2 MA's), (94, 40722), (97, 40740), (107, 40773), (108, 40776),

Gene: JalFarm20_69 Start: 42632, Stop: 42970, Start Num: 36

Candidate Starts for JalFarm20_69:

(Start: 36 @42632 has 24 MA's), (Start: 49 @42659 has 2 MA's), (91, 42899), (97, 42929), (107, 42962), (108, 42965),

Gene: James_60 Start: 40182, Stop: 40529, Start Num: 28

Candidate Starts for James_60:

(2, 40062), (Start: 28 @40182 has 193 MA's), (Start: 49 @40221 has 2 MA's), (62, 40305), (63, 40308), (80, 40404), (94, 40470),

Gene: Jant_60 Start: 40202, Stop: 40549, Start Num: 28

Candidate Starts for Jant_60:

(Start: 28 @40202 has 193 MA's), (Start: 49 @40241 has 2 MA's), (51, 40250), (62, 40325), (63, 40328), (80, 40424), (94, 40490), (108, 40544),

Gene: Jacob_56 Start: 38660, Stop: 39007, Start Num: 28

Candidate Starts for Jacob_56:

(4, 38564), (Start: 28 @38660 has 193 MA's), (Start: 49 @38699 has 2 MA's), (62, 38783), (63, 38786), (80, 38882), (94, 38948), (108, 39002),

Gene: Jay2Jay_178 Start: 95781, Stop: 96101, Start Num: 40

Candidate Starts for Jay2Jay_178:

(17, 95730), (Start: 22 @95742 has 1 MA's), (Start: 37 @95772 has 11 MA's), (Start: 40 @95781 has 48 MA's), (62, 95877), (67, 95916),

Gene: Jennelsea_54 Start: 37345, Stop: 37692, Start Num: 28

Candidate Starts for Jennelsea_54:

(4, 37249), (Start: 28 @37345 has 193 MA's), (Start: 49 @37384 has 2 MA's), (62, 37468), (63, 37471), (80, 37567), (94, 37633), (108, 37687),

Gene: JimJam_188 Start: 96686, Stop: 96982, Start Num: 53

Candidate Starts for JimJam_188:

(Start: 37 @96650 has 11 MA's), (Start: 53 @96686 has 20 MA's), (62, 96752), (65, 96761), (70, 96806), (75, 96836),

Gene: Jinglebell_61 Start: 41220, Stop: 41567, Start Num: 28

Candidate Starts for Jinglebell_61:

(Start: 28 @41220 has 193 MA's), (Start: 49 @41259 has 2 MA's), (58, 41298), (62, 41343), (63, 41346), (80, 41442), (85, 41463), (94, 41508),

Gene: Job42_58 Start: 40600, Stop: 40947, Start Num: 28

Candidate Starts for Job42_58:

(2, 40480), (8, 40531), (Start: 28 @40600 has 193 MA's), (Start: 49 @40639 has 2 MA's), (51, 40648), (63, 40726), (80, 40822), (94, 40888),

Gene: JoeyJr_51 Start: 37115, Stop: 37462, Start Num: 28

Candidate Starts for JoeyJr_51:

(4, 37019), (Start: 28 @37115 has 193 MA's), (Start: 49 @37154 has 2 MA's), (62, 37238), (63, 37241), (80, 37337), (85, 37358), (94, 37403), (108, 37457),

Gene: JoieB_65 Start: 36960, Stop: 37298, Start Num: 43

Candidate Starts for JoieB_65:

(Start: 43 @36960 has 18 MA's), (66, 37086), (73, 37125), (95, 37242), (105, 37278), (108, 37287),

Gene: Jollison_180 Start: 95287, Stop: 95583, Start Num: 53

Candidate Starts for Jollison_180:

(Start: 37 @95251 has 11 MA's), (Start: 53 @95287 has 20 MA's), (62, 95353), (65, 95362), (70, 95407), (75, 95437),

Gene: Journey_40 Start: 29383, Stop: 29745, Start Num: 25

Candidate Starts for Journey_40:

(Start: 25 @29383 has 21 MA's), (Start: 26 @29386 has 4 MA's), (39, 29413), (51, 29434), (55, 29449), (61, 29500), (63, 29521), (74, 29587), (94, 29683), (95, 29695), (106, 29734),

Gene: Juice456_57 Start: 40576, Stop: 40926, Start Num: 28

Candidate Starts for Juice456_57:

(3, 40456), (6, 40486), (Start: 28 @40576 has 193 MA's), (Start: 49 @40615 has 2 MA's), (91, 40855), (97, 40885), (107, 40918), (108, 40921),

Gene: Juliette_56 Start: 37923, Stop: 38273, Start Num: 32

Candidate Starts for Juliette_56:

(Start: 32 @37923 has 23 MA's), (Start: 42 @37947 has 1 MA's), (Start: 49 @37950 has 2 MA's), (61, 38025), (66, 38064), (74, 38109), (77, 38127), (81, 38148), (82, 38151),

Gene: Juniper1_54 Start: 38516, Stop: 38863, Start Num: 28

Candidate Starts for Juniper1_54:

(Start: 28 @38516 has 193 MA's), (Start: 49 @38555 has 2 MA's), (51, 38564), (63, 38642), (80, 38738), (85, 38759), (94, 38804), (99, 38840), (108, 38858),

Gene: Karhdo_53 Start: 38205, Stop: 38552, Start Num: 28

Candidate Starts for Karhdo_53:

(2, 38085), (Start: 28 @38205 has 193 MA's), (Start: 49 @38244 has 2 MA's), (62, 38328), (63, 38331), (80, 38427), (94, 38493), (108, 38547),

Gene: Karimac_182 Start: 95481, Stop: 95777, Start Num: 53

Candidate Starts for Karimac_182:

(Start: 37 @95445 has 11 MA's), (Start: 53 @95481 has 20 MA's), (65, 95556), (70, 95601), (75, 95631),

Gene: KentuckyRacer_186 Start: 96432, Stop: 96728, Start Num: 53

Candidate Starts for KentuckyRacer_186:

(Start: 37 @96396 has 11 MA's), (Start: 53 @96432 has 20 MA's), (62, 96498), (65, 96507), (70, 96552), (75, 96582),

Gene: Kenuha5_54 Start: 37650, Stop: 37985, Start Num: 36

Candidate Starts for Kenuha5_54:

(Start: 36 @37650 has 24 MA's), (Start: 49 @37677 has 2 MA's), (63, 37764), (80, 37860), (85, 37881), (94, 37926), (99, 37962), (108, 37980),

Gene: Kersh_58 Start: 40958, Stop: 41305, Start Num: 28

Candidate Starts for Kersh_58:

(2, 40838), (5, 40868), (Start: 28 @40958 has 193 MA's), (Start: 49 @40997 has 2 MA's), (58, 41036), (62, 41081), (63, 41084), (80, 41180), (94, 41246), (108, 41300),

Gene: Kimberlium_58 Start: 40279, Stop: 40626, Start Num: 28

Candidate Starts for Kimberlium_58:

(Start: 28 @40279 has 193 MA's), (Start: 49 @40318 has 2 MA's), (51, 40327), (63, 40405), (80, 40501), (85, 40522), (94, 40567), (108, 40621),

Gene: KingJulian_56 Start: 37743, Stop: 38078, Start Num: 36

Candidate Starts for KingJulian_56:

(Start: 36 @37743 has 24 MA's), (Start: 49 @37770 has 2 MA's), (51, 37779), (63, 37857), (80, 37953), (85, 37974), (94, 38019), (99, 38055), (108, 38073),

Gene: KingMidas_55 Start: 38777, Stop: 39124, Start Num: 28

Candidate Starts for KingMidas_55:

(4, 38681), (Start: 28 @38777 has 193 MA's), (Start: 49 @38816 has 2 MA's), (62, 38900), (63, 38903), (80, 38999), (85, 39020), (94, 39065), (108, 39119),

Gene: Kingsley_53 Start: 37622, Stop: 37969, Start Num: 28

Candidate Starts for Kingsley_53:

(Start: 28 @37622 has 193 MA's), (Start: 49 @37661 has 2 MA's), (58, 37700), (62, 37745), (63, 37748), (80, 37844), (94, 37910),

Gene: Koella_50 Start: 34590, Stop: 34937, Start Num: 28

Candidate Starts for Koella_50:

(4, 34494), (Start: 28 @34590 has 193 MA's), (Start: 49 @34629 has 2 MA's), (62, 34713), (63, 34716), (80, 34812), (94, 34878), (108, 34932),

Gene: Krakatau_54 Start: 38333, Stop: 38674, Start Num: 31

Candidate Starts for Krakatau_54:

(Start: 31 @38333 has 3 MA's), (Start: 36 @38339 has 24 MA's), (Start: 49 @38366 has 2 MA's), (63, 38453), (80, 38549), (85, 38570), (94, 38615), (99, 38651), (108, 38669),

Gene: Kraw_54 Start: 37611, Stop: 37961, Start Num: 32

Candidate Starts for Kraw_54:

(Start: 32 @37611 has 23 MA's), (Start: 42 @37635 has 1 MA's), (Start: 49 @37638 has 2 MA's), (61, 37713), (66, 37752), (74, 37797), (77, 37815), (81, 37836), (82, 37839),

Gene: KristaRAM_59 Start: 41162, Stop: 41509, Start Num: 28

Candidate Starts for KristaRAM_59:

(2, 41042), (Start: 28 @41162 has 193 MA's), (Start: 49 @41201 has 2 MA's), (58, 41240), (62, 41285), (63, 41288), (80, 41384), (85, 41405), (94, 41450), (99, 41486), (108, 41504),

Gene: Larnav_172 Start: 95529, Stop: 95849, Start Num: 40

Candidate Starts for Larnav_172:

(17, 95478), (Start: 22 @95490 has 1 MA's), (Start: 37 @95520 has 11 MA's), (Start: 40 @95529 has 48 MA's), (62, 95625), (67, 95664), (72, 95688),

Gene: LastJedi_50 Start: 35910, Stop: 36257, Start Num: 28

Candidate Starts for LastJedi_50:

(4, 35814), (Start: 28 @35910 has 193 MA's), (Start: 49 @35949 has 2 MA's), (62, 36033), (63, 36036), (80, 36132), (94, 36198), (108, 36252),

Gene: Latretium_58 Start: 39236, Stop: 39583, Start Num: 28

Candidate Starts for Latretium_58:

(Start: 28 @39236 has 193 MA's), (Start: 49 @39275 has 2 MA's), (62, 39359), (63, 39362), (80, 39458), (85, 39479), (94, 39524), (99, 39560), (108, 39578),

Gene: Lebo14_53 Start: 37875, Stop: 38228, Start Num: 32

Candidate Starts for Lebo14_53:

(Start: 32 @37875 has 23 MA's), (Start: 42 @37899 has 1 MA's), (Start: 49 @37902 has 2 MA's), (61, 37977), (66, 38016), (74, 38064), (77, 38082), (81, 38103), (82, 38106),

Gene: Leo04_173 Start: 95410, Stop: 95730, Start Num: 40

Candidate Starts for Leo04_173:

(17, 95359), (Start: 22 @95371 has 1 MA's), (Start: 37 @95401 has 11 MA's), (Start: 40 @95410 has 48 MA's), (62, 95506), (67, 95545), (72, 95569),

Gene: Leozinho_55 Start: 37995, Stop: 38342, Start Num: 28

Candidate Starts for Leozinho_55:

(2, 37872), (8, 37923), (Start: 28 @37995 has 193 MA's), (Start: 49 @38034 has 2 MA's), (51, 38043), (63, 38121), (80, 38217), (85, 38238), (94, 38283), (108, 38337),

Gene: Leperchaun_48 Start: 36345, Stop: 36692, Start Num: 28

Candidate Starts for Leperchaun_48:

(4, 36249), (Start: 28 @36345 has 193 MA's), (Start: 49 @36384 has 2 MA's), (62, 36468), (63, 36471), (80, 36567), (85, 36588), (94, 36633), (108, 36687),

Gene: Liandry_172 Start: 94442, Stop: 94765, Start Num: 40

Candidate Starts for Liandry_172:

(17, 94391), (Start: 22 @94403 has 1 MA's), (Start: 37 @94433 has 11 MA's), (Start: 40 @94442 has 48 MA's), (67, 94580), (70, 94595),

Gene: LilMartin_169 Start: 93455, Stop: 93775, Start Num: 40

Candidate Starts for LilMartin_169:

(Start: 37 @93446 has 11 MA's), (Start: 40 @93455 has 48 MA's), (65, 93560), (67, 93590), (72, 93614), (87, 93692),

Gene: LilMoolah_54 Start: 38105, Stop: 38452, Start Num: 28

Candidate Starts for LilMoolah_54:

(2, 37985), (8, 38036), (Start: 28 @38105 has 193 MA's), (Start: 49 @38144 has 2 MA's), (63, 38231), (80, 38327), (94, 38393),

Gene: LilSaint_167 Start: 92888, Stop: 93208, Start Num: 40

Candidate Starts for LilSaint_167:

(Start: 37 @92879 has 11 MA's), (Start: 40 @92888 has 48 MA's), (67, 93023),

Gene: LilSpotty_55 Start: 36520, Stop: 36927, Start Num: 13

Candidate Starts for LilSpotty_55:

(Start: 13 @36520 has 1 MA's), (Start: 25 @36565 has 21 MA's), (51, 36616), (55, 36631), (62, 36700), (63, 36703), (74, 36769), (94, 36865), (95, 36877), (106, 36916),

Gene: LittleShirley_55 Start: 39149, Stop: 39496, Start Num: 28

Candidate Starts for LittleShirley_55:

(2, 39029), (5, 39059), (Start: 28 @39149 has 193 MA's), (Start: 49 @39188 has 2 MA's), (62, 39272), (63, 39275), (80, 39371), (94, 39437),

Gene: Lizziana_62 Start: 39663, Stop: 40010, Start Num: 28

Candidate Starts for Lizziana_62:

(4, 39567), (Start: 28 @39663 has 193 MA's), (Start: 49 @39702 has 2 MA's), (62, 39786), (63, 39789), (80, 39885), (94, 39951), (108, 40005),

Gene: Llama_61 Start: 41074, Stop: 41421, Start Num: 28

Candidate Starts for Llama_61:

(Start: 28 @41074 has 193 MA's), (Start: 49 @41113 has 2 MA's), (58, 41152), (62, 41197), (63, 41200), (80, 41296), (85, 41317), (94, 41362),

Gene: Llij_52 Start: 37513, Stop: 37860, Start Num: 28

Candidate Starts for Llij_52:

(4, 37417), (5, 37423), (Start: 28 @37513 has 193 MA's), (Start: 49 @37552 has 2 MA's), (62, 37636), (63, 37639), (80, 37735),

Gene: LordVader_48 Start: 33831, Stop: 34193, Start Num: 25

Candidate Starts for LordVader_48:

(Start: 24 @33828 has 5 MA's), (Start: 25 @33831 has 21 MA's), (Start: 28 @33840 has 193 MA's), (Start: 32 @33846 has 23 MA's), (51, 33882), (55, 33897), (61, 33948), (63, 33969), (74, 34035), (94, 34131), (95, 34143), (106, 34182),

Gene: Lorde_56 Start: 36800, Stop: 37147, Start Num: 28

Candidate Starts for Lorde_56:

(4, 36704), (5, 36710), (Start: 28 @36800 has 193 MA's), (Start: 49 @36839 has 2 MA's), (62, 36923), (63, 36926), (80, 37022),

Gene: Lucia_55 Start: 37657, Stop: 38004, Start Num: 28

Candidate Starts for Lucia_55:

(4, 37561), (5, 37567), (Start: 28 @37657 has 193 MA's), (Start: 49 @37696 has 2 MA's), (62, 37780), (63, 37783), (80, 37879),

Gene: LukeCage_181 Start: 96206, Stop: 96538, Start Num: 37

Candidate Starts for LukeCage_181:

(Start: 37 @96206 has 11 MA's), (Start: 53 @96242 has 20 MA's), (65, 96317), (67, 96347), (70, 96362),

Gene: Lululemon_171 Start: 94282, Stop: 94611, Start Num: 37

Candidate Starts for Lululemon_171:

(17, 94240), (Start: 22 @94252 has 1 MA's), (Start: 37 @94282 has 11 MA's), (Start: 40 @94291 has 48 MA's), (62, 94387), (67, 94426), (72, 94450),

Gene: LunaBlu_58 Start: 39240, Stop: 39587, Start Num: 28

Candidate Starts for LunaBlu_58:

(2, 39120), (5, 39150), (8, 39171), (Start: 28 @39240 has 193 MA's), (Start: 49 @39279 has 2 MA's), (62, 39363), (63, 39366), (80, 39462), (85, 39483), (94, 39528), (99, 39564), (108, 39582),

Gene: LunaStella_54 Start: 37871, Stop: 38221, Start Num: 28

Candidate Starts for LunaStella_54:

(Start: 28 @37871 has 193 MA's), (Start: 49 @37910 has 2 MA's), (97, 38180), (107, 38213), (108, 38216),

Gene: MadMen_54 Start: 38437, Stop: 38784, Start Num: 28

Candidate Starts for MadMen_54:

(4, 38341), (5, 38347), (Start: 28 @38437 has 193 MA's), (Start: 49 @38476 has 2 MA's), (58, 38515), (62, 38560), (63, 38563), (80, 38659), (94, 38725), (108, 38779),

Gene: Madiba_54 Start: 37686, Stop: 38033, Start Num: 28

Candidate Starts for Madiba_54:

(2, 37566), (5, 37596), (Start: 28 @37686 has 193 MA's), (Start: 49 @37725 has 2 MA's), (58, 37764), (62, 37809), (63, 37812), (80, 37908), (94, 37974),

Gene: Mahavrat_54 Start: 38065, Stop: 38412, Start Num: 28

Candidate Starts for Mahavrat_54:

(Start: 28 @38065 has 193 MA's), (62, 38188), (63, 38191), (80, 38287), (85, 38308), (94, 38353), (99, 38389), (108, 38407),

Gene: Malthus_55 Start: 37611, Stop: 37961, Start Num: 32

Candidate Starts for Malthus_55:

(Start: 32 @37611 has 23 MA's), (Start: 42 @37635 has 1 MA's), (Start: 49 @37638 has 2 MA's), (61, 37713), (66, 37752), (74, 37797), (77, 37815), (81, 37836), (82, 37839),

Gene: Mandlovu_52 Start: 36675, Stop: 37022, Start Num: 28

Candidate Starts for Mandlovu_52:

(2, 36555), (Start: 28 @36675 has 193 MA's), (Start: 49 @36714 has 2 MA's), (58, 36753), (62, 36798), (63, 36801), (80, 36897), (94, 36963),

Gene: Mantra_52 Start: 37558, Stop: 37905, Start Num: 28

Candidate Starts for Mantra_52:

(Start: 28 @37558 has 193 MA's), (Start: 49 @37597 has 2 MA's), (63, 37684), (80, 37780), (85, 37801), (94, 37846), (108, 37900),

Gene: Maravista_57 Start: 40112, Stop: 40459, Start Num: 28

Candidate Starts for Maravista_57:

(Start: 28 @40112 has 193 MA's), (Start: 49 @40151 has 2 MA's), (62, 40235), (63, 40238), (80, 40334), (94, 40400), (108, 40454),

Gene: Marker_58 Start: 38786, Stop: 39127, Start Num: 31

Candidate Starts for Marker_58:

(Start: 31 @38786 has 3 MA's), (Start: 36 @38792 has 24 MA's), (Start: 49 @38819 has 2 MA's), (58, 38858), (62, 38903), (63, 38906), (80, 39002), (85, 39023), (94, 39068), (99, 39104), (108, 39122),

Gene: Marsus_172 Start: 94098, Stop: 94418, Start Num: 40

Candidate Starts for Marsus_172:

(Start: 37 @94089 has 11 MA's), (Start: 40 @94098 has 48 MA's), (62, 94194), (65, 94203), (67, 94233), (72, 94257),

Gene: Martik_56 Start: 38616, Stop: 38963, Start Num: 28

Candidate Starts for Martik_56:

(4, 38520), (Start: 28 @38616 has 193 MA's), (Start: 49 @38655 has 2 MA's), (62, 38739), (63, 38742), (80, 38838), (94, 38904), (108, 38958),

Gene: Marvin_60 Start: 36210, Stop: 36548, Start Num: 43

Candidate Starts for Marvin_60:

(Start: 43 @36210 has 18 MA's), (66, 36336), (73, 36375), (95, 36492), (105, 36528), (108, 36537),

Gene: MaryV_17 Start: 5511, Stop: 5164, Start Num: 38

Candidate Starts for MaryV_17:

(1, 5664), (2, 5655), (Start: 38 @5511 has 5 MA's), (45, 5496), (55, 5466), (57, 5451), (72, 5340), (75, 5319), (84, 5274), (91, 5232), (103, 5175),

Gene: Mattes_60 Start: 40182, Stop: 40529, Start Num: 28

Candidate Starts for Mattes_60:

(2, 40062), (8, 40113), (Start: 28 @40182 has 193 MA's), (Start: 49 @40221 has 2 MA's), (51, 40230), (63, 40308), (80, 40404), (94, 40470), (108, 40524),

Gene: Medindi_53 Start: 36409, Stop: 36756, Start Num: 28

Candidate Starts for Medindi_53:

(Start: 28 @36409 has 193 MA's), (Start: 49 @36448 has 2 MA's), (63, 36535), (80, 36631), (85, 36652), (94, 36697), (99, 36733), (108, 36751),

Gene: Melissauren88_55 Start: 38564, Stop: 38899, Start Num: 36

Candidate Starts for Melissauren88_55:

(Start: 36 @38564 has 24 MA's), (Start: 49 @38591 has 2 MA's), (63, 38678), (80, 38774), (85, 38795), (94, 38840), (99, 38876), (108, 38894),

Gene: MilanaBonita_47 Start: 35145, Stop: 35492, Start Num: 28

Candidate Starts for MilanaBonita_47:

(Start: 28 @35145 has 193 MA's), (Start: 49 @35184 has 2 MA's), (51, 35193), (63, 35271), (80, 35367), (85, 35388), (94, 35433), (99, 35469),

Gene: Mildred21_180 Start: 93826, Stop: 94146, Start Num: 40

Candidate Starts for Mildred21_180:

(17, 93775), (Start: 22 @93787 has 1 MA's), (Start: 37 @93817 has 11 MA's), (Start: 40 @93826 has 48 MA's), (65, 93931), (67, 93961),

Gene: MilleniumForce_60 Start: 41234, Stop: 41581, Start Num: 28

Candidate Starts for MilleniumForce_60:

(Start: 28 @41234 has 193 MA's), (Start: 49 @41273 has 2 MA's), (51, 41282), (63, 41360), (80, 41456), (94, 41522), (108, 41576),

Gene: MindFlayer_176 Start: 94636, Stop: 94968, Start Num: 37

Candidate Starts for MindFlayer_176:

(Start: 37 @94636 has 11 MA's), (Start: 53 @94672 has 20 MA's), (62, 94738), (65, 94747), (70, 94792), (75, 94822),

Gene: MinionDave_55 Start: 38963, Stop: 39310, Start Num: 28

Candidate Starts for MinionDave_55:

(Start: 28 @38963 has 193 MA's), (Start: 49 @39002 has 2 MA's), (51, 39011), (63, 39089), (80, 39185), (85, 39206), (94, 39251), (99, 39287), (108, 39305),

Gene: Minnie_60 Start: 40536, Stop: 40883, Start Num: 28

Candidate Starts for Minnie_60:

(Start: 28 @40536 has 193 MA's), (Start: 49 @40575 has 2 MA's), (51, 40584), (63, 40662), (80, 40758), (94, 40824), (108, 40878),

Gene: Misha28_53 Start: 37256, Stop: 37618, Start Num: 25

Candidate Starts for Misha28_53:

(Start: 25 @37256 has 21 MA's), (Start: 26 @37259 has 4 MA's), (39, 37286), (51, 37307), (55, 37322), (61, 37373), (63, 37394), (74, 37460), (94, 37556), (95, 37568), (106, 37607),

Gene: MissDaisy_52 Start: 37140, Stop: 37493, Start Num: 32

Candidate Starts for MissDaisy_52:

(Start: 32 @37140 has 23 MA's), (Start: 42 @37164 has 1 MA's), (Start: 49 @37167 has 2 MA's), (61, 37242), (66, 37281),

Gene: MisterCuddles_54 Start: 38422, Stop: 38769, Start Num: 28

Candidate Starts for MisterCuddles_54:

(2, 38299), (8, 38350), (Start: 28 @38422 has 193 MA's), (Start: 49 @38461 has 2 MA's), (51, 38470), (58, 38500), (63, 38548), (80, 38644), (85, 38665), (94, 38710), (99, 38746), (108, 38764),

Gene: Mitti_54 Start: 37787, Stop: 38140, Start Num: 32

Candidate Starts for Mitti_54:

(Start: 32 @37787 has 23 MA's), (Start: 42 @37811 has 1 MA's), (Start: 49 @37814 has 2 MA's), (61, 37889), (66, 37928), (74, 37976), (77, 37994), (81, 38015), (82, 38018),

Gene: Modragons_60 Start: 41064, Stop: 41411, Start Num: 28

Candidate Starts for Modragons_60:

(Start: 28 @41064 has 193 MA's), (Start: 49 @41103 has 2 MA's), (58, 41142), (62, 41187), (63, 41190), (80, 41286), (85, 41307), (94, 41352),

Gene: MooMoo_52 Start: 37750, Stop: 38121, Start Num: 20

Candidate Starts for MooMoo_52:

(Start: 20 @37750 has 1 MA's), (51, 37816), (55, 37831), (74, 37969), (79, 37993), (83, 38014), (89, 38044), (97, 38083), (100, 38101), (102, 38104), (106, 38110),

Gene: Moonbeam_55 Start: 38708, Stop: 39043, Start Num: 36

Candidate Starts for Moonbeam_55:

(Start: 36 @38708 has 24 MA's), (Start: 49 @38735 has 2 MA's), (63, 38822), (80, 38918), (85, 38939), (94, 38984), (99, 39020), (108, 39038),

Gene: MosMoris_61 Start: 36143, Stop: 36481, Start Num: 43

Candidate Starts for MosMoris_61:

(Start: 43 @36143 has 18 MA's), (66, 36269), (73, 36308), (95, 36425), (105, 36461), (108, 36470),

Gene: Mova_57 Start: 38190, Stop: 38537, Start Num: 28

Candidate Starts for Mova_57:

(Start: 28 @38190 has 193 MA's), (Start: 49 @38229 has 2 MA's), (51, 38238), (63, 38316), (80, 38412), (94, 38478), (108, 38532),

Gene: Mozy_65 Start: 41197, Stop: 41544, Start Num: 28

Candidate Starts for Mozy_65:

(Start: 28 @41197 has 193 MA's), (Start: 49 @41236 has 2 MA's), (63, 41323), (80, 41419), (85, 41440), (94, 41485), (108, 41539),

Gene: Ms6_52 Start: 34295, Stop: 34630, Start Num: 36

Candidate Starts for Ms6_52:

(Start: 36 @34295 has 24 MA's), (Start: 49 @34322 has 2 MA's), (51, 34331), (63, 34409), (80, 34505), (85, 34526), (94, 34571), (99, 34607), (108, 34625),

Gene: Mugiwara_183 Start: 96069, Stop: 96365, Start Num: 53

Candidate Starts for Mugiwara_183:

(Start: 37 @96033 has 11 MA's), (Start: 53 @96069 has 20 MA's), (65, 96144), (67, 96174), (82, 96252),

Gene: MulchExplorer_58 Start: 40278, Stop: 40625, Start Num: 28

Candidate Starts for MulchExplorer_58:

(Start: 28 @40278 has 193 MA's), (Start: 49 @40317 has 2 MA's), (51, 40326), (63, 40404), (80, 40500), (85, 40521), (94, 40566), (108, 40620),

Gene: MulchMansion_170 Start: 94098, Stop: 94418, Start Num: 40

Candidate Starts for MulchMansion_170:

(Start: 37 @94089 has 11 MA's), (Start: 40 @94098 has 48 MA's), (65, 94203), (67, 94233), (72, 94257), (87, 94335),

Gene: MulchSalad_54 Start: 36454, Stop: 36801, Start Num: 32

Candidate Starts for MulchSalad_54:

(Start: 25 @36439 has 21 MA's), (Start: 28 @36448 has 193 MA's), (Start: 32 @36454 has 23 MA's), (51, 36490), (55, 36505), (61, 36556), (63, 36577), (74, 36643), (94, 36739), (95, 36751), (106, 36790),

Gene: Mutaforma13_60 Start: 41520, Stop: 41867, Start Num: 28

Candidate Starts for Mutaforma13_60:

(2, 41400), (Start: 28 @41520 has 193 MA's), (Start: 49 @41559 has 2 MA's), (58, 41598), (62, 41643), (63, 41646), (80, 41742), (84, 41760), (85, 41763), (89, 41787), (93, 41805), (94, 41808),

Gene: Mwanjiwa_62 Start: 39297, Stop: 39644, Start Num: 28

Candidate Starts for Mwanjiwa_62:

(Start: 28 @39297 has 193 MA's), (Start: 49 @39336 has 2 MA's), (51, 39345), (63, 39423), (80, 39519), (85, 39540), (94, 39585), (99, 39621), (108, 39639),

Gene: Navo_170 Start: 94140, Stop: 94463, Start Num: 40

Candidate Starts for Navo_170:

(17, 94089), (Start: 22 @94101 has 1 MA's), (Start: 37 @94131 has 11 MA's), (Start: 40 @94140 has 48 MA's), (Start: 44 @94149 has 1 MA's), (67, 94278), (70, 94293),

Gene: Nenae_45 Start: 31706, Stop: 32068, Start Num: 24

Candidate Starts for Nenae_45:

(Start: 24 @31706 has 5 MA's), (Start: 25 @31709 has 21 MA's), (Start: 32 @31724 has 23 MA's), (Start: 49 @31751 has 2 MA's), (55, 31775), (63, 31847), (74, 31913), (84, 31961), (94, 32009), (106, 32057),

Gene: NewHope4_57 Start: 38611, Stop: 38958, Start Num: 28

Candidate Starts for NewHope4_57:

(2, 38491), (5, 38521), (8, 38542), (Start: 28 @38611 has 193 MA's), (Start: 49 @38650 has 2 MA's), (62, 38734), (63, 38737), (80, 38833), (85, 38854), (94, 38899), (99, 38935), (108, 38953),

Gene: Nichirin_61 Start: 42096, Stop: 42455, Start Num: 25

Candidate Starts for Nichirin_61:

(Start: 25 @42096 has 21 MA's), (Start: 28 @42105 has 193 MA's), (Start: 32 @42111 has 23 MA's), (55, 42162), (63, 42234), (74, 42300), (76, 42312), (81, 42339), (84, 42348), (94, 42396), (106, 42444),

Gene: Nimbo_50 Start: 36918, Stop: 37265, Start Num: 28

Candidate Starts for Nimbo_50:

(4, 36822), (Start: 28 @36918 has 193 MA's), (Start: 49 @36957 has 2 MA's), (62, 37041), (63, 37044), (80, 37140), (85, 37161), (94, 37206), (108, 37260),

Gene: Nitzel_54 Start: 37977, Stop: 38318, Start Num: 30

Candidate Starts for Nitzel_54:

(Start: 30 @37977 has 2 MA's), (Start: 49 @38010 has 2 MA's), (58, 38049), (62, 38094), (63, 38097), (80, 38193), (94, 38259), (108, 38313),

Gene: Nivrat_52 Start: 37978, Stop: 38325, Start Num: 28

Candidate Starts for Nivrat_52:

(2, 37858), (8, 37909), (Start: 28 @37978 has 193 MA's), (Start: 49 @38017 has 2 MA's), (63, 38104), (80, 38200), (94, 38266),

Gene: NootNoot_169 Start: 93493, Stop: 93825, Start Num: 37

Candidate Starts for NootNoot_169:

(17, 93451), (Start: 22 @93463 has 1 MA's), (Start: 37 @93493 has 11 MA's), (Start: 40 @93502 has 48 MA's), (Start: 44 @93511 has 1 MA's), (67, 93640), (70, 93655),

Gene: NormanBulbieJr_56 Start: 38603, Stop: 38950, Start Num: 28

Candidate Starts for NormanBulbieJr_56:

(4, 38507), (Start: 28 @38603 has 193 MA's), (Start: 49 @38642 has 2 MA's), (62, 38726), (63, 38729), (80, 38825), (94, 38891), (108, 38945),

Gene: Ochi17_59 Start: 40671, Stop: 41018, Start Num: 28

Candidate Starts for Ochi17_59:

(Start: 28 @40671 has 193 MA's), (Start: 49 @40710 has 2 MA's), (58, 40749), (62, 40794), (63, 40797), (80, 40893), (85, 40914), (94, 40959),

Gene: OfUltron_61 Start: 41220, Stop: 41567, Start Num: 28

Candidate Starts for OfUltron_61:

(Start: 28 @41220 has 193 MA's), (Start: 49 @41259 has 2 MA's), (58, 41298), (62, 41343), (63, 41346), (80, 41442), (85, 41463), (94, 41508),

Gene: Ogopogo_62 Start: 39554, Stop: 39889, Start Num: 36

Candidate Starts for Ogopogo_62:

(Start: 36 @39554 has 24 MA's), (Start: 49 @39581 has 2 MA's), (63, 39668), (80, 39764), (85, 39785), (94, 39830), (99, 39866), (108, 39884),

Gene: Okabe_52 Start: 35477, Stop: 35812, Start Num: 36

Candidate Starts for Okabe_52:

(Start: 36 @35477 has 24 MA's), (Start: 49 @35504 has 2 MA's), (63, 35591), (80, 35687), (85, 35708), (94, 35753), (99, 35789), (108, 35807),

Gene: Oksu_62 Start: 41483, Stop: 41830, Start Num: 28

Candidate Starts for Oksu_62:

(Start: 28 @41483 has 193 MA's), (Start: 49 @41522 has 2 MA's), (58, 41561), (62, 41606), (63, 41609), (80, 41705), (85, 41726), (94, 41771),

Gene: OldBen_53 Start: 38528, Stop: 38875, Start Num: 28

Candidate Starts for OldBen_53:

(Start: 28 @38528 has 193 MA's), (Start: 49 @38567 has 2 MA's), (58, 38606), (62, 38651), (63, 38654), (80, 38750), (85, 38771), (94, 38816), (108, 38870),

Gene: OlympiaSaint_58 Start: 39124, Stop: 39471, Start Num: 28

Candidate Starts for OlympiaSaint_58:

(4, 39028), (Start: 28 @39124 has 193 MA's), (Start: 49 @39163 has 2 MA's), (62, 39247), (63, 39250), (80, 39346), (94, 39412), (108, 39466),

Gene: OmniCritical_53 Start: 37596, Stop: 37949, Start Num: 32

Candidate Starts for OmniCritical_53:

(Start: 32 @37596 has 23 MA's), (Start: 42 @37620 has 1 MA's), (Start: 49 @37623 has 2 MA's), (61, 37698), (66, 37737), (74, 37785), (77, 37803), (81, 37824), (82, 37827),

Gene: Ovechkin_55 Start: 39124, Stop: 39471, Start Num: 28

Candidate Starts for Ovechkin_55:

(Start: 28 @39124 has 193 MA's), (Start: 49 @39163 has 2 MA's), (58, 39202), (62, 39247), (63, 39250), (80, 39346), (94, 39412), (108, 39466),

Gene: OwlsT2W_56 Start: 38846, Stop: 39193, Start Num: 28

Candidate Starts for OwlsT2W_56:

(Start: 28 @38846 has 193 MA's), (Start: 49 @38885 has 2 MA's), (51, 38894), (63, 38972), (80, 39068), (85, 39089), (94, 39134), (99, 39170), (108, 39188),

Gene: PHappiness_51 Start: 36891, Stop: 37238, Start Num: 28

Candidate Starts for PHappiness_51:

(4, 36795), (Start: 28 @36891 has 193 MA's), (Start: 49 @36930 has 2 MA's), (62, 37014), (63, 37017), (80, 37113), (85, 37134), (94, 37179), (108, 37233),

Gene: PMC_53 Start: 39230, Stop: 39577, Start Num: 28

Candidate Starts for PMC_53:

(4, 39134), (Start: 28 @39230 has 193 MA's), (Start: 49 @39269 has 2 MA's), (62, 39353), (63, 39356), (80, 39452), (85, 39473), (94, 39518), (108, 39572),

Gene: PacManQ_171 Start: 94282, Stop: 94611, Start Num: 37

Candidate Starts for PacManQ_171:

(17, 94240), (Start: 22 @94252 has 1 MA's), (Start: 37 @94282 has 11 MA's), (Start: 40 @94291 has 48 MA's), (62, 94387), (67, 94426), (72, 94450),

Gene: Pacc40_50 Start: 36965, Stop: 37312, Start Num: 28

Candidate Starts for Pacc40_50:

(4, 36869), (Start: 28 @36965 has 193 MA's), (Start: 49 @37004 has 2 MA's), (62, 37088), (63, 37091), (80, 37187), (85, 37208), (94, 37253), (108, 37307),

Gene: Paradiddles_166 Start: 95805, Stop: 96128, Start Num: 40

Candidate Starts for Paradiddles_166:

(17, 95754), (Start: 22 @95766 has 1 MA's), (Start: 37 @95796 has 11 MA's), (Start: 40 @95805 has 48 MA's), (Start: 44 @95814 has 1 MA's), (67, 95943), (70, 95958),

Gene: PatoPoderoso_53 Start: 37743, Stop: 38078, Start Num: 36

Candidate Starts for PatoPoderoso_53:

(Start: 36 @37743 has 24 MA's), (Start: 49 @37770 has 2 MA's), (51, 37779), (63, 37857), (80, 37953), (85, 37974), (94, 38019), (99, 38055), (108, 38073),

Gene: Patt_51 Start: 36864, Stop: 37217, Start Num: 32

Candidate Starts for Patt_51:

(Start: 32 @36864 has 23 MA's), (Start: 42 @36888 has 1 MA's), (Start: 49 @36891 has 2 MA's), (61, 36966), (66, 37005), (82, 37095),

Gene: Peebs_170 Start: 95232, Stop: 95552, Start Num: 40

Candidate Starts for Peebs_170:

(17, 95181), (Start: 22 @95193 has 1 MA's), (Start: 37 @95223 has 11 MA's), (Start: 40 @95232 has 48 MA's), (62, 95328), (67, 95367), (72, 95391),

Gene: Pepperwood_171 Start: 95176, Stop: 95496, Start Num: 40

Candidate Starts for Pepperwood_171:

(17, 95125), (Start: 22 @95137 has 1 MA's), (Start: 37 @95167 has 11 MA's), (Start: 40 @95176 has 48 MA's), (62, 95272), (67, 95311), (72, 95335),

Gene: Peridot_57 Start: 38068, Stop: 38415, Start Num: 28

Candidate Starts for Peridot_57:

(2, 37948), (5, 37978), (8, 37999), (Start: 28 @38068 has 193 MA's), (Start: 49 @38107 has 2 MA's), (62, 38191), (63, 38194), (80, 38290), (94, 38356),

Gene: Persimmon_173 Start: 93674, Stop: 93997, Start Num: 40

Candidate Starts for Persimmon_173:

(17, 93623), (Start: 22 @93635 has 1 MA's), (Start: 37 @93665 has 11 MA's), (Start: 40 @93674 has 48 MA's), (65, 93782), (67, 93812), (70, 93827), (72, 93836),

Gene: Phalconet_55 Start: 37835, Stop: 38170, Start Num: 36

Candidate Starts for Phalconet_55:

(Start: 36 @37835 has 24 MA's), (Start: 49 @37862 has 2 MA's), (63, 37949), (80, 38045), (85, 38066), (94, 38111), (99, 38147), (108, 38165),

Gene: PhancyPhin_45 Start: 31700, Stop: 32062, Start Num: 24

Candidate Starts for PhancyPhin_45:

(Start: 24 @31700 has 5 MA's), (Start: 25 @31703 has 21 MA's), (Start: 32 @31718 has 23 MA's), (Start: 49 @31745 has 2 MA's), (55, 31769), (63, 31841), (74, 31907), (84, 31955), (94, 32003), (106, 32051),

Gene: Phanphagia_54 Start: 39414, Stop: 39761, Start Num: 28

Candidate Starts for Phanphagia_54:

(Start: 28 @39414 has 193 MA's), (Start: 49 @39453 has 2 MA's), (51, 39462), (63, 39540), (80, 39636), (85, 39657), (94, 39702), (99, 39738),

Gene: Phasih_54 Start: 39031, Stop: 39381, Start Num: 28

Candidate Starts for Phasih_54:

(4, 38935), (Start: 28 @39031 has 193 MA's), (Start: 49 @39070 has 2 MA's), (58, 39109), (62, 39154), (63, 39157), (80, 39253), (84, 39271), (85, 39274), (89, 39298), (93, 39316), (94, 39319), (108, 39373), (109, 39376),

Gene: Phatniss_54 Start: 38608, Stop: 38955, Start Num: 28

Candidate Starts for Phatniss_54:

(4, 38512), (5, 38518), (Start: 28 @38608 has 193 MA's), (Start: 49 @38647 has 2 MA's), (62, 38731), (63, 38734), (80, 38830),

Gene: PhesterPhotato_57 Start: 38640, Stop: 38987, Start Num: 28

Candidate Starts for PhesterPhotato_57:

(Start: 28 @38640 has 193 MA's), (Start: 49 @38679 has 2 MA's), (51, 38688), (63, 38766), (80, 38862), (85, 38883), (94, 38928), (99, 38964), (108, 38982),

Gene: Philus_59 Start: 39768, Stop: 40115, Start Num: 28

Candidate Starts for Philus_59:

(2, 39648), (5, 39678), (Start: 28 @39768 has 193 MA's), (Start: 49 @39807 has 2 MA's), (51, 39816), (62, 39891), (63, 39894), (80, 39990), (94, 40056),

Gene: PhlipPhlop_56 Start: 40322, Stop: 40669, Start Num: 28

Candidate Starts for PhlipPhlop_56:

(Start: 28 @40322 has 193 MA's), (Start: 49 @40361 has 2 MA's), (51, 40370), (63, 40448), (80, 40544), (85, 40565), (94, 40610), (108, 40664),

Gene: PinkiePie_170 Start: 94442, Stop: 94765, Start Num: 40

Candidate Starts for PinkiePie_170:

(17, 94391), (Start: 22 @94403 has 1 MA's), (Start: 37 @94433 has 11 MA's), (Start: 40 @94442 has 48 MA's), (67, 94580), (70, 94595),

Gene: Piper2020_55 Start: 37972, Stop: 38334, Start Num: 25

Candidate Starts for Piper2020_55:

(Start: 25 @37972 has 21 MA's), (Start: 26 @37975 has 4 MA's), (39, 38002), (51, 38023), (55, 38038), (61, 38089), (63, 38110), (74, 38176), (94, 38272), (95, 38284), (106, 38323),

Gene: Pippy_54 Start: 37474, Stop: 37821, Start Num: 28

Candidate Starts for Pippy_54:

(4, 37378), (Start: 28 @37474 has 193 MA's), (Start: 49 @37513 has 2 MA's), (62, 37597), (63, 37600), (80, 37696), (94, 37762), (108, 37816),

Gene: Plumbus_58 Start: 38935, Stop: 39282, Start Num: 28

Candidate Starts for Plumbus_58:

(Start: 28 @38935 has 193 MA's), (Start: 49 @38974 has 2 MA's), (63, 39061), (80, 39157), (85, 39178), (94, 39223), (108, 39277),

Gene: Poenanya_56 Start: 39792, Stop: 40139, Start Num: 28

Candidate Starts for Poenanya_56:

(Start: 28 @39792 has 193 MA's), (Start: 49 @39831 has 2 MA's), (58, 39870), (62, 39915), (63, 39918), (80, 40014), (84, 40032), (85, 40035), (89, 40059), (93, 40077), (94, 40080),

Gene: Poise_64 Start: 36039, Stop: 36377, Start Num: 43

Candidate Starts for Poise_64:

(Start: 43 @36039 has 18 MA's), (66, 36165), (73, 36204), (95, 36321), (105, 36357), (108, 36366),

Gene: Polka14_54 Start: 37988, Stop: 38335, Start Num: 28

Candidate Starts for Polka14_54:

(Start: 28 @37988 has 193 MA's), (Start: 49 @38027 has 2 MA's), (58, 38066), (62, 38111), (63, 38114), (80, 38210), (84, 38228), (85, 38231), (89, 38255), (93, 38273), (94, 38276),

Gene: Pollywog_57 Start: 39439, Stop: 39786, Start Num: 28

Candidate Starts for Pollywog_57:

(2, 39319), (5, 39349), (Start: 28 @39439 has 193 MA's), (Start: 49 @39478 has 2 MA's), (62, 39562), (63, 39565), (80, 39661), (85, 39682), (94, 39727), (108, 39781),

Gene: Polo2Bam_61 Start: 38465, Stop: 38812, Start Num: 28

Candidate Starts for Polo2Bam_61:

(2, 38345), (5, 38375), (8, 38396), (Start: 28 @38465 has 193 MA's), (Start: 49 @38504 has 2 MA's), (62, 38588), (63, 38591), (80, 38687), (85, 38708), (94, 38753), (99, 38789), (108, 38807),

Gene: PopTart_51 Start: 37460, Stop: 37795, Start Num: 36

Candidate Starts for PopTart_51:

(Start: 36 @37460 has 24 MA's), (Start: 49 @37487 has 2 MA's), (62, 37571), (63, 37574), (80, 37670), (85, 37691), (94, 37736), (99, 37772), (108, 37790),

Gene: Pringar_63 Start: 36328, Stop: 36666, Start Num: 43
Candidate Starts for Pringar_63:
(Start: 43 @36328 has 18 MA's), (66, 36454), (73, 36493), (95, 36610), (105, 36646), (108, 36655),

Gene: Priscilla_56 Start: 38702, Stop: 39049, Start Num: 28
Candidate Starts for Priscilla_56:
(4, 38606), (Start: 28 @38702 has 193 MA's), (Start: 49 @38741 has 2 MA's), (62, 38825), (63, 38828),
(80, 38924), (94, 38990), (108, 39044),

Gene: PumpkinSpice_184 Start: 95893, Stop: 96189, Start Num: 53
Candidate Starts for PumpkinSpice_184:
(Start: 37 @95857 has 11 MA's), (Start: 53 @95893 has 20 MA's), (62, 95959), (65, 95968), (70, 96013), (75, 96043),

Gene: Purgamenstris_45 Start: 31707, Stop: 32066, Start Num: 25
Candidate Starts for Purgamenstris_45:
(Start: 24 @31704 has 5 MA's), (Start: 25 @31707 has 21 MA's), (Start: 32 @31722 has 23 MA's),
(Start: 49 @31749 has 2 MA's), (55, 31773), (63, 31845), (74, 31911), (84, 31959), (94, 32007), (106, 32055),

Gene: PynkPanther_173 Start: 95281, Stop: 95604, Start Num: 40
Candidate Starts for PynkPanther_173:
(17, 95230), (Start: 22 @95242 has 1 MA's), (Start: 37 @95272 has 11 MA's), (Start: 40 @95281 has 48 MA's), (65, 95389), (67, 95419), (70, 95434), (72, 95443),

Gene: Qhanda_56 Start: 37627, Stop: 37977, Start Num: 32
Candidate Starts for Qhanda_56:
(Start: 32 @37627 has 23 MA's), (Start: 42 @37651 has 1 MA's), (Start: 49 @37654 has 2 MA's), (61, 37729), (66, 37768), (74, 37813), (77, 37831), (81, 37852), (82, 37855),

Gene: Quaran19_182 Start: 95332, Stop: 95628, Start Num: 53
Candidate Starts for Quaran19_182:
(Start: 37 @95296 has 11 MA's), (Start: 53 @95332 has 20 MA's), (62, 95398), (65, 95407), (70, 95452), (75, 95482),

Gene: QuickMath_57 Start: 40502, Stop: 40849, Start Num: 28
Candidate Starts for QuickMath_57:
(Start: 28 @40502 has 193 MA's), (Start: 49 @40541 has 2 MA's), (51, 40550), (63, 40628), (80, 40724), (85, 40745), (94, 40790), (108, 40844),

Gene: Quico_65 Start: 40968, Stop: 41315, Start Num: 28
Candidate Starts for Quico_65:
(2, 40848), (8, 40899), (Start: 28 @40968 has 193 MA's), (Start: 49 @41007 has 2 MA's), (62, 41091),
(63, 41094), (80, 41190), (85, 41211), (94, 41256), (108, 41310),

Gene: Radiance_55 Start: 38727, Stop: 39074, Start Num: 28
Candidate Starts for Radiance_55:
(Start: 28 @38727 has 193 MA's), (Start: 49 @38766 has 2 MA's), (51, 38775), (63, 38853), (80, 38949), (94, 39015), (99, 39051), (108, 39069),

Gene: Raela_64 Start: 36596, Stop: 36934, Start Num: 43
Candidate Starts for Raela_64:
(Start: 43 @36596 has 18 MA's), (66, 36722), (73, 36761), (95, 36878), (105, 36914), (108, 36923),

Gene: Ramsey_56 Start: 39390, Stop: 39737, Start Num: 28

Candidate Starts for Ramsey_56:

(Start: 28 @39390 has 193 MA's), (Start: 49 @39429 has 2 MA's), (58, 39468), (62, 39513), (63, 39516), (80, 39612), (94, 39678), (108, 39732),

Gene: Raymond7_39 Start: 31495, Stop: 31854, Start Num: 25

Candidate Starts for Raymond7_39:

(Start: 24 @31492 has 5 MA's), (Start: 25 @31495 has 21 MA's), (Start: 32 @31510 has 23 MA's), (Start: 49 @31537 has 2 MA's), (55, 31561), (63, 31633), (74, 31699), (84, 31747), (94, 31795), (106, 31843),

Gene: Rebel_37 Start: 27837, Stop: 28196, Start Num: 25

Candidate Starts for Rebel_37:

(Start: 24 @27834 has 5 MA's), (Start: 25 @27837 has 21 MA's), (Start: 32 @27852 has 23 MA's), (Start: 49 @27879 has 2 MA's), (55, 27903), (63, 27975), (74, 28041), (84, 28089), (94, 28137), (106, 28185),

Gene: RedBird_54 Start: 38035, Stop: 38370, Start Num: 36

Candidate Starts for RedBird_54:

(Start: 36 @38035 has 24 MA's), (Start: 49 @38062 has 2 MA's), (63, 38149), (80, 38245), (85, 38266), (94, 38311), (108, 38365),

Gene: RedRaider77_63 Start: 35984, Stop: 36322, Start Num: 43

Candidate Starts for RedRaider77_63:

(Start: 43 @35984 has 18 MA's), (66, 36110), (73, 36149), (95, 36266), (105, 36302), (108, 36311),

Gene: Redi_45 Start: 31703, Stop: 32065, Start Num: 24

Candidate Starts for Redi_45:

(Start: 24 @31703 has 5 MA's), (Start: 25 @31706 has 21 MA's), (Start: 32 @31721 has 23 MA's), (Start: 49 @31748 has 2 MA's), (55, 31772), (63, 31844), (74, 31910), (84, 31958), (94, 32006), (106, 32054),

Gene: Renaud18_61 Start: 39280, Stop: 39627, Start Num: 28

Candidate Starts for Renaud18_61:

(Start: 28 @39280 has 193 MA's), (Start: 49 @39319 has 2 MA's), (51, 39328), (63, 39406), (80, 39502), (94, 39568), (99, 39604), (108, 39622),

Gene: Reptar3000_52 Start: 36852, Stop: 37205, Start Num: 32

Candidate Starts for Reptar3000_52:

(Start: 32 @36852 has 23 MA's), (Start: 42 @36876 has 1 MA's), (Start: 49 @36879 has 2 MA's), (61, 36954), (66, 36993),

Gene: Rialto_62 Start: 41461, Stop: 41853, Start Num: 14

Candidate Starts for Rialto_62:

(Start: 14 @41461 has 8 MA's), (19, 41479), (Start: 49 @41545 has 2 MA's), (63, 41632), (80, 41728), (85, 41749), (94, 41794), (99, 41830), (108, 41848),

Gene: Rikishi_183 Start: 95445, Stop: 95741, Start Num: 53

Candidate Starts for Rikishi_183:

(Start: 37 @95409 has 11 MA's), (Start: 53 @95445 has 20 MA's), (62, 95511), (65, 95520), (70, 95565), (75, 95595),

Gene: Riptide_168 Start: 92891, Stop: 93211, Start Num: 40

Candidate Starts for Riptide_168:

(Start: 37 @92882 has 11 MA's), (Start: 40 @92891 has 48 MA's), (67, 93026),

Gene: Rita_57 Start: 37333, Stop: 37680, Start Num: 28

Candidate Starts for Rita_57:

(4, 37237), (5, 37243), (Start: 28 @37333 has 193 MA's), (Start: 49 @37372 has 2 MA's), (58, 37411), (62, 37456), (63, 37459), (80, 37555), (94, 37621), (108, 37675),

Gene: RitaG_51 Start: 37236, Stop: 37583, Start Num: 28

Candidate Starts for RitaG_51:

(4, 37140), (Start: 28 @37236 has 193 MA's), (Start: 49 @37275 has 2 MA's), (62, 37359), (63, 37362), (80, 37458), (85, 37479), (94, 37524), (108, 37578),

Gene: Rockne_57 Start: 39242, Stop: 39589, Start Num: 28

Candidate Starts for Rockne_57:

(4, 39146), (Start: 28 @39242 has 193 MA's), (Start: 49 @39281 has 2 MA's), (62, 39365), (63, 39368), (80, 39464), (85, 39485), (94, 39530), (108, 39584),

Gene: RockyHorror_57 Start: 38303, Stop: 38638, Start Num: 36

Candidate Starts for RockyHorror_57:

(Start: 36 @38303 has 24 MA's), (Start: 49 @38330 has 2 MA's), (63, 38417), (80, 38513), (85, 38534), (94, 38579), (99, 38615), (108, 38633),

Gene: Royals2015_59 Start: 38599, Stop: 38991, Start Num: 14

Candidate Starts for Royals2015_59:

(Start: 14 @38599 has 8 MA's), (19, 38617), (Start: 49 @38683 has 2 MA's), (63, 38770), (80, 38866), (85, 38887), (94, 38932), (99, 38968), (108, 38986),

Gene: Ruby_52 Start: 38423, Stop: 38770, Start Num: 28

Candidate Starts for Ruby_52:

(2, 38300), (8, 38351), (Start: 28 @38423 has 193 MA's), (Start: 49 @38462 has 2 MA's), (51, 38471), (58, 38501), (63, 38549), (80, 38645), (85, 38666), (94, 38711), (99, 38747), (108, 38765),

Gene: Ruthiejr_55 Start: 37661, Stop: 38011, Start Num: 32

Candidate Starts for Ruthiejr_55:

(Start: 32 @37661 has 23 MA's), (Start: 49 @37688 has 2 MA's), (61, 37763), (66, 37802), (74, 37847), (77, 37865), (81, 37886), (82, 37889),

Gene: SG4_53 Start: 38120, Stop: 38467, Start Num: 28

Candidate Starts for SG4_53:

(Start: 28 @38120 has 193 MA's), (Start: 49 @38159 has 2 MA's), (51, 38168), (63, 38246), (80, 38342), (85, 38363), (94, 38408), (99, 38444), (108, 38462),

Gene: Saal_58 Start: 39876, Stop: 40223, Start Num: 28

Candidate Starts for Saal_58:

(4, 39780), (Start: 28 @39876 has 193 MA's), (Start: 49 @39915 has 2 MA's), (62, 39999), (63, 40002), (80, 40098), (94, 40164), (108, 40218),

Gene: Sabbb_60 Start: 39564, Stop: 39911, Start Num: 28

Candidate Starts for Sabbb_60:

(2, 39444), (Start: 28 @39564 has 193 MA's), (Start: 49 @39603 has 2 MA's), (63, 39690), (80, 39786), (94, 39852), (108, 39906),

Gene: SaltySpittoon_182 Start: 94876, Stop: 95172, Start Num: 53

Candidate Starts for SaltySpittoon_182:

(Start: 37 @94840 has 11 MA's), (Start: 53 @94876 has 20 MA's), (62, 94942), (65, 94951), (70, 94996), (75, 95026),

Gene: SamScheppers_52 Start: 38090, Stop: 38440, Start Num: 32

Candidate Starts for SamScheppers_52:

(Start: 32 @38090 has 23 MA's), (Start: 42 @38114 has 1 MA's), (Start: 49 @38117 has 2 MA's), (61, 38192), (66, 38231), (74, 38276), (77, 38294), (81, 38315), (82, 38318),

Gene: Samisti12_174 Start: 96616, Stop: 96936, Start Num: 40

Candidate Starts for Samisti12_174:

(17, 96565), (Start: 22 @96577 has 1 MA's), (Start: 37 @96607 has 11 MA's), (Start: 40 @96616 has 48 MA's), (62, 96712), (67, 96751), (72, 96775),

Gene: Sandalphon_58 Start: 39526, Stop: 39861, Start Num: 36

Candidate Starts for Sandalphon_58:

(Start: 36 @39526 has 24 MA's), (Start: 49 @39553 has 2 MA's), (58, 39592), (62, 39637), (63, 39640), (80, 39736), (85, 39757), (94, 39802), (108, 39856),

Gene: Sarma624_54 Start: 34814, Stop: 35161, Start Num: 28

Candidate Starts for Sarma624_54:

(Start: 28 @34814 has 193 MA's), (Start: 49 @34853 has 2 MA's), (58, 34892), (62, 34937), (63, 34940), (80, 35036), (94, 35102),

Gene: Sassafras_54 Start: 38208, Stop: 38555, Start Num: 28

Candidate Starts for Sassafras_54:

(Start: 28 @38208 has 193 MA's), (Start: 49 @38247 has 2 MA's), (51, 38256), (63, 38334), (80, 38430), (85, 38451), (94, 38496), (99, 38532), (108, 38550),

Gene: SassyB_51 Start: 37460, Stop: 37795, Start Num: 36

Candidate Starts for SassyB_51:

(Start: 36 @37460 has 24 MA's), (Start: 49 @37487 has 2 MA's), (62, 37571), (63, 37574), (80, 37670), (85, 37691), (94, 37736), (99, 37772), (108, 37790),

Gene: Scheme_175 Start: 96797, Stop: 97117, Start Num: 40

Candidate Starts for Scheme_175:

(17, 96746), (Start: 22 @96758 has 1 MA's), (Start: 37 @96788 has 11 MA's), (Start: 40 @96797 has 48 MA's), (62, 96893), (67, 96932), (72, 96956),

Gene: Scottish_54 Start: 38248, Stop: 38595, Start Num: 28

Candidate Starts for Scottish_54:

(4, 38152), (Start: 28 @38248 has 193 MA's), (Start: 49 @38287 has 2 MA's), (62, 38371), (63, 38374), (80, 38470), (85, 38491), (94, 38536), (108, 38590),

Gene: SeaLumen_60 Start: 38465, Stop: 38812, Start Num: 28

Candidate Starts for SeaLumen_60:

(2, 38345), (5, 38375), (8, 38396), (Start: 28 @38465 has 193 MA's), (Start: 49 @38504 has 2 MA's), (62, 38588), (63, 38591), (80, 38687), (85, 38708), (94, 38753), (99, 38789), (108, 38807),

Gene: Seabastian_61 Start: 41221, Stop: 41568, Start Num: 28

Candidate Starts for Seabastian_61:

(Start: 28 @41221 has 193 MA's), (Start: 49 @41260 has 2 MA's), (58, 41299), (62, 41344), (63, 41347), (80, 41443), (85, 41464), (94, 41509),

Gene: Seagreen_56 Start: 38212, Stop: 38559, Start Num: 28

Candidate Starts for Seagreen_56:

(Start: 28 @38212 has 193 MA's), (Start: 49 @38251 has 2 MA's), (85, 38455), (97, 38518), (107, 38551), (108, 38554),

Gene: Sejanus_55 Start: 46982, Stop: 47341, Start Num: 25

Candidate Starts for Sejanus_55:

(Start: 25 @46982 has 21 MA's), (39, 47012), (55, 47048), (63, 47120), (74, 47186), (76, 47198), (81, 47225), (84, 47234), (94, 47282), (106, 47330),

Gene: Shauna1_55 Start: 39323, Stop: 39670, Start Num: 28

Candidate Starts for Shauna1_55:

(Start: 28 @39323 has 193 MA's), (Start: 49 @39362 has 2 MA's), (51, 39371), (63, 39449), (80, 39545), (85, 39566), (94, 39611), (99, 39647),

Gene: ShiLan_55 Start: 38649, Stop: 38996, Start Num: 28

Candidate Starts for ShiLan_55:

(4, 38553), (Start: 28 @38649 has 193 MA's), (Start: 49 @38688 has 2 MA's), (62, 38772), (63, 38775), (80, 38871), (94, 38937), (108, 38991),

Gene: ShowerHandel_59 Start: 38616, Stop: 38963, Start Num: 28

Candidate Starts for ShowerHandel_59:

(4, 38520), (Start: 28 @38616 has 193 MA's), (Start: 49 @38655 has 2 MA's), (62, 38739), (63, 38742), (80, 38838), (94, 38904), (108, 38958),

Gene: ShrimpFriedEgg_45 Start: 31703, Stop: 32065, Start Num: 24

Candidate Starts for ShrimpFriedEgg_45:

(Start: 24 @31703 has 5 MA's), (Start: 25 @31706 has 21 MA's), (Start: 32 @31721 has 23 MA's), (Start: 49 @31748 has 2 MA's), (55, 31772), (63, 31844), (74, 31910), (84, 31958), (94, 32006), (106, 32054),

Gene: ShroomBoi_58 Start: 39576, Stop: 39923, Start Num: 28

Candidate Starts for ShroomBoi_58:

(2, 39456), (5, 39486), (Start: 28 @39576 has 193 MA's), (Start: 49 @39615 has 2 MA's), (58, 39654), (62, 39699), (63, 39702), (80, 39798), (94, 39864), (108, 39918),

Gene: Shuckle_170 Start: 94834, Stop: 95157, Start Num: 40

Candidate Starts for Shuckle_170:

(17, 94783), (Start: 22 @94795 has 1 MA's), (Start: 37 @94825 has 11 MA's), (Start: 40 @94834 has 48 MA's), (46, 94846), (65, 94942), (67, 94972), (72, 94996),

Gene: SiSi_54 Start: 38022, Stop: 38369, Start Num: 28

Candidate Starts for SiSi_54:

(Start: 28 @38022 has 193 MA's), (Start: 49 @38061 has 2 MA's), (63, 38148), (80, 38244), (85, 38265), (94, 38310), (108, 38364),

Gene: SilverChicken_67 Start: 39103, Stop: 39450, Start Num: 28

Candidate Starts for SilverChicken_67:

(Start: 28 @39103 has 193 MA's), (Start: 49 @39142 has 2 MA's), (51, 39151), (63, 39229), (80, 39325), (85, 39346), (94, 39391), (99, 39427), (108, 39445),

Gene: Silvy_40 Start: 29489, Stop: 29848, Start Num: 25

Candidate Starts for Silvy_40:

(Start: 25 @29489 has 21 MA's), (51, 29540), (55, 29555), (62, 29624), (63, 29627), (74, 29693), (81, 29732), (84, 29741), (93, 29786), (94, 29789), (106, 29837), (108, 29843),

Gene: SimranZ1_56 Start: 38802, Stop: 39149, Start Num: 28

Candidate Starts for SimranZ1_56:

(Start: 28 @38802 has 193 MA's), (Start: 49 @38841 has 2 MA's), (63, 38928), (80, 39024), (85, 39045), (94, 39090), (99, 39126), (108, 39144),

Gene: SkinnyPete_39 Start: 29165, Stop: 29524, Start Num: 25

Candidate Starts for SkinnyPete_39:

(Start: 25 @29165 has 21 MA's), (Start: 28 @29174 has 193 MA's), (Start: 32 @29180 has 23 MA's), (55, 29231), (63, 29303), (74, 29369), (76, 29381), (81, 29408), (84, 29417), (94, 29465), (106, 29513),

Gene: Slarp_54 Start: 37618, Stop: 37968, Start Num: 32

Candidate Starts for Slarp_54:

(Start: 32 @37618 has 23 MA's), (Start: 42 @37642 has 1 MA's), (Start: 49 @37645 has 2 MA's), (61, 37720), (66, 37759), (74, 37804), (77, 37822), (81, 37843), (82, 37846),

Gene: Slim_57 Start: 39364, Stop: 39756, Start Num: 14

Candidate Starts for Slim_57:

(Start: 14 @39364 has 8 MA's), (19, 39382), (Start: 49 @39448 has 2 MA's), (63, 39535), (80, 39631), (85, 39652), (94, 39697), (99, 39733), (108, 39751),

Gene: Sollertia_178 Start: 94789, Stop: 95106, Start Num: 40

Candidate Starts for Sollertia_178:

(16, 94732), (18, 94738), (23, 94750), (Start: 37 @94780 has 11 MA's), (Start: 40 @94789 has 48 MA's), (52, 94813), (67, 94918), (81, 94993), (93, 95044), (95, 95059),

Gene: Soul22_62 Start: 40209, Stop: 40553, Start Num: 29

Candidate Starts for Soul22_62:

(7, 40122), (Start: 29 @40209 has 3 MA's), (Start: 49 @40242 has 2 MA's), (91, 40482), (97, 40512), (107, 40545), (108, 40548),

Gene: Sparkdehlily_64 Start: 40334, Stop: 40681, Start Num: 28

Candidate Starts for Sparkdehlily_64:

(Start: 28 @40334 has 193 MA's), (Start: 49 @40373 has 2 MA's), (51, 40382), (63, 40460), (80, 40556), (85, 40577), (94, 40622), (99, 40658), (108, 40676),

Gene: Spartacus_58 Start: 39286, Stop: 39633, Start Num: 28

Candidate Starts for Spartacus_58:

(Start: 28 @39286 has 193 MA's), (Start: 49 @39325 has 2 MA's), (51, 39334), (63, 39412), (80, 39508), (94, 39574),

Gene: Spelly_185 Start: 94805, Stop: 95101, Start Num: 53

Candidate Starts for Spelly_185:

(Start: 37 @94769 has 11 MA's), (Start: 53 @94805 has 20 MA's), (62, 94871), (65, 94880), (70, 94925), (75, 94955),

Gene: Spikelee_63 Start: 40906, Stop: 41253, Start Num: 28

Candidate Starts for Spikelee_63:

(Start: 28 @40906 has 193 MA's), (Start: 49 @40945 has 2 MA's), (51, 40954), (62, 41029), (63, 41032), (80, 41128), (85, 41149), (94, 41194), (99, 41230), (108, 41248),

Gene: Spilled_187 Start: 95618, Stop: 95914, Start Num: 53

Candidate Starts for Spilled_187:

(Start: 37 @95582 has 11 MA's), (Start: 53 @95618 has 20 MA's), (65, 95693), (70, 95738), (75, 95768),

Gene: Spinach_45 Start: 31706, Stop: 32065, Start Num: 25

Candidate Starts for Spinach_45:

(Start: 24 @31703 has 5 MA's), (Start: 25 @31706 has 21 MA's), (Start: 32 @31721 has 23 MA's), (Start: 49 @31748 has 2 MA's), (55, 31772), (63, 31844), (74, 31910), (84, 31958), (94, 32006), (106, 32054),

Gene: Spoonbill_53 Start: 37196, Stop: 37543, Start Num: 28

Candidate Starts for Spoonbill_53:

(Start: 28 @37196 has 193 MA's), (Start: 49 @37235 has 2 MA's), (58, 37274), (62, 37319), (63, 37322), (80, 37418), (84, 37436), (85, 37439), (89, 37463), (93, 37481), (94, 37484),

Gene: Squillum_173 Start: 94444, Stop: 94767, Start Num: 40

Candidate Starts for Squillum_173:

(17, 94393), (Start: 22 @94405 has 1 MA's), (Start: 37 @94435 has 11 MA's), (Start: 40 @94444 has 48 MA's), (67, 94582), (70, 94597),

Gene: Squirty_52 Start: 37353, Stop: 37712, Start Num: 25

Candidate Starts for Squirty_52:

(Start: 24 @37350 has 5 MA's), (Start: 25 @37353 has 21 MA's), (Start: 28 @37362 has 193 MA's), (Start: 32 @37368 has 23 MA's), (Start: 49 @37395 has 2 MA's), (55, 37419), (62, 37488), (63, 37491), (74, 37557), (81, 37596), (84, 37605), (93, 37650), (94, 37653), (106, 37701), (108, 37707),

Gene: Squirty_59 Start: 40095, Stop: 40442, Start Num: 28

Candidate Starts for Squirty_59:

(Start: 28 @40095 has 193 MA's), (Start: 49 @40134 has 2 MA's), (51, 40143), (63, 40221), (80, 40317), (94, 40383), (108, 40437),

Gene: StAnnes_55 Start: 39501, Stop: 39848, Start Num: 28

Candidate Starts for StAnnes_55:

(Start: 28 @39501 has 193 MA's), (Start: 49 @39540 has 2 MA's), (63, 39627), (80, 39723), (85, 39744), (94, 39789), (99, 39825), (108, 39843),

Gene: Stanimal_177 Start: 95150, Stop: 95467, Start Num: 40

Candidate Starts for Stanimal_177:

(16, 95093), (18, 95099), (23, 95111), (Start: 37 @95141 has 11 MA's), (Start: 40 @95150 has 48 MA's), (52, 95174), (67, 95279), (81, 95354), (93, 95405), (95, 95420),

Gene: Stap_54 Start: 37997, Stop: 38344, Start Num: 28

Candidate Starts for Stap_54:

(Start: 28 @37997 has 193 MA's), (Start: 49 @38036 has 2 MA's), (58, 38075), (62, 38120), (63, 38123), (80, 38219), (84, 38237), (85, 38240), (89, 38264), (93, 38282), (94, 38285),

Gene: StarPlatinum_189 Start: 97255, Stop: 97587, Start Num: 37

Candidate Starts for StarPlatinum_189:

(Start: 37 @97255 has 11 MA's), (Start: 53 @97291 has 20 MA's), (65, 97366), (67, 97396), (70, 97411),

Gene: Starbow_180 Start: 94849, Stop: 95145, Start Num: 53

Candidate Starts for Starbow_180:

(Start: 37 @94813 has 11 MA's), (Start: 53 @94849 has 20 MA's), (62, 94915), (65, 94924), (70, 94969), (75, 94999),

Gene: Starceвич_55 Start: 38573, Stop: 38920, Start Num: 28

Candidate Starts for Starceвич_55:

(4, 38477), (Start: 28 @38573 has 193 MA's), (Start: 49 @38612 has 2 MA's), (62, 38696), (63, 38699), (80, 38795), (94, 38861), (108, 38915),

Gene: Strokeseat_52 Start: 36732, Stop: 37079, Start Num: 28

Candidate Starts for Strokeseat_52:

(2, 36612), (Start: 28 @36732 has 193 MA's), (Start: 49 @36771 has 2 MA's), (58, 36810), (62, 36855), (63, 36858), (80, 36954), (94, 37020),

Gene: SuperGrey_60 Start: 40809, Stop: 41156, Start Num: 28

Candidate Starts for SuperGrey_60:

(Start: 28 @40809 has 193 MA's), (Start: 49 @40848 has 2 MA's), (63, 40935), (80, 41031), (85, 41052), (94, 41097), (108, 41151),

Gene: Sushi23_172 Start: 95590, Stop: 95910, Start Num: 40

Candidate Starts for Sushi23_172:

(17, 95539), (Start: 22 @95551 has 1 MA's), (Start: 37 @95581 has 11 MA's), (Start: 40 @95590 has 48 MA's), (62, 95686), (67, 95725), (72, 95749),

Gene: SwagPiggett_61 Start: 40924, Stop: 41271, Start Num: 28

Candidate Starts for SwagPiggett_61:

(2, 40804), (8, 40855), (Start: 28 @40924 has 193 MA's), (Start: 49 @40963 has 2 MA's), (62, 41047), (63, 41050), (80, 41146), (94, 41212), (108, 41266),

Gene: TChen_56 Start: 39822, Stop: 40172, Start Num: 28

Candidate Starts for TChen_56:

(Start: 28 @39822 has 193 MA's), (Start: 49 @39861 has 2 MA's), (97, 40131), (107, 40164), (108, 40167),

Gene: TDanisky_64 Start: 40334, Stop: 40681, Start Num: 28

Candidate Starts for TDanisky_64:

(Start: 28 @40334 has 193 MA's), (Start: 49 @40373 has 2 MA's), (51, 40382), (63, 40460), (80, 40556), (85, 40577), (94, 40622), (99, 40658), (108, 40676),

Gene: Taj_60 Start: 40382, Stop: 40729, Start Num: 28

Candidate Starts for Taj_60:

(2, 40262), (Start: 28 @40382 has 193 MA's), (Start: 49 @40421 has 2 MA's), (58, 40460), (62, 40505), (63, 40508), (80, 40604), (85, 40625), (94, 40670), (99, 40706), (108, 40724),

Gene: Taquito_54 Start: 37946, Stop: 38296, Start Num: 32

Candidate Starts for Taquito_54:

(Start: 32 @37946 has 23 MA's), (Start: 42 @37970 has 1 MA's), (Start: 49 @37973 has 2 MA's), (61, 38048), (66, 38087), (74, 38132), (77, 38150), (81, 38171), (82, 38174),

Gene: Targaryen_172 Start: 96191, Stop: 96511, Start Num: 40

Candidate Starts for Targaryen_172:

(17, 96140), (Start: 22 @96152 has 1 MA's), (Start: 37 @96182 has 11 MA's), (Start: 40 @96191 has 48 MA's), (62, 96287), (67, 96326),

Gene: Tchotchke_57 Start: 38726, Stop: 39073, Start Num: 28

Candidate Starts for Tchotchke_57:

(2, 38606), (Start: 28 @38726 has 193 MA's), (Start: 49 @38765 has 2 MA's), (58, 38804), (62, 38849), (63, 38852), (80, 38948), (85, 38969), (94, 39014), (99, 39050), (108, 39068),

Gene: Tesla_61 Start: 35833, Stop: 36171, Start Num: 43

Candidate Starts for Tesla_61:

(Start: 43 @35833 has 18 MA's), (66, 35959), (73, 35998), (95, 36115), (105, 36151), (108, 36160),

Gene: Deutsch_171 Start: 95714, Stop: 96034, Start Num: 40

Candidate Starts for Deutsch_171:

(17, 95663), (Start: 22 @95675 has 1 MA's), (Start: 37 @95705 has 11 MA's), (Start: 40 @95714 has 48 MA's), (62, 95810), (67, 95849), (72, 95873),

Gene: ThetaBob_60 Start: 39893, Stop: 40246, Start Num: 27

Candidate Starts for ThetaBob_60:

(Start: 27 @39893 has 1 MA's), (Start: 49 @39935 has 2 MA's), (91, 40175), (97, 40205), (107, 40238), (108, 40241),

Gene: TomSawyer_186 Start: 96537, Stop: 96833, Start Num: 53

Candidate Starts for TomSawyer_186:

(Start: 37 @96501 has 11 MA's), (Start: 53 @96537 has 20 MA's), (62, 96603), (65, 96612), (70, 96657), (75, 96687),

Gene: Tomas_176 Start: 95090, Stop: 95428, Start Num: 41

Candidate Starts for Tomas_176:

(17, 95030), (Start: 37 @95075 has 11 MA's), (Start: 40 @95084 has 48 MA's), (Start: 41 @95090 has 1 MA's), (48, 95099), (61, 95180), (67, 95237), (84, 95321),

Gene: TootsiePop_53 Start: 37256, Stop: 37618, Start Num: 25

Candidate Starts for TootsiePop_53:

(Start: 25 @37256 has 21 MA's), (Start: 26 @37259 has 4 MA's), (39, 37286), (51, 37307), (55, 37322), (61, 37373), (63, 37394), (74, 37460), (94, 37556), (95, 37568), (106, 37607),

Gene: Tootsieroll_57 Start: 37945, Stop: 38292, Start Num: 28

Candidate Starts for Tootsieroll_57:

(Start: 28 @37945 has 193 MA's), (Start: 49 @37984 has 2 MA's), (58, 38023), (62, 38068), (63, 38071), (80, 38167), (94, 38233),

Gene: Topiatin_63 Start: 41073, Stop: 41411, Start Num: 36

Candidate Starts for Topiatin_63:

(Start: 36 @41073 has 24 MA's), (Start: 49 @41100 has 2 MA's), (91, 41340), (97, 41370), (107, 41403), (108, 41406),

Gene: Toron_58 Start: 39897, Stop: 40268, Start Num: 20

Candidate Starts for Toron_58:

(Start: 20 @39897 has 1 MA's), (55, 39978), (74, 40116), (79, 40140), (81, 40155), (82, 40158), (89, 40191), (97, 40230), (100, 40248), (102, 40251), (106, 40257),

Gene: Tortellini_47 Start: 37188, Stop: 37532, Start Num: 32

Candidate Starts for Tortellini_47:

(10, 37122), (Start: 24 @37170 has 5 MA's), (Start: 25 @37173 has 21 MA's), (Start: 28 @37182 has 193 MA's), (Start: 32 @37188 has 23 MA's), (55, 37239), (63, 37311), (74, 37377), (84, 37425), (94, 37473), (106, 37521), (108, 37527),

Gene: Totinger_55 Start: 37875, Stop: 38222, Start Num: 28

Candidate Starts for Totinger_55:

(2, 37755), (5, 37785), (Start: 28 @37875 has 193 MA's), (Start: 49 @37914 has 2 MA's), (62, 37998), (63, 38001), (80, 38097), (94, 38163),

Gene: Tribute_170 Start: 95731, Stop: 96051, Start Num: 40

Candidate Starts for Tribute_170:

(17, 95680), (Start: 22 @95692 has 1 MA's), (Start: 37 @95722 has 11 MA's), (Start: 40 @95731 has 48 MA's), (62, 95827), (67, 95866), (72, 95890),

Gene: Tweety_56 Start: 40125, Stop: 40472, Start Num: 28

Candidate Starts for Tweety_56:

(2, 40005), (Start: 28 @40125 has 193 MA's), (Start: 49 @40164 has 2 MA's), (58, 40203), (62, 40248), (63, 40251), (80, 40347), (85, 40368), (94, 40413), (99, 40449), (108, 40467),

Gene: Typha_55 Start: 41882, Stop: 42274, Start Num: 35

Candidate Starts for Typha_55:

(Start: 35 @41882 has 4 MA's), (54, 41927), (71, 42062), (75, 42083), (85, 42128), (90, 42158), (93, 42176), (95, 42191),

Gene: UncleRicky_55 Start: 38856, Stop: 39203, Start Num: 28

Candidate Starts for UncleRicky_55:

(4, 38760), (5, 38766), (Start: 28 @38856 has 193 MA's), (Start: 49 @38895 has 2 MA's), (62, 38979), (63, 38982), (80, 39078),

Gene: VRedHorse_56 Start: 37887, Stop: 38279, Start Num: 14

Candidate Starts for VRedHorse_56:

(Start: 14 @37887 has 8 MA's), (19, 37905), (Start: 49 @37971 has 2 MA's), (63, 38058), (80, 38154), (85, 38175), (94, 38220), (99, 38256), (108, 38274),

Gene: VasuNzinga_63 Start: 35902, Stop: 36240, Start Num: 43

Candidate Starts for VasuNzinga_63:

(Start: 43 @35902 has 18 MA's), (66, 36028), (73, 36067), (95, 36184), (105, 36220), (108, 36229),

Gene: Velveteen_51 Start: 34814, Stop: 35161, Start Num: 28

Candidate Starts for Velveteen_51:

(Start: 28 @34814 has 193 MA's), (Start: 49 @34853 has 2 MA's), (58, 34892), (62, 34937), (63, 34940), (80, 35036), (94, 35102),

Gene: Veteran_53 Start: 37711, Stop: 38058, Start Num: 28

Candidate Starts for Veteran_53:

(Start: 28 @37711 has 193 MA's), (Start: 49 @37750 has 2 MA's), (51, 37759), (63, 37837), (80, 37933), (85, 37954), (94, 37999), (99, 38035), (108, 38053),

Gene: Violac_58 Start: 40002, Stop: 40349, Start Num: 28

Candidate Starts for Violac_58:

(2, 39882), (5, 39912), (Start: 28 @40002 has 193 MA's), (Start: 49 @40041 has 2 MA's), (58, 40080), (62, 40125), (63, 40128), (80, 40224), (94, 40290),

Gene: Vivum_57 Start: 38934, Stop: 39281, Start Num: 28

Candidate Starts for Vivum_57:

(Start: 28 @38934 has 193 MA's), (Start: 49 @38973 has 2 MA's), (51, 38982), (58, 39012), (62, 39057), (63, 39060), (80, 39156), (85, 39177), (94, 39222), (108, 39276),

Gene: Wachhund_58 Start: 38925, Stop: 39272, Start Num: 28

Candidate Starts for Wachhund_58:

(Start: 28 @38925 has 193 MA's), (Start: 49 @38964 has 2 MA's), (51, 38973), (63, 39051), (80, 39147), (85, 39168), (94, 39213), (99, 39249), (108, 39267),

Gene: Warpy_176 Start: 95260, Stop: 95580, Start Num: 40

Candidate Starts for Warpy_176:

(17, 95209), (Start: 22 @95221 has 1 MA's), (Start: 37 @95251 has 11 MA's), (Start: 40 @95260 has 48 MA's), (Start: 41 @95266 has 1 MA's), (62, 95356), (67, 95395),

Gene: WashU_169 Start: 95805, Stop: 96125, Start Num: 40

Candidate Starts for WashU_169:

(17, 95754), (Start: 22 @95766 has 1 MA's), (Start: 37 @95796 has 11 MA's), (Start: 40 @95805 has 48 MA's), (62, 95901), (67, 95940), (72, 95964),

Gene: Watermoore_171 Start: 96126, Stop: 96446, Start Num: 40

Candidate Starts for Watermoore_171:

(17, 96075), (Start: 22 @96087 has 1 MA's), (Start: 37 @96117 has 11 MA's), (Start: 40 @96126 has 48 MA's), (62, 96222), (67, 96261), (72, 96285),

Gene: Wee_59 Start: 40451, Stop: 40798, Start Num: 28

Candidate Starts for Wee_59:

(2, 40331), (Start: 28 @40451 has 193 MA's), (Start: 49 @40490 has 2 MA's), (58, 40529), (62, 40574), (63, 40577), (80, 40673), (85, 40694), (94, 40739), (99, 40775), (108, 40793),

Gene: Whatsapiecost_57 Start: 38209, Stop: 38556, Start Num: 28

Candidate Starts for Whatsapiecost_57:

(Start: 28 @38209 has 193 MA's), (Start: 49 @38248 has 2 MA's), (51, 38257), (63, 38335), (80, 38431), (94, 38497), (108, 38551),

Gene: WhereRU_172 Start: 94426, Stop: 94749, Start Num: 40

Candidate Starts for WhereRU_172:

(17, 94375), (Start: 22 @94387 has 1 MA's), (Start: 37 @94417 has 11 MA's), (Start: 40 @94426 has 48 MA's), (65, 94534), (67, 94564), (70, 94579), (72, 94588),

Gene: Whouxphf_53 Start: 38528, Stop: 38875, Start Num: 28

Candidate Starts for Whouxphf_53:

(2, 38408), (5, 38438), (8, 38459), (Start: 28 @38528 has 193 MA's), (Start: 49 @38567 has 2 MA's), (62, 38651), (63, 38654), (80, 38750), (85, 38771), (108, 38870),

Gene: Wildcat_17 Start: 5521, Stop: 5174, Start Num: 38

Candidate Starts for Wildcat_17:

(1, 5674), (2, 5665), (Start: 38 @5521 has 5 MA's), (45, 5506), (55, 5476), (57, 5461), (72, 5350), (75, 5329), (84, 5284), (91, 5242), (103, 5185),

Gene: WillSterrel_57 Start: 40402, Stop: 40722, Start Num: 28

Candidate Starts for WillSterrel_57:

(Start: 28 @40402 has 193 MA's), (Start: 49 @40441 has 2 MA's), (51, 40450), (63, 40528),

Gene: Wintermute_54 Start: 37848, Stop: 38198, Start Num: 32

Candidate Starts for Wintermute_54:

(Start: 32 @37848 has 23 MA's), (Start: 42 @37872 has 1 MA's), (Start: 49 @37875 has 2 MA's), (61, 37950), (66, 37989), (74, 38034), (77, 38052), (81, 38073), (82, 38076),

Gene: Wipeout_175 Start: 95881, Stop: 96177, Start Num: 53

Candidate Starts for Wipeout_175:

(Start: 37 @95845 has 11 MA's), (Start: 53 @95881 has 20 MA's), (62, 95947), (65, 95956), (70, 96001), (75, 96031),

Gene: Wofford_181 Start: 98176, Stop: 98487, Start Num: 44

Candidate Starts for Wofford_181:

(17, 98116), (Start: 37 @98158 has 11 MA's), (Start: 40 @98167 has 48 MA's), (Start: 44 @98176 has 1 MA's), (52, 98191), (65, 98269), (67, 98299), (81, 98374), (96, 98443),

Gene: XFactor_55 Start: 38026, Stop: 38361, Start Num: 36

Candidate Starts for XFactor_55:

(Start: 36 @38026 has 24 MA's), (Start: 49 @38053 has 2 MA's), (51, 38062), (63, 38140), (80, 38236), (85, 38257), (94, 38302), (99, 38338), (108, 38356),

Gene: Xavia_47 Start: 37009, Stop: 37368, Start Num: 25

Candidate Starts for Xavia_47:

(9, 36952), (Start: 25 @37009 has 21 MA's), (Start: 32 @37024 has 23 MA's), (39, 37039), (55, 37075), (63, 37147), (74, 37213), (81, 37252), (94, 37309), (106, 37357),

Gene: Y10_53 Start: 37767, Stop: 38120, Start Num: 32

Candidate Starts for Y10_53:

(Start: 32 @37767 has 23 MA's), (Start: 42 @37791 has 1 MA's), (Start: 49 @37794 has 2 MA's), (61, 37869), (66, 37908), (74, 37956), (77, 37974), (81, 37995), (82, 37998),

Gene: Y2_53 Start: 37767, Stop: 38120, Start Num: 32

Candidate Starts for Y2_53:

(Start: 32 @37767 has 23 MA's), (Start: 42 @37791 has 1 MA's), (Start: 49 @37794 has 2 MA's), (61, 37869), (66, 37908), (74, 37956), (77, 37974), (81, 37995), (82, 37998),

Gene: Yaboi_181 Start: 94724, Stop: 95041, Start Num: 40

Candidate Starts for Yaboi_181:

(16, 94667), (18, 94673), (23, 94685), (Start: 37 @94715 has 11 MA's), (Start: 40 @94724 has 48 MA's), (52, 94748), (67, 94853), (81, 94928), (93, 94979), (95, 94994),

Gene: YasnayaPolyana_54 Start: 37722, Stop: 38051, Start Num: 42

Candidate Starts for YasnayaPolyana_54:

(Start: 32 @37698 has 23 MA's), (Start: 42 @37722 has 1 MA's), (Start: 49 @37725 has 2 MA's), (61, 37800), (66, 37839), (74, 37887), (77, 37905), (81, 37926), (82, 37929),

Gene: Yorick_55 Start: 38990, Stop: 39337, Start Num: 28

Candidate Starts for Yorick_55:

(4, 38894), (Start: 28 @38990 has 193 MA's), (Start: 49 @39029 has 2 MA's), (62, 39113), (63, 39116), (80, 39212), (94, 39278), (108, 39332),

Gene: Yoshi_68 Start: 40172, Stop: 40510, Start Num: 36

Candidate Starts for Yoshi_68:

(Start: 36 @40172 has 24 MA's), (Start: 49 @40199 has 2 MA's), (91, 40439), (97, 40469), (107, 40502), (108, 40505),

Gene: Zapner_69 Start: 40486, Stop: 40875, Start Num: 15

Candidate Starts for Zapner_69:

(12, 40474), (Start: 15 @40486 has 6 MA's), (21, 40504), (Start: 34 @40537 has 1 MA's), (Start: 49 @40567 has 2 MA's), (94, 40816), (97, 40834), (107, 40867), (108, 40870),

Gene: Zerg_56 Start: 38412, Stop: 38747, Start Num: 36

Candidate Starts for Zerg_56:

(Start: 36 @38412 has 24 MA's), (Start: 49 @38439 has 2 MA's), (63, 38526), (80, 38622), (85, 38643), (94, 38688), (99, 38724), (108, 38742),

Gene: Zizzle_60 Start: 40243, Stop: 40590, Start Num: 28

Candidate Starts for Zizzle_60:

(2, 40123), (8, 40174), (Start: 28 @40243 has 193 MA's), (Start: 49 @40282 has 2 MA's), (51, 40291), (63, 40369), (80, 40465), (94, 40531), (108, 40585),