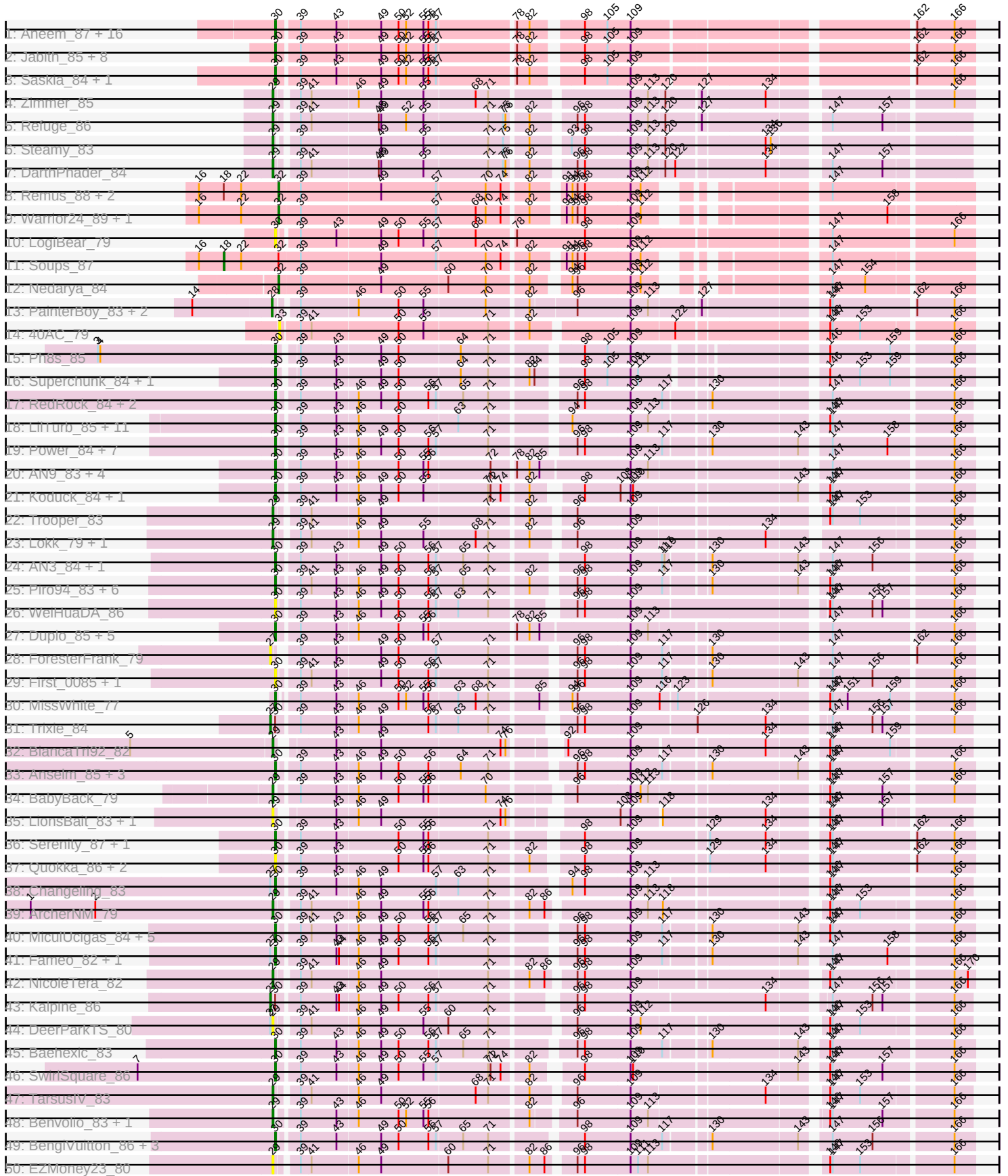
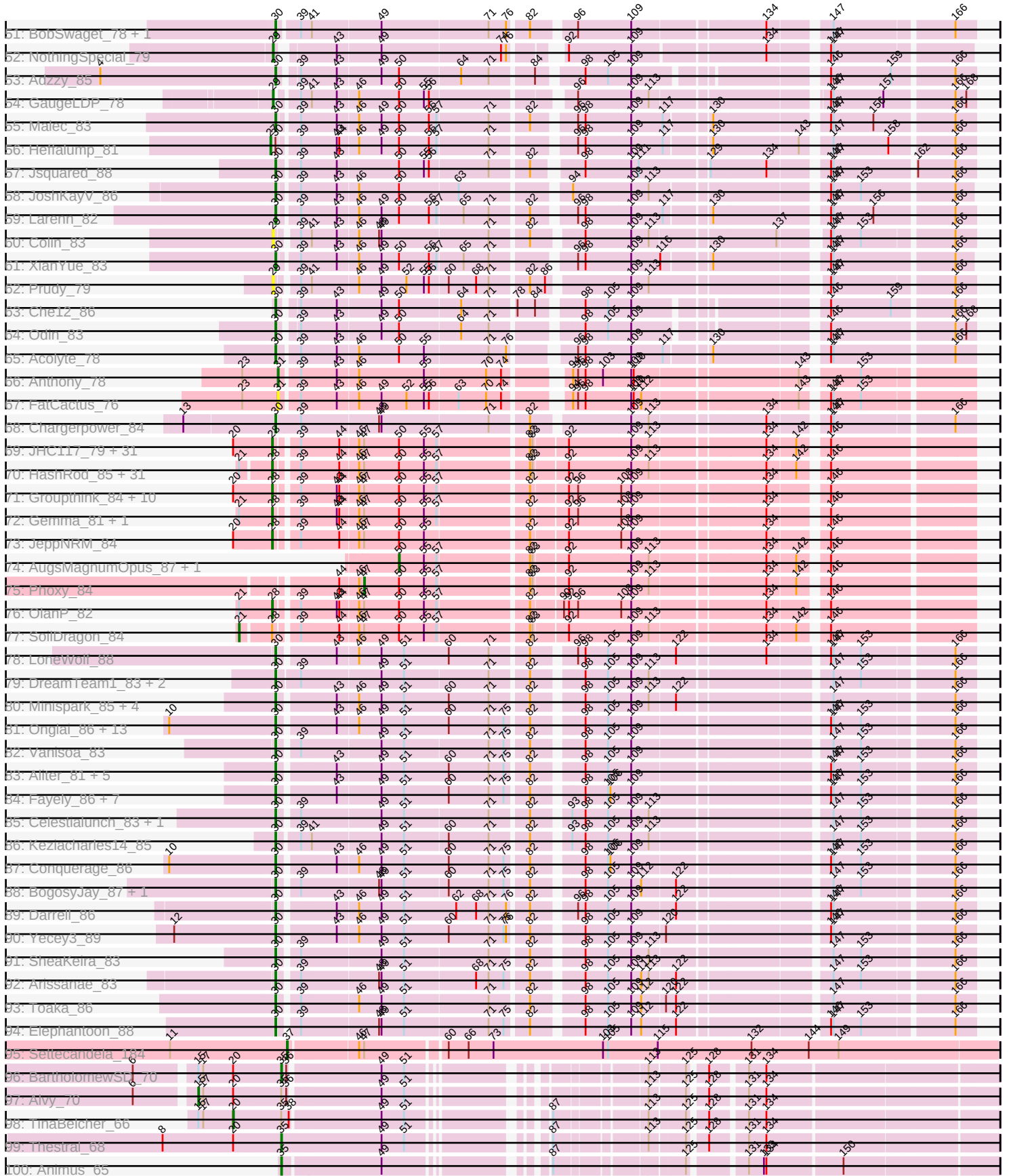


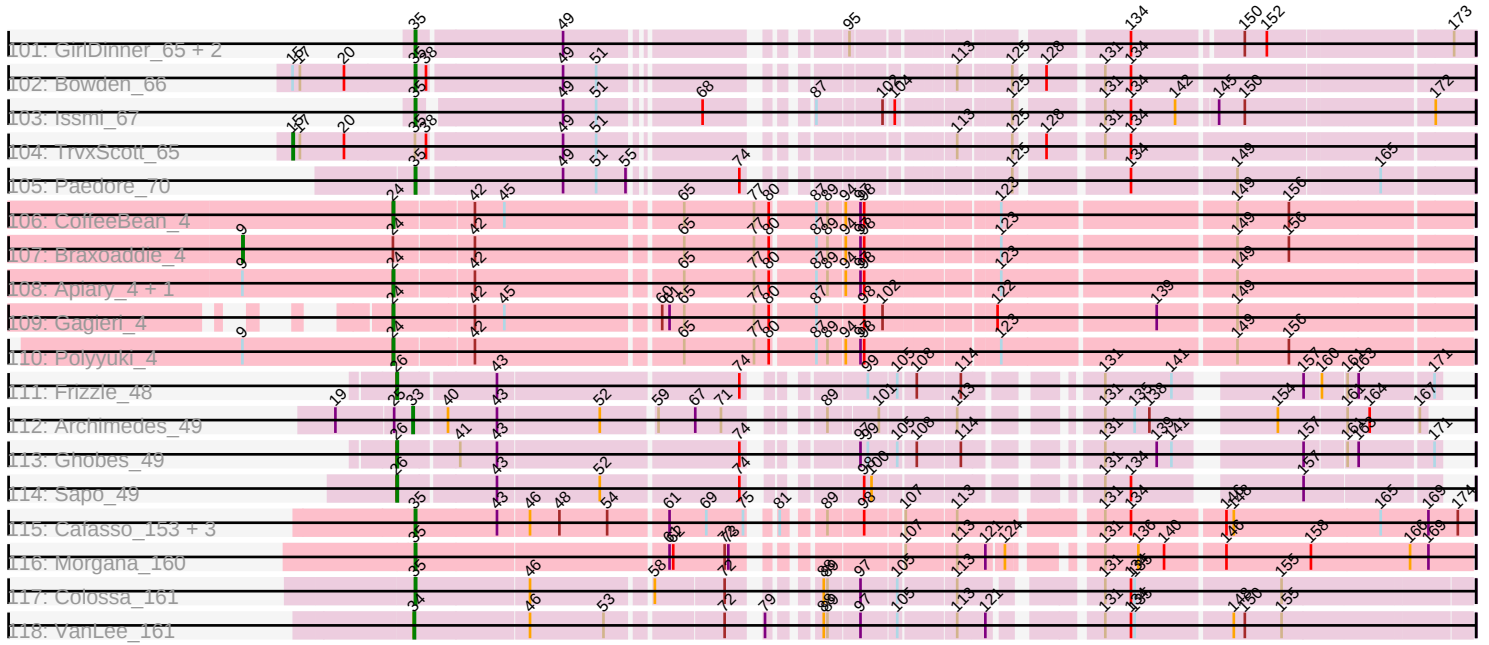
Pham 330391



Pham 330391



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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 330391 Report

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

Pham number 330391 has 319 members, 39 are drafts.

Phages represented in each track:

- Track 1 : Aneem_87, Bowtie_83, MaCh_86, TinyTimmy_84, Munch_86, Joselito_85, Kimba_83, Ebony_86, Petersenfast_82, Bud_81, Orange_86, Gilberta_83, Lucivia_87, Flaverint_87, Mabel_86, Snape_86, Timothy_86
- Track 2 : Jabith_85, Mulciber_84, Salz_81, Sham4_82, Et2Brutus_85, Wolpertinger_85, Hutc2_82, Fibonacci_85, Insomnia_85
- Track 3 : Saskia_84, Bachome_84
- Track 4 : Zimmer_85
- Track 5 : Refuge_86
- Track 6 : Steamy_83
- Track 7 : DarthPhader_84
- Track 8 : Remus_88, Strosahl_88, Epsocamisio_85
- Track 9 : Warrior24_89, Oofda_88
- Track 10 : LogiBear_79
- Track 11 : Soups_87
- Track 12 : Nedarya_84
- Track 13 : PainterBoy_83, Lucyedi_83, EagleEye_84
- Track 14 : 40AC_79
- Track 15 : Ph8s_85
- Track 16 : Superchunk_84, Caraxes_85
- Track 17 : RedRock_84, Loser_87, AnnaL29_86
- Track 18 : LilTurb_85, Whabigail7_84, KingCyrus_83, Turbido_85, Dignity_86, Agape74_86, Jerm_86, Smeagan_87, ChipMunk_85, EvilGenius_84, Leviathan_86, AbbyPaige_86
- Track 19 : Power_84, SnapTap_84, FiringLine_84, Georgie2_86, Crucio_84, SweetiePie_84, QueenBeesly_84, SemperFi_84
- Track 20 : AN9_83, Travvers_84, ANI8_83, VC3_82, C3_76
- Track 21 : Koduck_84, L5_77
- Track 22 : Trooper_83
- Track 23 : Lokk_79, Rachaly_81
- Track 24 : AN3_84, VA6_84
- Track 25 : Piro94_83, Drake55_85, Sknot_84, HarryHoudini_84, Terrific_85, NaSiaTalie_85, Centaur_84
- Track 26 : WeiHuaDA_86
- Track 27 : Duplo_85, Kerberos_84, DBQu4n_84, Pomar16_84, StarStuff_84, Tomathan_84
- Track 28 : ForesterFrank_79
- Track 29 : First_0085, 20ES_86

- Track 30 : MissWhite_77
- Track 31 : Trixie_84
- Track 32 : BiancaTri92_82
- Track 33 : Anselm_85, Retro23_84, Dalmatian_84, DudeLittle_82
- Track 34 : BabyBack_79
- Track 35 : LionsBait_83, HippoHollow_81
- Track 36 : Serenity_87, TipsytheTRex_83
- Track 37 : Quokka_86, MajorMajor_81, Bradman_87
- Track 38 : Changeling_83
- Track 39 : ArcherNM_79
- Track 40 : MiculUcigas_84, Flare16_84, Equemioh13_84, WideWale_85, Updawg_85, Gratitude_82
- Track 41 : Fameo_82, QueenB2_81
- Track 42 : NicoleTera_82
- Track 43 : Kalpine_86
- Track 44 : DeerParkTS_80
- Track 45 : Baehexic_83
- Track 46 : SwirlSquare_86
- Track 47 : TarsusIV_83
- Track 48 : Benvolio_83, Echild_87
- Track 49 : BengiVuitton_86, Deloris_86, LadyBird_88, CRB1_85
- Track 50 : EZMoney23_80
- Track 51 : BobSwaget_78, Miko_79
- Track 52 : NothingSpecial_79
- Track 53 : Adzzy_85
- Track 54 : GaugeLDP_78
- Track 55 : Malec_83
- Track 56 : Heffalump_81
- Track 57 : Jsquared_88
- Track 58 : JoshKayV_86
- Track 59 : Larenn_82
- Track 60 : Colin_83
- Track 61 : XianYue_83
- Track 62 : Prudy_79
- Track 63 : Che12_86
- Track 64 : Odin_83
- Track 65 : Acolyte_78
- Track 66 : Anthony_78
- Track 67 : FatCactus_76
- Track 68 : Chargerpower_84
- Track 69 : JHC117_79, Rummer_83, Soshari_86, SoYo_81, TinyPebbles_83, Beauxregard13_83, Daishi_83, Penny1_84, Tiffany_83, Methuselah_77, EpicPhail_85, Sabinator_82, Grum1_84, LarryKay_84, Louie6_83, Bxz2_79, PotatoSplit_85, MarQuardt_84, Grif_82, Vix_80, Dieselweasel_85, Hercules11_84, Croquant_81, Montavir_79, KADY_81, Gwennie_84, Wooldri_86, BuzzBuzz_78, Colbster_80, P28Green_84, Anubis_88, Phoebe_85
- Track 70 : HashRod_85, LugYA_87, MadMarie_82, Grub_82, Mainiac_83, Cullens_85, LBerry_85, Marie_82, MoneyMay_84, JenCasNa_85, PGHhamlin_86, Stagni_81, Pembroke_84, Ollie_84, Spike509_84, Watson_83, Microwolf_80, Lilith_82, Taurus_85, Lowa_81, Aglet_85, Sabia_82, Snickers_84, Bigflo_81, GingkoMaracino_84, DaHudson_83, StepMih_84, Jobu08_80, GtownJaz_84, BreSam8_84, Fernando_85, Malinsilva_87

- Track 71 : Groupthink_84, Manu_83, Kalb97_84, PhishRPhriends_80, Kalnoky_84, Reba_79, Pawn_82, Marius_84, HaveUMetTed_84, Calvinny_83, Heliosoles_81
- Track 72 : Gemma_81, ClownCar_83
- Track 73 : JeppNRM_84
- Track 74 : AugsMagnumOpus_87, MuchMore_87
- Track 75 : Phoxy_84
- Track 76 : OlanP_82
- Track 77 : SoilDragon_84
- Track 78 : LoneWolf_88
- Track 79 : DreamTeam1_83, Klodlith_84, Charm_83
- Track 80 : Minispark_85, Bellris_87, WorldCup_86, CogOmlette_85, Rahalelujah_87
- Track 81 : Onglai_86, Phonnegut_88, Jiawan_86, Alma_86, Pioneer_88, EdogawaKiddo_87, RyeScarlet_89, Beemo_88, Scherzo_86, Sachima_84, Hanray_86, Ugenie5_75, Halex_87, Lilleskat_85
- Track 82 : Vanisoa_83
- Track 83 : Aliter_81, Catalina_90, Tubs_88, Myxus_88, HortumSL17_89, Phaeder_88
- Track 84 : Fayely_86, Eidsmoe_86, EmyBug_85, ExplosioNervosa_86, Priya_86, Qobbit_86, Ayanochan_85, Spouty_86
- Track 85 : Celestialunch_83, MegTheThird_84
- Track 86 : Keziacharles14_85
- Track 87 : Conquerage_86
- Track 88 : BogosyJay_87, Maminiaina_87
- Track 89 : Darrell_86
- Track 90 : Yecey3_89
- Track 91 : Sheakeira_83
- Track 92 : Arissanae_83
- Track 93 : Toaka_86
- Track 94 : Elephantoon_88
- Track 95 : Settecandela_184
- Track 96 : BartholomewSD_70
- Track 97 : Alvy_70
- Track 98 : TinaBelcher_66
- Track 99 : Thestral_68
- Track 100 : Animus_65
- Track 101 : GirlDinner_65, Janus_66, SqueakyClean_66
- Track 102 : Bowden_66
- Track 103 : Issmi_67
- Track 104 : TrvxScott_65
- Track 105 : Paedore_70
- Track 106 : CoffeeBean_4
- Track 107 : Braxoaddie_4
- Track 108 : Apiary_4, Maselop_4
- Track 109 : Gagieri_4
- Track 110 : Polyuyuki_4
- Track 111 : Frizzle_48
- Track 112 : Archimedes_49
- Track 113 : Ghobes_49
- Track 114 : Sapo_49
- Track 115 : Cafasso_153, ModicumRichard_153, Aleemily_151, ObLaDi_153
- Track 116 : Morgana_160
- Track 117 : Colossa_161
- Track 118 : VanLee_161

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

The start number called the most often in the published annotations is 30, it was called in 141 of the 280 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_86, AN3_84, AN9_83, ANI8_83, AbbyPaige_86, Acolyte_78, Adzzy_85, Agape74_86, Aliter_81, Alma_86, Aneem_87, AnnaL29_86, Anselm_85, Arissanae_83, Ayanochan_85, Bachome_84, Baehexic_83, Beemo_88, Bellris_87, BengiVuitton_86, BobSwaget_78, BogosyJay_87, Bowtie_83, Bradman_87, Bud_81, C3_76, CRB1_85, Caraxes_85, Catalina_90, Celestiallunch_83, Centaur_84, Changeling_83, Chargerpower_84, Charm_83, Che12_86, ChipMunk_85, CogOmlette_85, Conquerage_86, Crucio_84, DBQu4n_84, Dalmatian_84, Darrell_86, Deloris_86, Dignity_86, Drake55_85, DreamTeam1_83, DudeLittle_82, Duplo_85, Ebony_86, EdogawaKiddo_87, Eidsmoe_86, Elephantoon_88, EmyBug_85, Equemioh13_84, Et2Brutus_85, EvilGenius_84, ExplosioNervosa_86, Fameo_82, Fayely_86, Fibonacci_85, FiringLine_84, First_0085, Flare16_84, Flaverint_87, Georgie2_86, Gilberta_83, Gratitude_82, Hanray_86, HarryHoudini_84, Halex_87, HortumSL17_89, Hutc2_82, Insomnia_85, Jabith_85, Jerm_86, Jiawan_86, Joselito_85, JoshKayV_86, Jsquared_88, Kerberos_84, Keziacharles14_85, Kimba_83, KingCyrus_83, Klodlith_84, Koduck_84, L5_77, LadyBird_88, Larenn_82, Leviathan_86, LilTurb_85, Lilleskat_85, LogiBear_79, LoneWolf_88, Loser_87, Lucivia_87, MaCh_86, Mabel_86, MajorMajor_81, Malec_83, Maminiaina_87, MegTheThird_84, MiculUcigas_84, Miko_79, Minispark_85, MissWhite_77, Mulciber_84, Munch_86, Myxus_88, NaSiaTalie_85, Odin_83, Onglai_86, Orange_86, Petersenfast_82, Ph8s_85, Phaeder_88, Phonnegut_88, Pioneer_88, Piro94_83, Pomar16_84, Power_84, Priya_86, Qobbit_86, QueenB2_81, QueenBeesly_84, Quokka_86, Rahalelujah_87, RedRock_84, Retro23_84, RyeScarlet_89, Sachima_84, Salz_81, Saskia_84, Scherzo_86, SemperFi_84, Serenity_87, Sham4_82, Sheakeira_83, Sknot_84, Smeagan_87, SnapTap_84, Snape_86, Spouty_86, StarStuff_84, Superchunk_84, SweetiePie_84, SwirlSquare_86, Terrific_85, Timothy_86, TinyTimmy_84, TipsytheTRex_83, Toaka_86, Tomathan_84, Travvers_84, Tubs_88, Turbido_85, Ugenie5_75, Updawg_85, VA6_84, VC3_82, Vanisoa_83, WeiHuaDA_86, Whabigail7_84, WideWale_85, Wolpertinger_85, WorldCup_86, XianYue_83, Yecey3_89,

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

- Heffalump_81, Kalpine_86, Trixie_84,

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

- 40AC_79, Aglet_85, Aleemily_151, Alvy_70, Animus_65, Anthony_78, Anubis_88, Apiary_4, ArcherNM_79, Archimedes_49, AugsMagnumOpus_87, BabyBack_79, BartholomewSD_70, Beauxregard13_83, Benvolio_83, BiancaTri92_82, Bigflo_81, Bowden_66, Braxoaddie_4, BreSam8_84, BuzzBuzz_78, Bxz2_79, Cafasso_153, Calvinny_83, ClownCar_83, CoffeeBean_4, Colbster_80, Colin_83, Colossa_161, Croquant_81, Cullens_85, DaHudson_83, Daishi_83, DarthPhader_84, DeerParkTS_80, Dieselweasel_85, EZMoney23_80, EagleEye_84, Echild_87, EpicPhail_85, Epsocamisio_85, FatCactus_76, Fernando_85, ForesterFrank_79,

Frizzle_48, Gagieri_4, GaugeLDP_78, Gemma_81, Ghobes_49, GingkoMaracino_84, GirlDinner_65, Grif_82, Groupthink_84, Grub_82, Grum1_84, GtownJaz_84, Gwennie_84, HashRod_85, HaveUMetTed_84, Heliosoles_81, Hercules11_84, HippoHollow_81, Issmi_67, JHC117_79, Janus_66, JenCasNa_85, JeppNRM_84, Jobu08_80, KADY_81, Kalb97_84, Kalnoky_84, LBerry_85, LarryKay_84, Lilith_82, LionsBait_83, Loka_79, Louie6_83, Lowa_81, Lucyedi_83, LugYA_87, MadMarie_82, Mainiac_83, Malinsilva_87, Manu_83, MarQuardt_84, Marie_82, Marius_84, Maselop_4, Methuselah_77, Microwolf_80, ModicumRichard_153, MoneyMay_84, Montavir_79, Morgana_160, MuchMore_87, Nedarya_84, NicoleTera_82, NothingSpecial_79, ObLaDi_153, OlanP_82, Ollie_84, Oofda_88, P28Green_84, PGHhamlin_86, Paedore_70, PainterBoy_83, Pawn_82, Pembroke_84, Penny1_84, PhishRPhriends_80, Phoebe_85, Phoxy_84, Polyyuki_4, PotatoSplit_85, Prudy_79, Rachaly_81, Reba_79, Refuge_86, Remus_88, Rummer_83, Sabia_82, Sabinator_82, Sapo_49, Settecandela_184, Snickers_84, SoYo_81, SoilDragon_84, Soshari_86, Soups_87, Spike509_84, SqueakyClean_66, Stagni_81, Steamy_83, StepMih_84, Strosahl_88, TarsusIV_83, Taurus_85, Thestral_68, Tiffany_83, TinaBelcher_66, TinyPebbles_83, Trooper_83, TrvxScott_65, VanLee_161, Vix_80, Warrior24_89, Watson_83, Wooldri_86, Zimmer_85,

Summary by start number:

Start 9:

- Found in 4 of 319 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Braxoaddie_4 (CR6),

Start 15:

- Found in 5 of 319 (1.6%) of genes in pham
- Manual Annotations of this start: 2 of 280
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Alvy_70 (BD2), TrvxScott_65 (BD2),

Start 18:

- Found in 4 of 319 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Soups_87 (A15),

Start 20:

- Found in 50 of 319 (15.7%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 2.0% of time when present
- Phage (with cluster) where this start called: TinaBelcher_66 (BD2),

Start 21:

- Found in 36 of 319 (11.3%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 2.8% of time when present
- Phage (with cluster) where this start called: SoilDragon_84 (A3),

Start 24:

- Found in 6 of 319 (1.9%) of genes in pham

- Manual Annotations of this start: 5 of 280
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Apiary_4 (CR6), CoffeeBean_4 (CR6), Gagieri_4 (CR6), Maselop_4 (CR6), Polyuyuki_4 (CR6),

Start 26:

- Found in 3 of 319 (0.9%) of genes in pham
- Manual Annotations of this start: 3 of 280
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frizzle_48 (DA), Ghobes_49 (DA), Sapo_49 (DA),

Start 27:

- Found in 8 of 319 (2.5%) of genes in pham
- Manual Annotations of this start: 3 of 280
- Called 50.0% of time when present
- Phage (with cluster) where this start called: ForesterFrank_79 (A2), Heffalump_81 (A2), Kalpine_86 (A2), Trixie_84 (A2),

Start 28:

- Found in 83 of 319 (26.0%) of genes in pham
- Manual Annotations of this start: 78 of 280
- Called 98.8% of time when present
- Phage (with cluster) where this start called: Aglet_85 (A3), Anubis_88 (A3), Beauxregard13_83 (A3), Bigflo_81 (A3), BreSam8_84 (A3), BuzzBuzz_78 (A3), Bxz2_79 (A3), Calvinny_83 (A3), ClownCar_83 (A3), Colbster_80 (A3), Croquant_81 (A3), Cullens_85 (A3), DaHudson_83 (A3), Daishi_83 (A3), Dieselweasel_85 (A3), EagleEye_84 (A16), EpicPhail_85 (A3), Fernando_85 (A3), Gemma_81 (A3), GingkoMaracino_84 (A3), Grif_82 (A3), Groupthink_84 (A3), Grub_82 (A3), Grum1_84 (A3), GtownJaz_84 (A3), Gwennie_84 (A3), HashRod_85 (A3), HaveUMetTed_84 (A3), Heliosoles_81 (A3), Hercules11_84 (A3), JHC117_79 (A3), JenCasNa_85 (A3), JeppNRM_84 (A3), Jobu08_80 (A3), KADY_81 (A3), Kalb97_84 (A3), Kalnoky_84 (A3), LBerry_85 (A3), LarryKay_84 (A3), Lilith_82 (A3), Louie6_83 (A3), Iowa_81 (A3), Lucyedi_83 (A16), LugYA_87 (A3), MadMarie_82 (A3), Mainiac_83 (A3), Malinsilva_87 (A3), Manu_83 (A3), MarQuardt_84 (A3), Marie_82 (A3), Marius_84 (A3), Methuselah_77 (A3), Microwolf_80 (A3), MoneyMay_84 (A3), Montavir_79 (A3), OlanP_82 (A3), Ollie_84 (A3), P28Green_84 (A3), PGHhamlin_86 (A3), PainterBoy_83 (A16), Pawn_82 (A3), Pembroke_84 (A3), Penny1_84 (A3), PhishRPhriends_80 (A3), Phoebe_85 (A3), PotatoSplit_85 (A3), Reba_79 (A3), Rummer_83 (A3), Sabia_82 (A3), Sabinator_82 (A3), Snickers_84 (A3), SoYo_81 (A3), Soshari_86 (A3), Spike509_84 (A3), Stagni_81 (A3), StepMih_84 (A3), Taurus_85 (A3), Tiffany_83 (A3), TinyPebbles_83 (A3), Vix_80 (A3), Watson_83 (A3), Wooldri_86 (A3),

Start 29:

- Found in 22 of 319 (6.9%) of genes in pham
- Manual Annotations of this start: 16 of 280
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArcherNM_79 (A2), BabyBack_79 (A2), Benvolio_83 (A2), BiancaTri92_82 (A2), Colin_83 (A2), DarthPhader_84 (A12), DeerParkTS_80 (A2), EZMoney23_80 (A2), Echid_87 (A2), GaugeLDP_78 (A2), HippoHollow_81 (A2), LionsBait_83 (A2), Lokk_79 (A2), NicoleTera_82 (A2), NothingSpecial_79 (A2), Prudy_79 (A2), Rachaly_81 (A2), Refuge_86 (A12),

Steamy_83 (A12), TarsusIV_83 (A2), Trooper_83 (A2), Zimmer_85 (A12),

Start 30:

- Found in 170 of 319 (53.3%) of genes in pham
- Manual Annotations of this start: 141 of 280
- Called 98.2% of time when present
- Phage (with cluster) where this start called: 20ES_86 (A2), AN3_84 (A2), AN9_83 (A2), ANI8_83 (A2), AbbyPaige_86 (A2), Acolyte_78 (A2), Adzzy_85 (A2), Agape74_86 (A2), Aliter_81 (A9), Alma_86 (A9), Aneem_87 (A11), AnnaL29_86 (A2), Anselm_85 (A2), Arissanae_83 (A9), Ayanochan_85 (A9), Bachome_84 (A11), Baehexic_83 (A2), Beemo_88 (A9), Bellris_87 (A9), BengiVuitton_86 (A2), BobSwaget_78 (A2), BogosyJay_87 (A9), Bowtie_83 (A11), Bradman_87 (A2), Bud_81 (A11), C3_76 (A2), CRB1_85 (A2), Caraxes_85 (A2), Catalina_90 (A9), Celestiallunch_83 (A9), Centaur_84 (A2), Changeling_83 (A2), Chargerpower_84 (A22), Charm_83 (A9), Che12_86 (A2), ChipMunk_85 (A2), CogOmlette_85 (A9), Conquerage_86 (A9), Crucio_84 (A2), DBQu4n_84 (A2), Dalmatian_84 (A2), Darrell_86 (A9), Deloris_86 (A2), Dignity_86 (A2), Drake55_85 (A2), DreamTeam1_83 (A9), DudeLittle_82 (A2), Duplo_85 (A2), Ebony_86 (A11), EdogawaKiddo_87 (A9), Eidsmoe_86 (A9), Elephantoon_88 (A9), EmyBug_85 (A9), Equemioh13_84 (A2), Et2Brutus_85 (A11), EvilGenius_84 (A2), ExplosioNervosa_86 (A9), Fameo_82 (A2), Fayely_86 (A9), Fibonacci_85 (A11), FiringLine_84 (A2), First_0085 (A2), Flare16_84 (A2), Flaverint_87 (A11), Georgie2_86 (A2), Gilberta_83 (A11), Gratitude_82 (A2), Hanray_86 (A9), HarryHoudini_84 (A2), Halex_87 (A9), HortumSL17_89 (A9), Hutc2_82 (A11), Insomnia_85 (A11), Jabith_85 (A11), Jerm_86 (A2), Jiawan_86 (A9), Joselito_85 (A11), JoshKayV_86 (A2), Jsquared_88 (A2), Kerberos_84 (A2), Keziacharles14_85 (A9), Kimba_83 (A11), KingCyrus_83 (A2), Klodlith_84 (A9), Koduck_84 (A2), L5_77 (A2), LadyBird_88 (A2), Larenn_82 (A2), Leviathan_86 (A2), LilTurb_85 (A2), Lilleskat_85 (A9), LogiBear_79 (A15), LoneWolf_88 (A9), Loser_87 (A2), Lucivia_87 (A11), MaCh_86 (A11), Mabel_86 (A11), MajorMajor_81 (A2), Malec_83 (A2), Maminiaina_87 (A9), MegTheThird_84 (A9), MiculUcigas_84 (A2), Miko_79 (A2), Minispark_85 (A9), MissWhite_77 (A2), Mulciber_84 (A11), Munch_86 (A11), Myxus_88 (A9), NaSiaTalie_85 (A2), Odin_83 (A2), Onglai_86 (A9), Orange_86 (A11), Petersenfast_82 (A11), Ph8s_85 (A2), Phaeder_88 (A9), Phonnegut_88 (A9), Pioneer_88 (A9), Piro94_83 (A2), Pomar16_84 (A2), Power_84 (A2), Priya_86 (A9), Qobbit_86 (A9), QueenB2_81 (A2), QueenBeesly_84 (A2), Quokka_86 (A2), Rahalelujah_87 (A9), RedRock_84 (A2), Retro23_84 (A2), RyeScarlet_89 (A9), Sachima_84 (A9), Salz_81 (A11), Saskia_84 (A11), Scherzo_86 (A9), SemperFi_84 (A2), Serenity_87 (A2), Sham4_82 (A11), SheaKeira_83 (A9), Sknot_84 (A2), Smeagan_87 (A2), SnapTap_84 (A2), Snape_86 (A11), Spouty_86 (A9), StarStuff_84 (A2), Superchunk_84 (A2), SweetiePie_84 (A2), SwirlSquare_86 (A2), Terrific_85 (A2), Timothy_86 (A11), TinyTimmy_84 (A11), TipsytheTRex_83 (A2), Toaka_86 (A9), Tomathan_84 (A2), Travvers_84 (A2), Tubs_88 (A9), Turbido_85 (A2), Ugenie5_75 (A9), Updawg_85 (A2), VA6_84 (A2), VC3_82 (A2), Vanisoa_83 (A9), WeiHuaDA_86 (A2), Whabigail7_84 (A2), WideWale_85 (A2), Wolpertinger_85 (A11), WorldCup_86 (A9), XianYue_83 (A2), Yecey3_89 (A9),

Start 31:

- Found in 2 of 319 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anthony_78 (A20), FatCactus_76 (A20),

Start 32:

- Found in 7 of 319 (2.2%) of genes in pham
- Manual Annotations of this start: 6 of 280
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Epsocamisio_85 (A15), Nedarya_84 (A15), Oofda_88 (A15), Remus_88 (A15), Strosahl_88 (A15), Warrior24_89 (A15),

Start 33:

- Found in 2 of 319 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 40AC_79 (A17), Archimedes_49 (DA),

Start 34:

- Found in 1 of 319 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 100.0% of time when present
- Phage (with cluster) where this start called: VanLee_161 (KA),

Start 35:

- Found in 18 of 319 (5.6%) of genes in pham
- Manual Annotations of this start: 15 of 280
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Aleemily_151 (DZ), Animus_65 (BD2), BartholomewSD_70 (BD2), Bowden_66 (BD2), Cafasso_153 (DZ), Colossa_161 (KA), GirlDinner_65 (BD2), Issmi_67 (BD2), Janus_66 (BD2), ModicumRichard_153 (DZ), Morgana_160 (DZ), ObLaDi_153 (DZ), Paedore_70 (BD2), SqueakyClean_66 (BD2), Thestral_68 (BD2),

Start 37:

- Found in 1 of 319 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Settecandela_184 (AA),

Start 47:

- Found in 82 of 319 (25.7%) of genes in pham
- Manual Annotations of this start: 1 of 280
- Called 1.2% of time when present
- Phage (with cluster) where this start called: Phoxy_84 (A3),

Start 50:

- Found in 207 of 319 (64.9%) of genes in pham
- Manual Annotations of this start: 2 of 280
- Called 1.0% of time when present
- Phage (with cluster) where this start called: AugsMagnumOpus_87 (A3), MuchMore_87 (A3),

Summary by clusters:

There are 16 clusters represented in this pham: A15, AA, A22, A16, A11, A12, KA, DA, A20, A3, A2, DZ, BD2, A9, CR6, A17,

Info for manual annotations of cluster A11:

- Start number 30 was manually annotated 27 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 29 was manually annotated 4 times for cluster A12.

Info for manual annotations of cluster A15:

- Start number 18 was manually annotated 1 time for cluster A15.
- Start number 32 was manually annotated 6 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 28 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 27 was manually annotated 3 times for cluster A2.
- Start number 29 was manually annotated 12 times for cluster A2.
- Start number 30 was manually annotated 76 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 31 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 30 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 21 was manually annotated 1 time for cluster A3.
- Start number 28 was manually annotated 75 times for cluster A3.
- Start number 47 was manually annotated 1 time for cluster A3.
- Start number 50 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster A9:

- Start number 30 was manually annotated 37 times for cluster A9.

Info for manual annotations of cluster AA:

- Start number 37 was manually annotated 1 time for cluster AA.

Info for manual annotations of cluster BD2:

- Start number 15 was manually annotated 2 times for cluster BD2.
- Start number 20 was manually annotated 1 time for cluster BD2.
- Start number 35 was manually annotated 9 times for cluster BD2.

Info for manual annotations of cluster CR6:

- Start number 9 was manually annotated 1 time for cluster CR6.
- Start number 24 was manually annotated 5 times for cluster CR6.

Info for manual annotations of cluster DA:

- Start number 26 was manually annotated 3 times for cluster DA.
- Start number 33 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DZ:

- Start number 35 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster KA:

- Start number 34 was manually annotated 1 time for cluster KA.
- Start number 35 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: 20ES_86 Start: 48476, Stop: 47718, Start Num: 30

Candidate Starts for 20ES_86:

(Start: 30 @48476 has 141 MA's), (39, 48455), (41, 48443), (43, 48413), (49, 48362), (Start: 50 @48341 has 2 MA's), (56, 48305), (57, 48296), (71, 48236), (96, 48152), (98, 48143), (109, 48089), (117, 48053), (130, 48005), (143, 47906), (147, 47879), (156, 47831), (166, 47741),

Gene: 40AC_79 Start: 47860, Stop: 47102, Start Num: 33

Candidate Starts for 40AC_79:

(Start: 33 @47860 has 1 MA's), (39, 47839), (41, 47827), (Start: 50 @47725 has 2 MA's), (55, 47695), (71, 47620), (82, 47578), (109, 47473), (122, 47422), (146, 47263), (147, 47260), (153, 47227), (166, 47125),

Gene: AN3_84 Start: 46734, Stop: 45979, Start Num: 30

Candidate Starts for AN3_84:

(Start: 30 @46734 has 141 MA's), (39, 46713), (43, 46671), (49, 46620), (Start: 50 @46599 has 2 MA's), (56, 46563), (57, 46554), (65, 46524), (71, 46494), (98, 46401), (109, 46347), (117, 46311), (119, 46308), (130, 46263), (143, 46164), (147, 46137), (156, 46089), (166, 45999),

Gene: AN9_83 Start: 46905, Stop: 46132, Start Num: 30

Candidate Starts for AN9_83:

(Start: 30 @46905 has 141 MA's), (39, 46881), (43, 46839), (46, 46815), (Start: 50 @46767 has 2 MA's), (55, 46737), (56, 46731), (72, 46659), (78, 46635), (82, 46620), (85, 46608), (109, 46506), (113, 46485), (147, 46293), (166, 46155),

Gene: ANI8_83 Start: 46905, Stop: 46132, Start Num: 30

Candidate Starts for ANI8_83:

(Start: 30 @46905 has 141 MA's), (39, 46881), (43, 46839), (46, 46815), (Start: 50 @46767 has 2 MA's), (55, 46737), (56, 46731), (72, 46659), (78, 46635), (82, 46620), (85, 46608), (109, 46506), (113, 46485), (147, 46293), (166, 46155),

Gene: AbbyPaige_86 Start: 48733, Stop: 47978, Start Num: 30

Candidate Starts for AbbyPaige_86:

(Start: 30 @48733 has 141 MA's), (39, 48712), (43, 48670), (46, 48646), (Start: 50 @48598 has 2 MA's), (63, 48529), (71, 48493), (94, 48415), (109, 48346), (113, 48325), (146, 48139), (147, 48136), (166, 47998),

Gene: Acolyte_78 Start: 47431, Stop: 46673, Start Num: 30

Candidate Starts for Acolyte_78:

(Start: 30 @47431 has 141 MA's), (39, 47407), (43, 47365), (46, 47341), (Start: 50 @47293 has 2 MA's), (55, 47263), (71, 47188), (76, 47167), (96, 47107), (98, 47098), (109, 47044), (117, 47008), (130, 46960), (146, 46837), (147, 46834), (166, 46696),

Gene: Adzzy_85 Start: 47246, Stop: 46503, Start Num: 30

Candidate Starts for Adzzy_85:

(4, 47456), (Start: 30 @47246 has 141 MA's), (39, 47228), (43, 47186), (49, 47135), (Start: 50 @47114 has 2 MA's), (64, 47042), (71, 47009), (84, 46961), (98, 46916), (105, 46889), (109, 46862), (146, 46667), (159, 46595), (166, 46526),

Gene: Agape74_86 Start: 48709, Stop: 47954, Start Num: 30

Candidate Starts for Agape74_86:

(Start: 30 @48709 has 141 MA's), (39, 48688), (43, 48646), (46, 48622), (Start: 50 @48574 has 2 MA's), (63, 48505), (71, 48469), (94, 48391), (109, 48322), (113, 48301), (146, 48115), (147, 48112), (166, 47974),

Gene: Aglet_85 Start: 47041, Stop: 46274, Start Num: 28

Candidate Starts for Aglet_85:

(Start: 21 @47074 has 1 MA's), (Start: 28 @47041 has 78 MA's), (39, 47020), (44, 46975), (46, 46954), (Start: 47 @46948 has 1 MA's), (Start: 50 @46906 has 2 MA's), (55, 46876), (57, 46861), (82, 46759), (83, 46756), (92, 46720), (109, 46648), (113, 46627), (134, 46498), (142, 46465), (146, 46438),

Gene: Aleemily_151 Start: 79896, Stop: 79123, Start Num: 35

Candidate Starts for Aleemily_151:

(Start: 35 @79896 has 15 MA's), (43, 79830), (46, 79806), (48, 79782), (54, 79743), (61, 79698), (69, 79668), (75, 79638), (81, 79629), (89, 79605), (98, 79578), (107, 79551), (113, 79512), (131, 79413), (134, 79392), (146, 79320), (148, 79314), (165, 79197), (169, 79158), (174, 79134),

Gene: Aliter_81 Start: 45863, Stop: 45102, Start Num: 30

Candidate Starts for Aliter_81:

(Start: 30 @45863 has 141 MA's), (43, 45803), (49, 45752), (51, 45725), (60, 45671), (71, 45623), (75, 45605), (82, 45581), (98, 45530), (105, 45503), (109, 45476), (146, 45263), (147, 45260), (153, 45227), (166, 45125),

Gene: Alma_86 Start: 48703, Stop: 47942, Start Num: 30

Candidate Starts for Alma_86:

(10, 48829), (Start: 30 @48703 has 141 MA's), (43, 48643), (46, 48619), (49, 48592), (51, 48565), (60, 48511), (71, 48463), (75, 48445), (82, 48421), (98, 48370), (105, 48343), (109, 48316), (146, 48103), (147, 48100), (153, 48067), (166, 47965),

Gene: Alvy_70 Start: 45833, Stop: 45003, Start Num: 15

Candidate Starts for Alvy_70:

(6, 45899), (Start: 15 @45833 has 2 MA's), (17, 45827), (Start: 20 @45791 has 1 MA's), (Start: 35 @45734 has 15 MA's), (36, 45728), (49, 45623), (51, 45596), (113, 45380), (125, 45341), (128, 45323), (131, 45284), (134, 45263),

Gene: Aneem_87 Start: 47779, Stop: 47021, Start Num: 30

Candidate Starts for Aneem_87:

(Start: 30 @47779 has 141 MA's), (39, 47755), (43, 47713), (49, 47662), (Start: 50 @47641 has 2 MA's), (52, 47632), (55, 47611), (56, 47605), (57, 47596), (78, 47509), (82, 47494), (98, 47446), (105, 47419), (109, 47392), (162, 47089), (166, 47044),

Gene: Animus_65 Start: 44661, Stop: 43927, Start Num: 35

Candidate Starts for Animus_65:

(Start: 35 @44661 has 15 MA's), (49, 44547), (87, 44394), (125, 44265), (131, 44208), (133, 44190), (134, 44187), (150, 44100),

Gene: AnnaL29_86 Start: 48866, Stop: 48111, Start Num: 30

Candidate Starts for AnnaL29_86:

(Start: 30 @48866 has 141 MA's), (39, 48845), (43, 48803), (46, 48779), (49, 48752), (Start: 50 @48731 has 2 MA's), (56, 48695), (57, 48686), (65, 48656), (71, 48626), (96, 48542), (98, 48533), (109, 48479), (117, 48443), (130, 48395), (147, 48269), (166, 48131),

Gene: Anselm_85 Start: 48617, Stop: 47859, Start Num: 30

Candidate Starts for Anselm_85:

(Start: 30 @48617 has 141 MA's), (39, 48596), (43, 48554), (46, 48530), (49, 48503), (Start: 50 @48482 has 2 MA's), (56, 48446), (64, 48410), (71, 48377), (96, 48293), (98, 48284), (109, 48230), (117, 48194), (130, 48146), (143, 48047), (146, 48023), (147, 48020), (166, 47882),

Gene: Anthony_78 Start: 46673, Stop: 45921, Start Num: 31

Candidate Starts for Anthony_78:

(23, 46715), (Start: 31 @46673 has 1 MA's), (39, 46652), (43, 46610), (46, 46586), (55, 46508), (70, 46436), (74, 46418), (94, 46361), (96, 46355), (98, 46346), (103, 46325), (109, 46292), (110, 46289), (143, 46106), (153, 46046),

Gene: Anubis_88 Start: 46927, Stop: 46160, Start Num: 28

Candidate Starts for Anubis_88:

(Start: 20 @46972 has 1 MA's), (Start: 28 @46927 has 78 MA's), (39, 46906), (44, 46861), (46, 46840), (Start: 47 @46834 has 1 MA's), (Start: 50 @46792 has 2 MA's), (55, 46762), (57, 46747), (82, 46645), (83, 46642), (92, 46606), (109, 46534), (113, 46513), (134, 46384), (142, 46351), (146, 46324),

Gene: Apiary_4 Start: 2670, Stop: 3488, Start Num: 24

Candidate Starts for Apiary_4:

(Start: 9 @2547 has 1 MA's), (Start: 24 @2670 has 5 MA's), (42, 2730), (65, 2889), (77, 2946), (80, 2958), (87, 2991), (89, 3000), (94, 3012), (97, 3024), (98, 3027), (123, 3126), (149, 3306),

Gene: ArcherNM_79 Start: 48007, Stop: 47249, Start Num: 29

Candidate Starts for ArcherNM_79:

(1, 48298), (2, 48220), (Start: 29 @48007 has 16 MA's), (39, 47986), (41, 47974), (46, 47920), (49, 47893), (55, 47842), (56, 47836), (71, 47767), (82, 47725), (86, 47707), (109, 47620), (113, 47599), (118, 47581), (146, 47410), (147, 47407), (153, 47374), (166, 47272),

Gene: Archimedes_49 Start: 39781, Stop: 40470, Start Num: 33

Candidate Starts for Archimedes_49:

(19, 39721), (25, 39766), (Start: 33 @39781 has 1 MA's), (40, 39805), (43, 39844), (52, 39925), (59, 39964), (67, 39994), (71, 40015), (89, 40066), (101, 40102), (113, 40156), (131, 40240), (135, 40264), (138, 40276), (154, 40357), (161, 40411), (164, 40429), (167, 40465),

Gene: Arissanae_83 Start: 48580, Stop: 47822, Start Num: 30

Candidate Starts for Arissanae_83:

(Start: 30 @48580 has 141 MA's), (39, 48562), (48, 48472), (49, 48469), (51, 48442), (68, 48358), (71, 48343), (75, 48325), (82, 48301), (98, 48250), (105, 48223), (109, 48196), (112, 48184), (113, 48175), (122, 48145), (147, 47980), (153, 47947), (166, 47845),

Gene: AugsMagnumOpus_87 Start: 46894, Stop: 46262, Start Num: 50

Candidate Starts for AugsMagnumOpus_87:

(Start: 50 @46894 has 2 MA's), (55, 46864), (57, 46849), (82, 46747), (83, 46744), (92, 46708), (109, 46636), (113, 46615), (134, 46486), (142, 46453), (146, 46426),

Gene: Ayanochan_85 Start: 48486, Stop: 47725, Start Num: 30

Candidate Starts for Ayanochan_85:

(Start: 30 @48486 has 141 MA's), (43, 48426), (49, 48375), (51, 48348), (60, 48294), (71, 48246), (75, 48228), (82, 48204), (98, 48153), (105, 48126), (106, 48123), (109, 48099), (146, 47886), (147, 47883), (153, 47850), (166, 47748),

Gene: BabyBack_79 Start: 47854, Stop: 47102, Start Num: 29

Candidate Starts for BabyBack_79:

(Start: 29 @47854 has 16 MA's), (39, 47833), (43, 47791), (46, 47767), (Start: 50 @47719 has 2 MA's), (55, 47689), (56, 47683), (70, 47617), (96, 47536), (109, 47473), (112, 47461), (113, 47452), (146, 47266), (147, 47263), (157, 47203), (166, 47125),

Gene: Bachome_84 Start: 46659, Stop: 45901, Start Num: 30

Candidate Starts for Bachome_84:

(Start: 30 @46659 has 141 MA's), (39, 46635), (43, 46593), (49, 46542), (Start: 50 @46521 has 2 MA's), (52, 46512), (55, 46491), (56, 46485), (57, 46476), (78, 46389), (82, 46374), (98, 46326), (105, 46299), (109, 46272), (162, 45969), (166, 45924),

Gene: Baehexic_83 Start: 48100, Stop: 47342, Start Num: 30

Candidate Starts for Baehexic_83:

(Start: 30 @48100 has 141 MA's), (39, 48079), (43, 48037), (46, 48013), (49, 47986), (Start: 50 @47965 has 2 MA's), (56, 47929), (57, 47920), (65, 47890), (71, 47860), (96, 47776), (98, 47767), (109, 47713), (117, 47677), (130, 47629), (143, 47530), (146, 47506), (147, 47503), (166, 47365),

Gene: BartholomewSD_70 Start: 44853, Stop: 44122, Start Num: 35

Candidate Starts for BartholomewSD_70:

(6, 45018), (Start: 15 @44952 has 2 MA's), (17, 44946), (Start: 20 @44910 has 1 MA's), (Start: 35 @44853 has 15 MA's), (36, 44847), (49, 44742), (51, 44715), (113, 44499), (125, 44460), (128, 44442), (131, 44403), (134, 44382),

Gene: Beauxregard13_83 Start: 47044, Stop: 46277, Start Num: 28

Candidate Starts for Beauxregard13_83:

(Start: 20 @47089 has 1 MA's), (Start: 28 @47044 has 78 MA's), (39, 47023), (44, 46978), (46, 46957), (Start: 47 @46951 has 1 MA's), (Start: 50 @46909 has 2 MA's), (55, 46879), (57, 46864), (82, 46762), (83, 46759), (92, 46723), (109, 46651), (113, 46630), (134, 46501), (142, 46468), (146, 46441),

Gene: Beemo_88 Start: 48697, Stop: 47936, Start Num: 30

Candidate Starts for Beemo_88:

(10, 48823), (Start: 30 @48697 has 141 MA's), (43, 48637), (46, 48613), (49, 48586), (51, 48559), (60, 48505), (71, 48457), (75, 48439), (82, 48415), (98, 48364), (105, 48337), (109, 48310), (146, 48097), (147, 48094), (153, 48061), (166, 47959),

Gene: Bellris_87 Start: 48215, Stop: 47454, Start Num: 30

Candidate Starts for Bellris_87:

(Start: 30 @48215 has 141 MA's), (43, 48155), (46, 48131), (49, 48104), (51, 48077), (60, 48023), (71, 47975), (82, 47933), (98, 47882), (105, 47855), (109, 47828), (113, 47807), (122, 47777), (147, 47612), (166, 47477),

Gene: BengiVuitton_86 Start: 48581, Stop: 47823, Start Num: 30

Candidate Starts for BengiVuitton_86:

(Start: 30 @48581 has 141 MA's), (39, 48560), (43, 48518), (49, 48467), (Start: 50 @48446 has 2 MA's), (56, 48410), (57, 48401), (65, 48371), (71, 48341), (98, 48248), (109, 48194), (117, 48158), (130, 48110), (143, 48011), (147, 47984), (156, 47936), (166, 47846),

Gene: Benvolio_83 Start: 48347, Stop: 47592, Start Num: 29

Candidate Starts for Benvolio_83:

(Start: 29 @48347 has 16 MA's), (39, 48326), (43, 48284), (46, 48260), (Start: 50 @48212 has 2 MA's), (52, 48203), (55, 48182), (56, 48176), (82, 48065), (96, 48023), (109, 47960), (113, 47939), (146, 47753), (147, 47750), (157, 47690), (166, 47612),

Gene: BiancaTri92_82 Start: 48189, Stop: 47455, Start Num: 29

Candidate Starts for BiancaTri92_82:

(5, 48357), (Start: 29 @48189 has 16 MA's), (43, 48132), (49, 48081), (74, 47940), (76, 47934), (92, 47892), (109, 47820), (134, 47673), (146, 47613), (147, 47610), (159, 47541),

Gene: Bigflo_81 Start: 47040, Stop: 46273, Start Num: 28

Candidate Starts for Bigflo_81:

(Start: 21 @47073 has 1 MA's), (Start: 28 @47040 has 78 MA's), (39, 47019), (44, 46974), (46, 46953), (Start: 47 @46947 has 1 MA's), (Start: 50 @46905 has 2 MA's), (55, 46875), (57, 46860), (82, 46758), (83, 46755), (92, 46719), (109, 46647), (113, 46626), (134, 46497), (142, 46464), (146, 46437),

Gene: BobSwaget_78 Start: 46119, Stop: 45361, Start Num: 30

Candidate Starts for BobSwaget_78:

(Start: 30 @46119 has 141 MA's), (39, 46098), (41, 46086), (49, 46005), (71, 45879), (76, 45858), (82, 45837), (96, 45795), (109, 45732), (134, 45582), (147, 45519), (166, 45384),

Gene: BogosyJay_87 Start: 48744, Stop: 47986, Start Num: 30

Candidate Starts for BogosyJay_87:

(Start: 30 @48744 has 141 MA's), (39, 48726), (48, 48636), (49, 48633), (51, 48606), (60, 48555), (71, 48507), (75, 48489), (82, 48465), (98, 48414), (105, 48387), (109, 48360), (112, 48348), (122, 48309), (147, 48144), (153, 48111), (166, 48009),

Gene: Bowden_66 Start: 45374, Stop: 44640, Start Num: 35

Candidate Starts for Bowden_66:

(Start: 15 @45473 has 2 MA's), (17, 45467), (Start: 20 @45431 has 1 MA's), (Start: 35 @45374 has 15 MA's), (38, 45365), (49, 45260), (51, 45233), (113, 45017), (125, 44978), (128, 44960), (131, 44921), (134, 44900),

Gene: Bowtie_83 Start: 46386, Stop: 45628, Start Num: 30

Candidate Starts for Bowtie_83:

(Start: 30 @46386 has 141 MA's), (39, 46362), (43, 46320), (49, 46269), (Start: 50 @46248 has 2 MA's), (52, 46239), (55, 46218), (56, 46212), (57, 46203), (78, 46116), (82, 46101), (98, 46053), (105, 46026), (109, 45999), (162, 45696), (166, 45651),

Gene: Bradman_87 Start: 47575, Stop: 46814, Start Num: 30

Candidate Starts for Bradman_87:

(Start: 30 @47575 has 141 MA's), (39, 47551), (43, 47509), (Start: 50 @47437 has 2 MA's), (55, 47407), (56, 47401), (71, 47332), (82, 47290), (98, 47242), (109, 47188), (129, 47104), (134, 47038), (146, 46978), (147, 46975), (162, 46882), (166, 46837),

Gene: Braxoaddie_4 Start: 2547, Stop: 3488, Start Num: 9

Candidate Starts for Braxoaddie_4:

(Start: 9 @2547 has 1 MA's), (Start: 24 @2670 has 5 MA's), (42, 2730), (65, 2889), (77, 2946), (80, 2958), (87, 2991), (89, 3000), (94, 3012), (97, 3024), (98, 3027), (123, 3126), (149, 3306), (156, 3348),

Gene: BreSam8_84 Start: 47034, Stop: 46267, Start Num: 28

Candidate Starts for BreSam8_84:

(Start: 21 @47067 has 1 MA's), (Start: 28 @47034 has 78 MA's), (39, 47013), (44, 46968), (46, 46947), (Start: 47 @46941 has 1 MA's), (Start: 50 @46899 has 2 MA's), (55, 46869), (57, 46854), (82, 46752), (83, 46749), (92, 46713), (109, 46641), (113, 46620), (134, 46491), (142, 46458), (146, 46431),

Gene: Bud_81 Start: 46216, Stop: 45458, Start Num: 30

Candidate Starts for Bud_81:

(Start: 30 @46216 has 141 MA's), (39, 46192), (43, 46150), (49, 46099), (Start: 50 @46078 has 2 MA's), (52, 46069), (55, 46048), (56, 46042), (57, 46033), (78, 45946), (82, 45931), (98, 45883), (105, 45856), (109, 45829), (162, 45526), (166, 45481),

Gene: BuzzBuzz_78 Start: 47069, Stop: 46302, Start Num: 28

Candidate Starts for BuzzBuzz_78:

(Start: 20 @47114 has 1 MA's), (Start: 28 @47069 has 78 MA's), (39, 47048), (44, 47003), (46, 46982), (Start: 47 @46976 has 1 MA's), (Start: 50 @46934 has 2 MA's), (55, 46904), (57, 46889), (82, 46787), (83, 46784), (92, 46748), (109, 46676), (113, 46655), (134, 46526), (142, 46493), (146, 46466),

Gene: Bxz2_79 Start: 47076, Stop: 46309, Start Num: 28

Candidate Starts for Bxz2_79:

(Start: 20 @47121 has 1 MA's), (Start: 28 @47076 has 78 MA's), (39, 47055), (44, 47010), (46, 46989), (Start: 47 @46983 has 1 MA's), (Start: 50 @46941 has 2 MA's), (55, 46911), (57, 46896), (82, 46794), (83, 46791), (92, 46755), (109, 46683), (113, 46662), (134, 46533), (142, 46500), (146, 46473),

Gene: C3_76 Start: 46905, Stop: 46132, Start Num: 30

Candidate Starts for C3_76:

(Start: 30 @46905 has 141 MA's), (39, 46881), (43, 46839), (46, 46815), (Start: 50 @46767 has 2 MA's), (55, 46737), (56, 46731), (72, 46659), (78, 46635), (82, 46620), (85, 46608), (109, 46506), (113, 46485), (147, 46293), (166, 46155),

Gene: CRB1_85 Start: 48729, Stop: 47971, Start Num: 30

Candidate Starts for CRB1_85:

(Start: 30 @48729 has 141 MA's), (39, 48708), (43, 48666), (49, 48615), (Start: 50 @48594 has 2 MA's), (56, 48558), (57, 48549), (65, 48519), (71, 48489), (98, 48396), (109, 48342), (117, 48306), (130, 48258), (143, 48159), (147, 48132), (156, 48084), (166, 47994),

Gene: Cafasso_153 Start: 80306, Stop: 79533, Start Num: 35

Candidate Starts for Cafasso_153:

(Start: 35 @80306 has 15 MA's), (43, 80240), (46, 80216), (48, 80192), (54, 80153), (61, 80108), (69, 80078), (75, 80048), (81, 80039), (89, 80015), (98, 79988), (107, 79961), (113, 79922), (131, 79823), (134, 79802), (146, 79730), (148, 79724), (165, 79607), (169, 79568), (174, 79544),

Gene: Calvinny_83 Start: 46852, Stop: 46085, Start Num: 28

Candidate Starts for Calvinny_83:

(Start: 20 @46897 has 1 MA's), (Start: 28 @46852 has 78 MA's), (39, 46831), (43, 46789), (44, 46786), (46, 46765), (Start: 47 @46759 has 1 MA's), (Start: 50 @46717 has 2 MA's), (55, 46687), (57, 46672), (82, 46570), (92, 46531), (96, 46522), (108, 46471), (109, 46459), (134, 46309), (146, 46249),

Gene: Caraxes_85 Start: 47204, Stop: 46461, Start Num: 30

Candidate Starts for Caraxes_85:

(Start: 30 @47204 has 141 MA's), (39, 47186), (43, 47144), (49, 47093), (Start: 50 @47072 has 2 MA's), (64, 47000), (71, 46967), (82, 46925), (84, 46919), (98, 46874), (105, 46847), (109, 46820), (111, 46811), (146, 46625), (153, 46589), (159, 46553), (166, 46484),

Gene: Catalina_90 Start: 48810, Stop: 48049, Start Num: 30

Candidate Starts for Catalina_90:

(Start: 30 @48810 has 141 MA's), (43, 48750), (49, 48699), (51, 48672), (60, 48618), (71, 48570), (75, 48552), (82, 48528), (98, 48477), (105, 48450), (109, 48423), (146, 48210), (147, 48207), (153, 48174), (166, 48072),

Gene: Celestiallunch_83 Start: 47947, Stop: 47189, Start Num: 30

Candidate Starts for Celestiallunch_83:

(Start: 30 @47947 has 141 MA's), (39, 47929), (49, 47836), (51, 47809), (71, 47710), (82, 47668), (93, 47632), (98, 47617), (105, 47590), (109, 47563), (113, 47542), (147, 47347), (153, 47314), (166, 47212),

Gene: Centaur_84 Start: 47978, Stop: 47220, Start Num: 30

Candidate Starts for Centaur_84:

(Start: 30 @47978 has 141 MA's), (39, 47957), (41, 47945), (43, 47915), (46, 47891), (49, 47864), (Start: 50 @47843 has 2 MA's), (56, 47807), (57, 47798), (65, 47768), (71, 47738), (82, 47696), (96, 47654), (98, 47645), (109, 47591), (117, 47555), (130, 47507), (143, 47408), (146, 47384), (147, 47381), (166, 47243),

Gene: Changeling_83 Start: 48672, Stop: 47914, Start Num: 30

Candidate Starts for Changeling_83:

(Start: 27 @48675 has 3 MA's), (Start: 30 @48672 has 141 MA's), (39, 48648), (43, 48606), (46, 48582), (49, 48555), (57, 48489), (63, 48465), (71, 48429), (94, 48351), (98, 48336), (109, 48282), (113, 48261), (146, 48075), (147, 48072), (166, 47934),

Gene: Chargerpower_84 Start: 46758, Stop: 45994, Start Num: 30

Candidate Starts for Chargerpower_84:

(13, 46863), (Start: 30 @46758 has 141 MA's), (39, 46731), (48, 46641), (49, 46638), (71, 46512), (82, 46470), (109, 46365), (113, 46344), (134, 46215), (146, 46155), (147, 46152), (166, 46017),

Gene: Charm_83 Start: 48094, Stop: 47330, Start Num: 30

Candidate Starts for Charm_83:

(Start: 30 @48094 has 141 MA's), (39, 48070), (49, 47977), (51, 47950), (71, 47851), (82, 47809), (98, 47758), (105, 47731), (109, 47704), (113, 47683), (147, 47488), (153, 47455), (166, 47353),

Gene: Che12_86 Start: 47324, Stop: 46581, Start Num: 30

Candidate Starts for Che12_86:

(Start: 30 @47324 has 141 MA's), (39, 47306), (43, 47264), (49, 47213), (Start: 50 @47192 has 2 MA's), (64, 47120), (71, 47087), (78, 47060), (84, 47039), (98, 46994), (105, 46967), (109, 46940), (146, 46745), (159, 46673), (166, 46604),

Gene: ChipMunk_85 Start: 49636, Stop: 48881, Start Num: 30

Candidate Starts for ChipMunk_85:

(Start: 30 @49636 has 141 MA's), (39, 49615), (43, 49573), (46, 49549), (Start: 50 @49501 has 2 MA's), (63, 49432), (71, 49396), (94, 49318), (109, 49249), (113, 49228), (146, 49042), (147, 49039), (166, 48901),

Gene: ClownCar_83 Start: 46847, Stop: 46080, Start Num: 28

Candidate Starts for ClownCar_83:

(Start: 21 @46886 has 1 MA's), (Start: 28 @46847 has 78 MA's), (39, 46826), (43, 46784), (44, 46781), (46, 46760), (Start: 47 @46754 has 1 MA's), (Start: 50 @46712 has 2 MA's), (55, 46682), (57, 46667), (82, 46565), (92, 46526), (96, 46517), (108, 46466), (109, 46454), (134, 46304), (146, 46244),

Gene: CoffeeBean_4 Start: 2679, Stop: 3497, Start Num: 24

Candidate Starts for CoffeeBean_4:

(Start: 24 @2679 has 5 MA's), (42, 2739), (45, 2763), (65, 2898), (77, 2955), (80, 2967), (87, 3000), (89, 3009), (94, 3021), (97, 3033), (98, 3036), (123, 3135), (149, 3315), (156, 3357),

Gene: CogOmlette_85 Start: 48212, Stop: 47451, Start Num: 30

Candidate Starts for CogOmlette_85:

(Start: 30 @48212 has 141 MA's), (43, 48152), (46, 48128), (49, 48101), (51, 48074), (60, 48020), (71, 47972), (82, 47930), (98, 47879), (105, 47852), (109, 47825), (113, 47804), (122, 47774), (147, 47609), (166, 47474),

Gene: Colbster_80 Start: 47044, Stop: 46277, Start Num: 28

Candidate Starts for Colbster_80:

(Start: 20 @47089 has 1 MA's), (Start: 28 @47044 has 78 MA's), (39, 47023), (44, 46978), (46, 46957), (Start: 47 @46951 has 1 MA's), (Start: 50 @46909 has 2 MA's), (55, 46879), (57, 46864), (82, 46762), (83, 46759), (92, 46723), (109, 46651), (113, 46630), (134, 46501), (142, 46468), (146, 46441),

Gene: Colin_83 Start: 49050, Stop: 48295, Start Num: 29

Candidate Starts for Colin_83:

(Start: 29 @49050 has 16 MA's), (39, 49029), (41, 49017), (43, 48987), (46, 48963), (48, 48939), (49, 48936), (71, 48810), (82, 48768), (98, 48717), (109, 48663), (113, 48642), (137, 48501), (146, 48456), (147, 48453), (153, 48420), (166, 48318),

Gene: Colossa_161 Start: 81802, Stop: 81059, Start Num: 35

Candidate Starts for Colossa_161:

(Start: 35 @81802 has 15 MA's), (46, 81712), (58, 81622), (72, 81568), (88, 81523), (89, 81520), (97, 81496), (105, 81469), (113, 81427), (131, 81340), (134, 81319), (135, 81316), (155, 81202),

Gene: Conquerage_86 Start: 48472, Stop: 47711, Start Num: 30

Candidate Starts for Conquerage_86:

(10, 48598), (Start: 30 @48472 has 141 MA's), (43, 48412), (46, 48388), (49, 48361), (51, 48334), (60, 48280), (71, 48232), (75, 48214), (82, 48190), (98, 48139), (105, 48112), (106, 48109), (109, 48085), (146, 47872), (147, 47869), (153, 47836), (166, 47734),

Gene: Croquant_81 Start: 47041, Stop: 46274, Start Num: 28

Candidate Starts for Croquant_81:

(Start: 20 @47086 has 1 MA's), (Start: 28 @47041 has 78 MA's), (39, 47020), (44, 46975), (46, 46954), (Start: 47 @46948 has 1 MA's), (Start: 50 @46906 has 2 MA's), (55, 46876), (57, 46861), (82, 46759), (83, 46756), (92, 46720), (109, 46648), (113, 46627), (134, 46498), (142, 46465), (146, 46438),

Gene: Crucio_84 Start: 48580, Stop: 47822, Start Num: 30

Candidate Starts for Crucio_84:

(Start: 30 @48580 has 141 MA's), (39, 48559), (43, 48517), (46, 48493), (49, 48466), (Start: 50 @48445 has 2 MA's), (56, 48409), (57, 48400), (71, 48340), (96, 48256), (98, 48247), (109, 48193), (117, 48157), (130, 48109), (143, 48010), (147, 47983), (158, 47917), (166, 47845),

Gene: Cullens_85 Start: 47043, Stop: 46276, Start Num: 28

Candidate Starts for Cullens_85:

(Start: 21 @47076 has 1 MA's), (Start: 28 @47043 has 78 MA's), (39, 47022), (44, 46977), (46, 46956), (Start: 47 @46950 has 1 MA's), (Start: 50 @46908 has 2 MA's), (55, 46878), (57, 46863), (82, 46761), (83, 46758), (92, 46722), (109, 46650), (113, 46629), (134, 46500), (142, 46467), (146, 46440),

Gene: DBQu4n_84 Start: 47950, Stop: 47177, Start Num: 30

Candidate Starts for DBQu4n_84:

(Start: 30 @47950 has 141 MA's), (39, 47926), (43, 47884), (46, 47860), (Start: 50 @47812 has 2 MA's), (55, 47782), (56, 47776), (78, 47680), (82, 47665), (85, 47653), (109, 47551), (113, 47530), (147, 47338), (166, 47200),

Gene: DaHudson_83 Start: 47033, Stop: 46266, Start Num: 28

Candidate Starts for DaHudson_83:

(Start: 21 @47066 has 1 MA's), (Start: 28 @47033 has 78 MA's), (39, 47012), (44, 46967), (46, 46946), (Start: 47 @46940 has 1 MA's), (Start: 50 @46898 has 2 MA's), (55, 46868), (57, 46853), (82, 46751), (83, 46748), (92, 46712), (109, 46640), (113, 46619), (134, 46490), (142, 46457), (146, 46430),

Gene: Daishi_83 Start: 45910, Stop: 45143, Start Num: 28

Candidate Starts for Daishi_83:

(Start: 20 @45955 has 1 MA's), (Start: 28 @45910 has 78 MA's), (39, 45889), (44, 45844), (46, 45823), (Start: 47 @45817 has 1 MA's), (Start: 50 @45775 has 2 MA's), (55, 45745), (57, 45730), (82, 45628), (83, 45625), (92, 45589), (109, 45517), (113, 45496), (134, 45367), (142, 45334), (146, 45307),

Gene: Dalmatian_84 Start: 48402, Stop: 47644, Start Num: 30

Candidate Starts for Dalmatian_84:

(Start: 30 @48402 has 141 MA's), (39, 48381), (43, 48339), (46, 48315), (49, 48288), (Start: 50 @48267 has 2 MA's), (56, 48231), (64, 48195), (71, 48162), (96, 48078), (98, 48069), (109, 48015), (117, 47979), (130, 47931), (143, 47832), (146, 47808), (147, 47805), (166, 47667),

Gene: Darrell_86 Start: 47900, Stop: 47139, Start Num: 30

Candidate Starts for Darrell_86:

(Start: 30 @47900 has 141 MA's), (43, 47840), (46, 47816), (49, 47789), (51, 47762), (62, 47699), (68, 47675), (71, 47660), (76, 47639), (82, 47618), (96, 47576), (98, 47567), (105, 47540), (109, 47513), (122, 47462), (146, 47300), (147, 47297), (166, 47162),

Gene: DARTHPhader_84 Start: 49603, Stop: 48851, Start Num: 29

Candidate Starts for DARTHPhader_84:

(Start: 29 @49603 has 16 MA's), (39, 49582), (41, 49570), (48, 49492), (49, 49489), (55, 49438), (71, 49363), (75, 49345), (76, 49342), (82, 49321), (96, 49279), (98, 49270), (109, 49216), (113, 49195), (120, 49177), (122, 49165), (134, 49066), (147, 49006), (157, 48946),

Gene: DeerParkTS_80 Start: 47075, Stop: 46323, Start Num: 29

Candidate Starts for DeerParkTS_80:

(Start: 27 @47078 has 3 MA's), (Start: 29 @47075 has 16 MA's), (39, 47054), (41, 47042), (46, 46988), (49, 46961), (55, 46910), (60, 46883), (71, 46835), (96, 46751), (109, 46688), (112, 46676), (146, 46481), (147, 46478), (153, 46445), (166, 46343),

Gene: Deloris_86 Start: 48274, Stop: 47516, Start Num: 30

Candidate Starts for Deloris_86:

(Start: 30 @48274 has 141 MA's), (39, 48253), (43, 48211), (49, 48160), (Start: 50 @48139 has 2 MA's), (56, 48103), (57, 48094), (65, 48064), (71, 48034), (98, 47941), (109, 47887), (117, 47851), (130, 47803), (143, 47704), (147, 47677), (156, 47629), (166, 47539),

Gene: Dieselweasel_85 Start: 47042, Stop: 46275, Start Num: 28

Candidate Starts for Dieselweasel_85:

(Start: 20 @47087 has 1 MA's), (Start: 28 @47042 has 78 MA's), (39, 47021), (44, 46976), (46, 46955), (Start: 47 @46949 has 1 MA's), (Start: 50 @46907 has 2 MA's), (55, 46877), (57, 46862), (82, 46760), (83, 46757), (92, 46721), (109, 46649), (113, 46628), (134, 46499), (142, 46466), (146, 46439),

Gene: Dignity_86 Start: 48816, Stop: 48061, Start Num: 30

Candidate Starts for Dignity_86:

(Start: 30 @48816 has 141 MA's), (39, 48795), (43, 48753), (46, 48729), (Start: 50 @48681 has 2 MA's), (63, 48612), (71, 48576), (94, 48498), (109, 48429), (113, 48408), (146, 48222), (147, 48219), (166, 48081),

Gene: Drake55_85 Start: 48229, Stop: 47471, Start Num: 30

Candidate Starts for Drake55_85:

(Start: 30 @48229 has 141 MA's), (39, 48208), (41, 48196), (43, 48166), (46, 48142), (49, 48115), (Start: 50 @48094 has 2 MA's), (56, 48058), (57, 48049), (65, 48019), (71, 47989), (82, 47947), (96, 47905), (98, 47896), (109, 47842), (117, 47806), (130, 47758), (143, 47659), (146, 47635), (147, 47632), (166, 47494),

Gene: DreamTeam1_83 Start: 47942, Stop: 47178, Start Num: 30

Candidate Starts for DreamTeam1_83:

(Start: 30 @47942 has 141 MA's), (39, 47918), (49, 47825), (51, 47798), (71, 47699), (82, 47657), (98, 47606), (105, 47579), (109, 47552), (113, 47531), (147, 47336), (153, 47303), (166, 47201),

Gene: DudeLittle_82 Start: 48120, Stop: 47362, Start Num: 30

Candidate Starts for DudeLittle_82:

(Start: 30 @48120 has 141 MA's), (39, 48099), (43, 48057), (46, 48033), (49, 48006), (Start: 50 @47985 has 2 MA's), (56, 47949), (64, 47913), (71, 47880), (96, 47796), (98, 47787), (109, 47733), (117, 47697), (130, 47649), (143, 47550), (146, 47526), (147, 47523), (166, 47385),

Gene: Duplo_85 Start: 48007, Stop: 47234, Start Num: 30

Candidate Starts for Duplo_85:

(Start: 30 @48007 has 141 MA's), (39, 47983), (43, 47941), (46, 47917), (Start: 50 @47869 has 2 MA's), (55, 47839), (56, 47833), (78, 47737), (82, 47722), (85, 47710), (109, 47608), (113, 47587), (147, 47395), (166, 47257),

Gene: EZMoney23_80 Start: 47682, Stop: 46924, Start Num: 29

Candidate Starts for EZMoney23_80:

(Start: 29 @47682 has 16 MA's), (39, 47661), (41, 47649), (46, 47595), (49, 47568), (60, 47490), (71, 47442), (82, 47400), (86, 47382), (96, 47358), (98, 47349), (109, 47295), (111, 47286), (113, 47274), (146, 47085), (147, 47082), (153, 47049), (166, 46947),

Gene: EagleEye_84 Start: 47602, Stop: 46832, Start Num: 28

Candidate Starts for EagleEye_84:

(14, 47695), (Start: 28 @47602 has 78 MA's), (39, 47581), (46, 47515), (Start: 50 @47467 has 2 MA's), (55, 47437), (70, 47365), (82, 47320), (96, 47269), (109, 47206), (113, 47185), (127, 47128), (146, 46996), (147, 46993), (162, 46900), (166, 46855),

Gene: Ebony_86 Start: 47350, Stop: 46592, Start Num: 30

Candidate Starts for Ebony_86:

(Start: 30 @47350 has 141 MA's), (39, 47326), (43, 47284), (49, 47233), (Start: 50 @47212 has 2 MA's), (52, 47203), (55, 47182), (56, 47176), (57, 47167), (78, 47080), (82, 47065), (98, 47017), (105, 46990), (109, 46963), (162, 46660), (166, 46615),

Gene: Echild_87 Start: 48371, Stop: 47616, Start Num: 29

Candidate Starts for Echild_87:

(Start: 29 @48371 has 16 MA's), (39, 48350), (43, 48308), (46, 48284), (Start: 50 @48236 has 2 MA's), (52, 48227), (55, 48206), (56, 48200), (82, 48089), (96, 48047), (109, 47984), (113, 47963), (146, 47777), (147, 47774), (157, 47714), (166, 47636),

Gene: EdogawaKiddo_87 Start: 48774, Stop: 48013, Start Num: 30

Candidate Starts for EdogawaKiddo_87:

(10, 48900), (Start: 30 @48774 has 141 MA's), (43, 48714), (46, 48690), (49, 48663), (51, 48636), (60, 48582), (71, 48534), (75, 48516), (82, 48492), (98, 48441), (105, 48414), (109, 48387), (146, 48174), (147, 48171), (153, 48138), (166, 48036),

Gene: Eidsmoe_86 Start: 48464, Stop: 47703, Start Num: 30

Candidate Starts for Eidsmoe_86:

(Start: 30 @48464 has 141 MA's), (43, 48404), (49, 48353), (51, 48326), (60, 48272), (71, 48224), (75, 48206), (82, 48182), (98, 48131), (105, 48104), (106, 48101), (109, 48077), (146, 47864), (147, 47861), (153, 47828), (166, 47726),

Gene: Elephantoon_88 Start: 48624, Stop: 47866, Start Num: 30

Candidate Starts for Elephantoon_88:

(Start: 30 @48624 has 141 MA's), (39, 48606), (48, 48516), (49, 48513), (51, 48486), (71, 48387), (75, 48369), (82, 48345), (98, 48294), (105, 48267), (109, 48240), (112, 48228), (122, 48189), (146, 48027), (147, 48024), (153, 47991), (166, 47889),

Gene: EmyBug_85 Start: 48466, Stop: 47705, Start Num: 30

Candidate Starts for EmyBug_85:

(Start: 30 @48466 has 141 MA's), (43, 48406), (49, 48355), (51, 48328), (60, 48274), (71, 48226), (75, 48208), (82, 48184), (98, 48133), (105, 48106), (106, 48103), (109, 48079), (146, 47866), (147, 47863), (153, 47830), (166, 47728),

Gene: EpicPhail_85 Start: 47044, Stop: 46277, Start Num: 28

Candidate Starts for EpicPhail_85:

(Start: 20 @47089 has 1 MA's), (Start: 28 @47044 has 78 MA's), (39, 47023), (44, 46978), (46, 46957), (Start: 47 @46951 has 1 MA's), (Start: 50 @46909 has 2 MA's), (55, 46879), (57, 46864), (82, 46762), (83, 46759), (92, 46723), (109, 46651), (113, 46630), (134, 46501), (142, 46468), (146, 46441),

Gene: Epsocamisio_85 Start: 46956, Stop: 46240, Start Num: 32

Candidate Starts for Epsocamisio_85:

(16, 47052), (Start: 18 @47022 has 1 MA's), (22, 47001), (Start: 32 @46956 has 6 MA's), (39, 46932), (49, 46839), (57, 46773), (70, 46716), (74, 46698), (82, 46671), (91, 46641), (94, 46635), (96, 46629), (98, 46620), (109, 46566), (112, 46554), (147, 46398),

Gene: Equemioh13_84 Start: 48207, Stop: 47449, Start Num: 30

Candidate Starts for Equemioh13_84:

(Start: 30 @48207 has 141 MA's), (39, 48186), (41, 48174), (43, 48144), (46, 48120), (49, 48093), (Start: 50 @48072 has 2 MA's), (56, 48036), (57, 48027), (65, 47997), (71, 47967), (96, 47883), (98, 47874), (109, 47820), (117, 47784), (130, 47736), (143, 47637), (146, 47613), (147, 47610), (166, 47472),

Gene: Et2Brutus_85 Start: 47313, Stop: 46555, Start Num: 30

Candidate Starts for Et2Brutus_85:

(Start: 30 @47313 has 141 MA's), (39, 47289), (43, 47247), (49, 47196), (Start: 50 @47175 has 2 MA's), (52, 47166), (55, 47145), (56, 47139), (57, 47130), (78, 47043), (82, 47028), (98, 46980), (105, 46953), (109, 46926), (162, 46623), (166, 46578),

Gene: EvilGenius_84 Start: 49637, Stop: 48882, Start Num: 30

Candidate Starts for EvilGenius_84:

(Start: 30 @49637 has 141 MA's), (39, 49616), (43, 49574), (46, 49550), (Start: 50 @49502 has 2 MA's), (63, 49433), (71, 49397), (94, 49319), (109, 49250), (113, 49229), (146, 49043), (147, 49040),

(166, 48902),

Gene: ExplosioNervosa_86 Start: 48532, Stop: 47771, Start Num: 30

Candidate Starts for ExplosioNervosa_86:

(Start: 30 @48532 has 141 MA's), (43, 48472), (49, 48421), (51, 48394), (60, 48340), (71, 48292), (75, 48274), (82, 48250), (98, 48199), (105, 48172), (106, 48169), (109, 48145), (146, 47932), (147, 47929), (153, 47896), (166, 47794),

Gene: Fameo_82 Start: 48132, Stop: 47374, Start Num: 30

Candidate Starts for Fameo_82:

(Start: 27 @48135 has 3 MA's), (Start: 30 @48132 has 141 MA's), (39, 48111), (43, 48069), (44, 48066), (46, 48045), (49, 48018), (Start: 50 @47997 has 2 MA's), (56, 47961), (57, 47952), (71, 47892), (96, 47808), (98, 47799), (109, 47745), (117, 47709), (130, 47661), (143, 47562), (147, 47535), (158, 47469), (166, 47397),

Gene: FatCactus_76 Start: 46136, Stop: 45384, Start Num: 31

Candidate Starts for FatCactus_76:

(23, 46178), (Start: 31 @46136 has 1 MA's), (39, 46115), (43, 46073), (46, 46049), (49, 46022), (52, 45992), (55, 45971), (56, 45965), (63, 45932), (70, 45899), (74, 45881), (94, 45824), (96, 45818), (98, 45809), (109, 45755), (110, 45752), (112, 45743), (143, 45569), (146, 45545), (147, 45542), (153, 45509),

Gene: Fayely_86 Start: 48440, Stop: 47679, Start Num: 30

Candidate Starts for Fayely_86:

(Start: 30 @48440 has 141 MA's), (43, 48380), (49, 48329), (51, 48302), (60, 48248), (71, 48200), (75, 48182), (82, 48158), (98, 48107), (105, 48080), (106, 48077), (109, 48053), (146, 47840), (147, 47837), (153, 47804), (166, 47702),

Gene: Fernando_85 Start: 47043, Stop: 46276, Start Num: 28

Candidate Starts for Fernando_85:

(Start: 21 @47076 has 1 MA's), (Start: 28 @47043 has 78 MA's), (39, 47022), (44, 46977), (46, 46956), (Start: 47 @46950 has 1 MA's), (Start: 50 @46908 has 2 MA's), (55, 46878), (57, 46863), (82, 46761), (83, 46758), (92, 46722), (109, 46650), (113, 46629), (134, 46500), (142, 46467), (146, 46440),

Gene: Fibonacci_85 Start: 47319, Stop: 46561, Start Num: 30

Candidate Starts for Fibonacci_85:

(Start: 30 @47319 has 141 MA's), (39, 47295), (43, 47253), (49, 47202), (Start: 50 @47181 has 2 MA's), (52, 47172), (55, 47151), (56, 47145), (57, 47136), (78, 47049), (82, 47034), (98, 46986), (105, 46959), (109, 46932), (162, 46629), (166, 46584),

Gene: FiringLine_84 Start: 48520, Stop: 47762, Start Num: 30

Candidate Starts for FiringLine_84:

(Start: 30 @48520 has 141 MA's), (39, 48499), (43, 48457), (46, 48433), (49, 48406), (Start: 50 @48385 has 2 MA's), (56, 48349), (57, 48340), (71, 48280), (96, 48196), (98, 48187), (109, 48133), (117, 48097), (130, 48049), (143, 47950), (147, 47923), (158, 47857), (166, 47785),

Gene: First_0085 Start: 48376, Stop: 47618, Start Num: 30

Candidate Starts for First_0085:

(Start: 30 @48376 has 141 MA's), (39, 48355), (41, 48343), (43, 48313), (49, 48262), (Start: 50 @48241 has 2 MA's), (56, 48205), (57, 48196), (71, 48136), (96, 48052), (98, 48043), (109, 47989), (117, 47953), (130, 47905), (143, 47806), (147, 47779), (156, 47731), (166, 47641),

Gene: Flare16_84 Start: 48022, Stop: 47264, Start Num: 30

Candidate Starts for Flare16_84:

(Start: 30 @48022 has 141 MA's), (39, 48001), (41, 47989), (43, 47959), (46, 47935), (49, 47908), (Start: 50 @47887 has 2 MA's), (56, 47851), (57, 47842), (65, 47812), (71, 47782), (96, 47698), (98, 47689), (109, 47635), (117, 47599), (130, 47551), (143, 47452), (146, 47428), (147, 47425), (166, 47287),

Gene: Flaverint_87 Start: 47777, Stop: 47019, Start Num: 30

Candidate Starts for Flaverint_87:

(Start: 30 @47777 has 141 MA's), (39, 47753), (43, 47711), (49, 47660), (Start: 50 @47639 has 2 MA's), (52, 47630), (55, 47609), (56, 47603), (57, 47594), (78, 47507), (82, 47492), (98, 47444), (105, 47417), (109, 47390), (162, 47087), (166, 47042),

Gene: ForesterFrank_79 Start: 48244, Stop: 47489, Start Num: 27

Candidate Starts for ForesterFrank_79:

(Start: 27 @48244 has 3 MA's), (39, 48226), (43, 48184), (49, 48133), (Start: 50 @48112 has 2 MA's), (57, 48067), (71, 48007), (96, 47923), (98, 47914), (109, 47860), (117, 47824), (130, 47776), (147, 47650), (162, 47557), (166, 47512),

Gene: Frizzle_48 Start: 39896, Stop: 40612, Start Num: 26

Candidate Starts for Frizzle_48:

(Start: 26 @39896 has 3 MA's), (43, 39971), (74, 40160), (99, 40226), (105, 40247), (108, 40259), (114, 40292), (131, 40373), (141, 40427), (157, 40511), (160, 40523), (161, 40541), (163, 40550), (171, 40607),

Gene: Gagieri_4 Start: 2567, Stop: 3388, Start Num: 24

Candidate Starts for Gagieri_4:

(Start: 24 @2567 has 5 MA's), (42, 2630), (45, 2654), (60, 2771), (61, 2777), (65, 2789), (77, 2846), (80, 2858), (87, 2891), (98, 2927), (102, 2942), (122, 3023), (139, 3146), (149, 3206),

Gene: GaugeLDP_78 Start: 47413, Stop: 46661, Start Num: 29

Candidate Starts for GaugeLDP_78:

(Start: 29 @47413 has 16 MA's), (39, 47392), (41, 47380), (43, 47350), (46, 47326), (Start: 50 @47278 has 2 MA's), (55, 47248), (56, 47242), (96, 47095), (109, 47032), (113, 47011), (146, 46825), (147, 46822), (157, 46762), (166, 46684), (168, 46672),

Gene: Gemma_81 Start: 46850, Stop: 46083, Start Num: 28

Candidate Starts for Gemma_81:

(Start: 21 @46889 has 1 MA's), (Start: 28 @46850 has 78 MA's), (39, 46829), (43, 46787), (44, 46784), (46, 46763), (Start: 47 @46757 has 1 MA's), (Start: 50 @46715 has 2 MA's), (55, 46685), (57, 46670), (82, 46568), (92, 46529), (96, 46520), (108, 46469), (109, 46457), (134, 46307), (146, 46247),

Gene: Georgie2_86 Start: 48724, Stop: 47966, Start Num: 30

Candidate Starts for Georgie2_86:

(Start: 30 @48724 has 141 MA's), (39, 48703), (43, 48661), (46, 48637), (49, 48610), (Start: 50 @48589 has 2 MA's), (56, 48553), (57, 48544), (71, 48484), (96, 48400), (98, 48391), (109, 48337), (117, 48301), (130, 48253), (143, 48154), (147, 48127), (158, 48061), (166, 47989),

Gene: Ghobes_49 Start: 39896, Stop: 40612, Start Num: 26

Candidate Starts for Ghobes_49:

(Start: 26 @39896 has 3 MA's), (41, 39941), (43, 39971), (74, 40160), (97, 40220), (99, 40226), (105, 40247), (108, 40259), (114, 40292), (131, 40373), (139, 40415), (141, 40427), (157, 40511), (161, 40541), (163, 40550), (171, 40607),

Gene: Gilberta_83 Start: 46653, Stop: 45895, Start Num: 30

Candidate Starts for Gilberta_83:

(Start: 30 @46653 has 141 MA's), (39, 46629), (43, 46587), (49, 46536), (Start: 50 @46515 has 2 MA's), (52, 46506), (55, 46485), (56, 46479), (57, 46470), (78, 46383), (82, 46368), (98, 46320), (105, 46293), (109, 46266), (162, 45963), (166, 45918),

Gene: GingkoMaracino_84 Start: 46926, Stop: 46159, Start Num: 28

Candidate Starts for GingkoMaracino_84:

(Start: 21 @46959 has 1 MA's), (Start: 28 @46926 has 78 MA's), (39, 46905), (44, 46860), (46, 46839), (Start: 47 @46833 has 1 MA's), (Start: 50 @46791 has 2 MA's), (55, 46761), (57, 46746), (82, 46644), (83, 46641), (92, 46605), (109, 46533), (113, 46512), (134, 46383), (142, 46350), (146, 46323),

Gene: GirlDinner_65 Start: 44150, Stop: 43422, Start Num: 35

Candidate Starts for GirlDinner_65:

(Start: 35 @44150 has 15 MA's), (49, 44036), (95, 43859), (134, 43676), (150, 43595), (152, 43577), (173, 43439),

Gene: Gratitude_82 Start: 48207, Stop: 47449, Start Num: 30

Candidate Starts for Gratitude_82:

(Start: 30 @48207 has 141 MA's), (39, 48186), (41, 48174), (43, 48144), (46, 48120), (49, 48093), (Start: 50 @48072 has 2 MA's), (56, 48036), (57, 48027), (65, 47997), (71, 47967), (96, 47883), (98, 47874), (109, 47820), (117, 47784), (130, 47736), (143, 47637), (146, 47613), (147, 47610), (166, 47472),

Gene: Grif_82 Start: 47117, Stop: 46350, Start Num: 28

Candidate Starts for Grif_82:

(Start: 20 @47162 has 1 MA's), (Start: 28 @47117 has 78 MA's), (39, 47096), (44, 47051), (46, 47030), (Start: 47 @47024 has 1 MA's), (Start: 50 @46982 has 2 MA's), (55, 46952), (57, 46937), (82, 46835), (83, 46832), (92, 46796), (109, 46724), (113, 46703), (134, 46574), (142, 46541), (146, 46514),

Gene: Groupthink_84 Start: 46851, Stop: 46084, Start Num: 28

Candidate Starts for Groupthink_84:

(Start: 20 @46896 has 1 MA's), (Start: 28 @46851 has 78 MA's), (39, 46830), (43, 46788), (44, 46785), (46, 46764), (Start: 47 @46758 has 1 MA's), (Start: 50 @46716 has 2 MA's), (55, 46686), (57, 46671), (82, 46569), (92, 46530), (96, 46521), (108, 46470), (109, 46458), (134, 46308), (146, 46248),

Gene: Grub_82 Start: 47033, Stop: 46266, Start Num: 28

Candidate Starts for Grub_82:

(Start: 21 @47066 has 1 MA's), (Start: 28 @47033 has 78 MA's), (39, 47012), (44, 46967), (46, 46946), (Start: 47 @46940 has 1 MA's), (Start: 50 @46898 has 2 MA's), (55, 46868), (57, 46853), (82, 46751), (83, 46748), (92, 46712), (109, 46640), (113, 46619), (134, 46490), (142, 46457), (146, 46430),

Gene: Grum1_84 Start: 47043, Stop: 46276, Start Num: 28

Candidate Starts for Grum1_84:

(Start: 20 @47088 has 1 MA's), (Start: 28 @47043 has 78 MA's), (39, 47022), (44, 46977), (46, 46956), (Start: 47 @46950 has 1 MA's), (Start: 50 @46908 has 2 MA's), (55, 46878), (57, 46863), (82, 46761), (83, 46758), (92, 46722), (109, 46650), (113, 46629), (134, 46500), (142, 46467), (146, 46440),

Gene: GtownJaz_84 Start: 47041, Stop: 46274, Start Num: 28

Candidate Starts for GtownJaz_84:

(Start: 21 @47074 has 1 MA's), (Start: 28 @47041 has 78 MA's), (39, 47020), (44, 46975), (46, 46954), (Start: 47 @46948 has 1 MA's), (Start: 50 @46906 has 2 MA's), (55, 46876), (57, 46861), (82, 46759), (83, 46756), (92, 46720), (109, 46648), (113, 46627), (134, 46498), (142, 46465), (146, 46438),

Gene: Gwennie_84 Start: 47044, Stop: 46277, Start Num: 28

Candidate Starts for Gwennie_84:

(Start: 20 @47089 has 1 MA's), (Start: 28 @47044 has 78 MA's), (39, 47023), (44, 46978), (46, 46957), (Start: 47 @46951 has 1 MA's), (Start: 50 @46909 has 2 MA's), (55, 46879), (57, 46864), (82, 46762), (83, 46759), (92, 46723), (109, 46651), (113, 46630), (134, 46501), (142, 46468), (146, 46441),

Gene: Hanray_86 Start: 48753, Stop: 47992, Start Num: 30

Candidate Starts for Hanray_86:

(10, 48879), (Start: 30 @48753 has 141 MA's), (43, 48693), (46, 48669), (49, 48642), (51, 48615), (60, 48561), (71, 48513), (75, 48495), (82, 48471), (98, 48420), (105, 48393), (109, 48366), (146, 48153), (147, 48150), (153, 48117), (166, 48015),

Gene: HarryHoudini_84 Start: 48232, Stop: 47474, Start Num: 30

Candidate Starts for HarryHoudini_84:

(Start: 30 @48232 has 141 MA's), (39, 48211), (41, 48199), (43, 48169), (46, 48145), (49, 48118), (Start: 50 @48097 has 2 MA's), (56, 48061), (57, 48052), (65, 48022), (71, 47992), (82, 47950), (96, 47908), (98, 47899), (109, 47845), (117, 47809), (130, 47761), (143, 47662), (146, 47638), (147, 47635), (166, 47497),

Gene: HashRod_85 Start: 47070, Stop: 46303, Start Num: 28

Candidate Starts for HashRod_85:

(Start: 21 @47103 has 1 MA's), (Start: 28 @47070 has 78 MA's), (39, 47049), (44, 47004), (46, 46983), (Start: 47 @46977 has 1 MA's), (Start: 50 @46935 has 2 MA's), (55, 46905), (57, 46890), (82, 46788), (83, 46785), (92, 46749), (109, 46677), (113, 46656), (134, 46527), (142, 46494), (146, 46467),

Gene: HaveUMetTed_84 Start: 46839, Stop: 46072, Start Num: 28

Candidate Starts for HaveUMetTed_84:

(Start: 20 @46884 has 1 MA's), (Start: 28 @46839 has 78 MA's), (39, 46818), (43, 46776), (44, 46773), (46, 46752), (Start: 47 @46746 has 1 MA's), (Start: 50 @46704 has 2 MA's), (55, 46674), (57, 46659), (82, 46557), (92, 46518), (96, 46509), (108, 46458), (109, 46446), (134, 46296), (146, 46236),

Gene: Heffalump_81 Start: 48603, Stop: 47842, Start Num: 27

Candidate Starts for Heffalump_81:

(Start: 27 @48603 has 3 MA's), (Start: 30 @48600 has 141 MA's), (39, 48579), (43, 48537), (44, 48534), (46, 48513), (49, 48486), (Start: 50 @48465 has 2 MA's), (56, 48429), (57, 48420), (71, 48360), (96, 48276), (98, 48267), (109, 48213), (117, 48177), (130, 48129), (143, 48030), (147, 48003), (158, 47937), (166, 47865),

Gene: Heliosoles_81 Start: 46855, Stop: 46088, Start Num: 28

Candidate Starts for Heliosoles_81:

(Start: 20 @46900 has 1 MA's), (Start: 28 @46855 has 78 MA's), (39, 46834), (43, 46792), (44, 46789), (46, 46768), (Start: 47 @46762 has 1 MA's), (Start: 50 @46720 has 2 MA's), (55, 46690), (57, 46675), (82, 46573), (92, 46534), (96, 46525), (108, 46474), (109, 46462), (134, 46312), (146, 46252),

Gene: Hercules11_84 Start: 47052, Stop: 46285, Start Num: 28

Candidate Starts for Hercules11_84:

(Start: 20 @47097 has 1 MA's), (Start: 28 @47052 has 78 MA's), (39, 47031), (44, 46986), (46, 46965), (Start: 47 @46959 has 1 MA's), (Start: 50 @46917 has 2 MA's), (55, 46887), (57, 46872), (82, 46770), (83, 46767), (92, 46731), (109, 46659), (113, 46638), (134, 46509), (142, 46476), (146, 46449),

Gene: HippoHollow_81 Start: 49238, Stop: 48504, Start Num: 29

Candidate Starts for HippoHollow_81:

(Start: 29 @49238 has 16 MA's), (43, 49181), (46, 49157), (49, 49130), (74, 48989), (76, 48983), (108, 48881), (109, 48869), (118, 48836), (134, 48722), (146, 48662), (147, 48659), (157, 48599),

Gene: Holec_87 Start: 48766, Stop: 48005, Start Num: 30

Candidate Starts for Holec_87:

(10, 48892), (Start: 30 @48766 has 141 MA's), (43, 48706), (46, 48682), (49, 48655), (51, 48628), (60, 48574), (71, 48526), (75, 48508), (82, 48484), (98, 48433), (105, 48406), (109, 48379), (146, 48166), (147, 48163), (153, 48130), (166, 48028),

Gene: HortumSL17_89 Start: 48808, Stop: 48047, Start Num: 30

Candidate Starts for HortumSL17_89:

(Start: 30 @48808 has 141 MA's), (43, 48748), (49, 48697), (51, 48670), (60, 48616), (71, 48568), (75, 48550), (82, 48526), (98, 48475), (105, 48448), (109, 48421), (146, 48208), (147, 48205), (153, 48172), (166, 48070),

Gene: Hutc2_82 Start: 46203, Stop: 45445, Start Num: 30

Candidate Starts for Hutc2_82:

(Start: 30 @46203 has 141 MA's), (39, 46179), (43, 46137), (49, 46086), (Start: 50 @46065 has 2 MA's), (52, 46056), (55, 46035), (56, 46029), (57, 46020), (78, 45933), (82, 45918), (98, 45870), (105, 45843), (109, 45816), (162, 45513), (166, 45468),

Gene: Insomnia_85 Start: 47497, Stop: 46739, Start Num: 30

Candidate Starts for Insomnia_85:

(Start: 30 @47497 has 141 MA's), (39, 47473), (43, 47431), (49, 47380), (Start: 50 @47359 has 2 MA's), (52, 47350), (55, 47329), (56, 47323), (57, 47314), (78, 47227), (82, 47212), (98, 47164), (105, 47137), (109, 47110), (162, 46807), (166, 46762),

Gene: Issmi_67 Start: 44348, Stop: 43623, Start Num: 35

Candidate Starts for Issmi_67:

(Start: 35 @44348 has 15 MA's), (49, 44240), (51, 44213), (68, 44144), (87, 44087), (102, 44039), (104, 44033), (125, 43958), (131, 43901), (134, 43880), (142, 43844), (145, 43817), (150, 43796), (172, 43655),

Gene: JHC117_79 Start: 47038, Stop: 46271, Start Num: 28

Candidate Starts for JHC117_79:

(Start: 20 @47083 has 1 MA's), (Start: 28 @47038 has 78 MA's), (39, 47017), (44, 46972), (46, 46951), (Start: 47 @46945 has 1 MA's), (Start: 50 @46903 has 2 MA's), (55, 46873), (57, 46858), (82, 46756), (83, 46753), (92, 46717), (109, 46645), (113, 46624), (134, 46495), (142, 46462), (146, 46435),

Gene: Jabith_85 Start: 47511, Stop: 46753, Start Num: 30

Candidate Starts for Jabith_85:

(Start: 30 @47511 has 141 MA's), (39, 47487), (43, 47445), (49, 47394), (Start: 50 @47373 has 2 MA's), (52, 47364), (55, 47343), (56, 47337), (57, 47328), (78, 47241), (82, 47226), (98, 47178), (105, 47151), (109, 47124), (162, 46821), (166, 46776),

Gene: Janus_66 Start: 44490, Stop: 43762, Start Num: 35

Candidate Starts for Janus_66:

(Start: 35 @44490 has 15 MA's), (49, 44376), (95, 44199), (134, 44016), (150, 43935), (152, 43917), (173, 43779),

Gene: JenCasNa_85 Start: 47043, Stop: 46276, Start Num: 28

Candidate Starts for JenCasNa_85:

(Start: 21 @47076 has 1 MA's), (Start: 28 @47043 has 78 MA's), (39, 47022), (44, 46977), (46, 46956), (Start: 47 @46950 has 1 MA's), (Start: 50 @46908 has 2 MA's), (55, 46878), (57, 46863), (82, 46761), (83, 46758), (92, 46722), (109, 46650), (113, 46629), (134, 46500), (142, 46467), (146, 46440),

Gene: JeppNRM_84 Start: 46853, Stop: 46086, Start Num: 28

Candidate Starts for JeppNRM_84:

(Start: 20 @46898 has 1 MA's), (Start: 28 @46853 has 78 MA's), (39, 46832), (44, 46787), (46, 46766), (Start: 47 @46760 has 1 MA's), (Start: 50 @46718 has 2 MA's), (55, 46688), (82, 46571), (92, 46532), (108, 46472), (109, 46460), (134, 46310), (146, 46250),

Gene: Jerm_86 Start: 48784, Stop: 48029, Start Num: 30

Candidate Starts for Jerm_86:

(Start: 30 @48784 has 141 MA's), (39, 48763), (43, 48721), (46, 48697), (Start: 50 @48649 has 2 MA's), (63, 48580), (71, 48544), (94, 48466), (109, 48397), (113, 48376), (146, 48190), (147, 48187), (166, 48049),

Gene: Jiawan_86 Start: 48783, Stop: 48022, Start Num: 30

Candidate Starts for Jiawan_86:

(10, 48909), (Start: 30 @48783 has 141 MA's), (43, 48723), (46, 48699), (49, 48672), (51, 48645), (60, 48591), (71, 48543), (75, 48525), (82, 48501), (98, 48450), (105, 48423), (109, 48396), (146, 48183), (147, 48180), (153, 48147), (166, 48045),

Gene: Jobu08_80 Start: 46867, Stop: 46100, Start Num: 28

Candidate Starts for Jobu08_80:

(Start: 21 @46900 has 1 MA's), (Start: 28 @46867 has 78 MA's), (39, 46846), (44, 46801), (46, 46780), (Start: 47 @46774 has 1 MA's), (Start: 50 @46732 has 2 MA's), (55, 46702), (57, 46687), (82, 46585), (83, 46582), (92, 46546), (109, 46474), (113, 46453), (134, 46324), (142, 46291), (146, 46264),

Gene: Joselito_85 Start: 47531, Stop: 46773, Start Num: 30

Candidate Starts for Joselito_85:

(Start: 30 @47531 has 141 MA's), (39, 47507), (43, 47465), (49, 47414), (Start: 50 @47393 has 2 MA's), (52, 47384), (55, 47363), (56, 47357), (57, 47348), (78, 47261), (82, 47246), (98, 47198), (105, 47171), (109, 47144), (162, 46841), (166, 46796),

Gene: JoshKayV_86 Start: 48952, Stop: 48197, Start Num: 30

Candidate Starts for JoshKayV_86:

(Start: 30 @48952 has 141 MA's), (39, 48931), (43, 48889), (46, 48865), (Start: 50 @48817 has 2 MA's), (63, 48748), (94, 48634), (109, 48565), (113, 48544), (146, 48358), (147, 48355), (153, 48322), (166, 48217),

Gene: Jsquared_88 Start: 47818, Stop: 47057, Start Num: 30

Candidate Starts for Jsquared_88:

(Start: 30 @47818 has 141 MA's), (39, 47794), (43, 47752), (Start: 50 @47680 has 2 MA's), (55, 47650), (56, 47644), (71, 47575), (82, 47533), (98, 47485), (109, 47431), (111, 47422), (129, 47347), (134, 47281), (146, 47221), (147, 47218), (162, 47125), (166, 47080),

Gene: KADY_81 Start: 47070, Stop: 46303, Start Num: 28

Candidate Starts for KADY_81:

(Start: 20 @47115 has 1 MA's), (Start: 28 @47070 has 78 MA's), (39, 47049), (44, 47004), (46, 46983), (Start: 47 @46977 has 1 MA's), (Start: 50 @46935 has 2 MA's), (55, 46905), (57, 46890), (82, 46788), (83, 46785), (92, 46749), (109, 46677), (113, 46656), (134, 46527), (142, 46494), (146, 46467),

Gene: Kalb97_84 Start: 46221, Stop: 45454, Start Num: 28

Candidate Starts for Kalb97_84:

(Start: 20 @46266 has 1 MA's), (Start: 28 @46221 has 78 MA's), (39, 46200), (43, 46158), (44, 46155), (46, 46134), (Start: 47 @46128 has 1 MA's), (Start: 50 @46086 has 2 MA's), (55, 46056), (57, 46041), (82, 45939), (92, 45900), (96, 45891), (108, 45840), (109, 45828), (134, 45678), (146, 45618),

Gene: Kalnoky_84 Start: 46848, Stop: 46081, Start Num: 28

Candidate Starts for Kalnoky_84:

(Start: 20 @46893 has 1 MA's), (Start: 28 @46848 has 78 MA's), (39, 46827), (43, 46785), (44, 46782), (46, 46761), (Start: 47 @46755 has 1 MA's), (Start: 50 @46713 has 2 MA's), (55, 46683), (57, 46668), (82, 46566), (92, 46527), (96, 46518), (108, 46467), (109, 46455), (134, 46305), (146, 46245),

Gene: Kalpine_86 Start: 48951, Stop: 48190, Start Num: 27

Candidate Starts for Kalpine_86:

(Start: 27 @48951 has 3 MA's), (Start: 30 @48948 has 141 MA's), (39, 48924), (43, 48882), (44, 48879), (46, 48858), (49, 48831), (Start: 50 @48810 has 2 MA's), (56, 48774), (57, 48765), (71, 48705), (96, 48627), (98, 48618), (109, 48564), (134, 48408), (147, 48348), (156, 48300), (157, 48288), (166, 48210),

Gene: Kerberos_84 Start: 47970, Stop: 47197, Start Num: 30

Candidate Starts for Kerberos_84:

(Start: 30 @47970 has 141 MA's), (39, 47946), (43, 47904), (46, 47880), (Start: 50 @47832 has 2 MA's), (55, 47802), (56, 47796), (78, 47700), (82, 47685), (85, 47673), (109, 47571), (113, 47550), (147, 47358), (166, 47220),

Gene: Keziacharles14_85 Start: 49281, Stop: 48520, Start Num: 30

Candidate Starts for Keziacharles14_85:

(Start: 30 @49281 has 141 MA's), (39, 49260), (41, 49248), (49, 49167), (51, 49140), (60, 49089), (71, 49041), (82, 48999), (93, 48963), (98, 48948), (105, 48921), (109, 48894), (113, 48873), (147, 48678), (153, 48645), (166, 48543),

Gene: Kimba_83 Start: 46834, Stop: 46076, Start Num: 30

Candidate Starts for Kimba_83:

(Start: 30 @46834 has 141 MA's), (39, 46810), (43, 46768), (49, 46717), (Start: 50 @46696 has 2 MA's), (52, 46687), (55, 46666), (56, 46660), (57, 46651), (78, 46564), (82, 46549), (98, 46501), (105, 46474), (109, 46447), (162, 46144), (166, 46099),

Gene: KingCyrus_83 Start: 49650, Stop: 48895, Start Num: 30

Candidate Starts for KingCyrus_83:

(Start: 30 @49650 has 141 MA's), (39, 49629), (43, 49587), (46, 49563), (Start: 50 @49515 has 2 MA's), (63, 49446), (71, 49410), (94, 49332), (109, 49263), (113, 49242), (146, 49056), (147, 49053), (166, 48915),

Gene: Klodlith_84 Start: 48164, Stop: 47400, Start Num: 30

Candidate Starts for Klodlith_84:

(Start: 30 @48164 has 141 MA's), (39, 48140), (49, 48047), (51, 48020), (71, 47921), (82, 47879), (98, 47828), (105, 47801), (109, 47774), (113, 47753), (147, 47558), (153, 47525), (166, 47423),

Gene: Koduck_84 Start: 47157, Stop: 46399, Start Num: 30

Candidate Starts for Koduck_84:

(Start: 30 @47157 has 141 MA's), (39, 47133), (43, 47091), (46, 47067), (49, 47040), (Start: 50 @47019 has 2 MA's), (55, 46989), (71, 46914), (72, 46911), (74, 46899), (82, 46872), (98, 46827), (108, 46785), (109, 46773), (110, 46770), (143, 46587), (146, 46563), (147, 46560), (166, 46422),

Gene: L5_77 Start: 47048, Stop: 46290, Start Num: 30

Candidate Starts for L5_77:

(Start: 30 @47048 has 141 MA's), (39, 47024), (43, 46982), (46, 46958), (49, 46931), (Start: 50 @46910 has 2 MA's), (55, 46880), (71, 46805), (72, 46802), (74, 46790), (82, 46763), (98, 46718), (108, 46676), (109, 46664), (110, 46661), (143, 46478), (146, 46454), (147, 46451), (166, 46313),

Gene: LBerry_85 Start: 47044, Stop: 46277, Start Num: 28

Candidate Starts for LBerry_85:

(Start: 21 @47077 has 1 MA's), (Start: 28 @47044 has 78 MA's), (39, 47023), (44, 46978), (46, 46957), (Start: 47 @46951 has 1 MA's), (Start: 50 @46909 has 2 MA's), (55, 46879), (57, 46864), (82, 46762), (83, 46759), (92, 46723), (109, 46651), (113, 46630), (134, 46501), (142, 46468), (146, 46441),

Gene: LadyBird_88 Start: 48874, Stop: 48116, Start Num: 30

Candidate Starts for LadyBird_88:

(Start: 30 @48874 has 141 MA's), (39, 48853), (43, 48811), (49, 48760), (Start: 50 @48739 has 2 MA's), (56, 48703), (57, 48694), (65, 48664), (71, 48634), (98, 48541), (109, 48487), (117, 48451), (130, 48403), (143, 48304), (147, 48277), (156, 48229), (166, 48139),

Gene: Larenn_82 Start: 48228, Stop: 47470, Start Num: 30

Candidate Starts for Larenn_82:

(Start: 30 @48228 has 141 MA's), (39, 48207), (43, 48165), (46, 48141), (49, 48114), (Start: 50 @48093 has 2 MA's), (56, 48057), (57, 48048), (65, 48018), (71, 47988), (82, 47946), (96, 47904), (98, 47895), (109, 47841), (117, 47805), (130, 47757), (146, 47634), (147, 47631), (156, 47583), (166, 47493),

Gene: LarryKay_84 Start: 47074, Stop: 46307, Start Num: 28

Candidate Starts for LarryKay_84:

(Start: 20 @47119 has 1 MA's), (Start: 28 @47074 has 78 MA's), (39, 47053), (44, 47008), (46, 46987), (Start: 47 @46981 has 1 MA's), (Start: 50 @46939 has 2 MA's), (55, 46909), (57, 46894), (82, 46792), (83, 46789), (92, 46753), (109, 46681), (113, 46660), (134, 46531), (142, 46498), (146, 46471),

Gene: Leviathan_86 Start: 48865, Stop: 48110, Start Num: 30

Candidate Starts for Leviathan_86:

(Start: 30 @48865 has 141 MA's), (39, 48844), (43, 48802), (46, 48778), (Start: 50 @48730 has 2 MA's), (63, 48661), (71, 48625), (94, 48547), (109, 48478), (113, 48457), (146, 48271), (147, 48268), (166, 48130),

Gene: LilTurb_85 Start: 48661, Stop: 47906, Start Num: 30

Candidate Starts for LilTurb_85:

(Start: 30 @48661 has 141 MA's), (39, 48640), (43, 48598), (46, 48574), (Start: 50 @48526 has 2 MA's), (63, 48457), (71, 48421), (94, 48343), (109, 48274), (113, 48253), (146, 48067), (147, 48064), (166, 47926),

Gene: Lilith_82 Start: 47033, Stop: 46266, Start Num: 28

Candidate Starts for Lilith_82:

(Start: 21 @47066 has 1 MA's), (Start: 28 @47033 has 78 MA's), (39, 47012), (44, 46967), (46, 46946), (Start: 47 @46940 has 1 MA's), (Start: 50 @46898 has 2 MA's), (55, 46868), (57, 46853), (82, 46751), (83, 46748), (92, 46712), (109, 46640), (113, 46619), (134, 46490), (142, 46457), (146, 46430),

Gene: Lilleskat_85 Start: 48763, Stop: 48002, Start Num: 30

Candidate Starts for Lilleskat_85:

(10, 48889), (Start: 30 @48763 has 141 MA's), (43, 48703), (46, 48679), (49, 48652), (51, 48625), (60, 48571), (71, 48523), (75, 48505), (82, 48481), (98, 48430), (105, 48403), (109, 48376), (146, 48163),

(147, 48160), (153, 48127), (166, 48025),

Gene: LionsBait_83 Start: 49178, Stop: 48444, Start Num: 29

Candidate Starts for LionsBait_83:

(Start: 29 @49178 has 16 MA's), (43, 49121), (46, 49097), (49, 49070), (74, 48929), (76, 48923), (108, 48821), (109, 48809), (118, 48776), (134, 48662), (146, 48602), (147, 48599), (157, 48539),

Gene: LogiBear_79 Start: 45732, Stop: 44956, Start Num: 30

Candidate Starts for LogiBear_79:

(Start: 30 @45732 has 141 MA's), (39, 45711), (43, 45669), (49, 45618), (Start: 50 @45597 has 2 MA's), (55, 45567), (57, 45552), (68, 45507), (78, 45465), (98, 45384), (109, 45330), (147, 45117), (166, 44979),

Gene: Lokk_79 Start: 46740, Stop: 45985, Start Num: 29

Candidate Starts for Lokk_79:

(Start: 29 @46740 has 16 MA's), (39, 46719), (41, 46707), (46, 46653), (49, 46626), (55, 46575), (68, 46515), (71, 46500), (82, 46458), (96, 46416), (109, 46353), (134, 46203), (166, 46008),

Gene: LoneWolf_88 Start: 48806, Stop: 48045, Start Num: 30

Candidate Starts for LoneWolf_88:

(Start: 30 @48806 has 141 MA's), (43, 48746), (46, 48722), (49, 48695), (51, 48668), (60, 48614), (71, 48566), (82, 48524), (96, 48482), (98, 48473), (105, 48446), (109, 48419), (122, 48368), (134, 48269), (146, 48206), (147, 48203), (153, 48170), (166, 48068),

Gene: Loser_87 Start: 49116, Stop: 48361, Start Num: 30

Candidate Starts for Loser_87:

(Start: 30 @49116 has 141 MA's), (39, 49095), (43, 49053), (46, 49029), (49, 49002), (Start: 50 @48981 has 2 MA's), (56, 48945), (57, 48936), (65, 48906), (71, 48876), (96, 48792), (98, 48783), (109, 48729), (117, 48693), (130, 48645), (147, 48519), (166, 48381),

Gene: Louie6_83 Start: 47071, Stop: 46304, Start Num: 28

Candidate Starts for Louie6_83:

(Start: 20 @47116 has 1 MA's), (Start: 28 @47071 has 78 MA's), (39, 47050), (44, 47005), (46, 46984), (Start: 47 @46978 has 1 MA's), (Start: 50 @46936 has 2 MA's), (55, 46906), (57, 46891), (82, 46789), (83, 46786), (92, 46750), (109, 46678), (113, 46657), (134, 46528), (142, 46495), (146, 46468),

Gene: Lowa_81 Start: 47032, Stop: 46265, Start Num: 28

Candidate Starts for Lowa_81:

(Start: 21 @47065 has 1 MA's), (Start: 28 @47032 has 78 MA's), (39, 47011), (44, 46966), (46, 46945), (Start: 47 @46939 has 1 MA's), (Start: 50 @46897 has 2 MA's), (55, 46867), (57, 46852), (82, 46750), (83, 46747), (92, 46711), (109, 46639), (113, 46618), (134, 46489), (142, 46456), (146, 46429),

Gene: Lucivia_87 Start: 47810, Stop: 47052, Start Num: 30

Candidate Starts for Lucivia_87:

(Start: 30 @47810 has 141 MA's), (39, 47786), (43, 47744), (49, 47693), (Start: 50 @47672 has 2 MA's), (52, 47663), (55, 47642), (56, 47636), (57, 47627), (78, 47540), (82, 47525), (98, 47477), (105, 47450), (109, 47423), (162, 47120), (166, 47075),

Gene: Lucyedi_83 Start: 47801, Stop: 47031, Start Num: 28

Candidate Starts for Lucyedi_83:

(14, 47894), (Start: 28 @47801 has 78 MA's), (39, 47780), (46, 47714), (Start: 50 @47666 has 2 MA's), (55, 47636), (70, 47564), (82, 47519), (96, 47468), (109, 47405), (113, 47384), (127, 47327), (146, 47195), (147, 47192), (162, 47099), (166, 47054),

Gene: LugYA_87 Start: 47044, Stop: 46277, Start Num: 28

Candidate Starts for LugYA_87:

(Start: 21 @47077 has 1 MA's), (Start: 28 @47044 has 78 MA's), (39, 47023), (44, 46978), (46, 46957), (Start: 47 @46951 has 1 MA's), (Start: 50 @46909 has 2 MA's), (55, 46879), (57, 46864), (82, 46762), (83, 46759), (92, 46723), (109, 46651), (113, 46630), (134, 46501), (142, 46468), (146, 46441),

Gene: MaCh_86 Start: 47774, Stop: 47016, Start Num: 30

Candidate Starts for MaCh_86:

(Start: 30 @47774 has 141 MA's), (39, 47750), (43, 47708), (49, 47657), (Start: 50 @47636 has 2 MA's), (52, 47627), (55, 47606), (56, 47600), (57, 47591), (78, 47504), (82, 47489), (98, 47441), (105, 47414), (109, 47387), (162, 47084), (166, 47039),

Gene: Mabel_86 Start: 47775, Stop: 47017, Start Num: 30

Candidate Starts for Mabel_86:

(Start: 30 @47775 has 141 MA's), (39, 47751), (43, 47709), (49, 47658), (Start: 50 @47637 has 2 MA's), (52, 47628), (55, 47607), (56, 47601), (57, 47592), (78, 47505), (82, 47490), (98, 47442), (105, 47415), (109, 47388), (162, 47085), (166, 47040),

Gene: MadMarie_82 Start: 47041, Stop: 46274, Start Num: 28

Candidate Starts for MadMarie_82:

(Start: 21 @47074 has 1 MA's), (Start: 28 @47041 has 78 MA's), (39, 47020), (44, 46975), (46, 46954), (Start: 47 @46948 has 1 MA's), (Start: 50 @46906 has 2 MA's), (55, 46876), (57, 46861), (82, 46759), (83, 46756), (92, 46720), (109, 46648), (113, 46627), (134, 46498), (142, 46465), (146, 46438),

Gene: Mainiac_83 Start: 47033, Stop: 46266, Start Num: 28

Candidate Starts for Mainiac_83:

(Start: 21 @47066 has 1 MA's), (Start: 28 @47033 has 78 MA's), (39, 47012), (44, 46967), (46, 46946), (Start: 47 @46940 has 1 MA's), (Start: 50 @46898 has 2 MA's), (55, 46868), (57, 46853), (82, 46751), (83, 46748), (92, 46712), (109, 46640), (113, 46619), (134, 46490), (142, 46457), (146, 46430),

Gene: MajorMajor_81 Start: 45867, Stop: 45106, Start Num: 30

Candidate Starts for MajorMajor_81:

(Start: 30 @45867 has 141 MA's), (39, 45843), (43, 45801), (Start: 50 @45729 has 2 MA's), (55, 45699), (56, 45693), (71, 45624), (82, 45582), (98, 45534), (109, 45480), (129, 45396), (134, 45330), (146, 45270), (147, 45267), (162, 45174), (166, 45129),

Gene: Malec_83 Start: 48798, Stop: 48040, Start Num: 30

Candidate Starts for Malec_83:

(Start: 30 @48798 has 141 MA's), (39, 48777), (43, 48735), (46, 48711), (49, 48684), (Start: 50 @48663 has 2 MA's), (56, 48627), (57, 48618), (71, 48558), (82, 48516), (96, 48474), (98, 48465), (109, 48411), (117, 48375), (130, 48327), (146, 48204), (147, 48201), (156, 48153), (166, 48063),

Gene: Malinsilva_87 Start: 47032, Stop: 46265, Start Num: 28

Candidate Starts for Malinsilva_87:

(Start: 21 @47065 has 1 MA's), (Start: 28 @47032 has 78 MA's), (39, 47011), (44, 46966), (46, 46945), (Start: 47 @46939 has 1 MA's), (Start: 50 @46897 has 2 MA's), (55, 46867), (57, 46852), (82, 46750), (83, 46747), (92, 46711), (109, 46639), (113, 46618), (134, 46489), (142, 46456), (146, 46429),

Gene: Maminiaina_87 Start: 48726, Stop: 47968, Start Num: 30

Candidate Starts for Maminiaina_87:

(Start: 30 @48726 has 141 MA's), (39, 48708), (48, 48618), (49, 48615), (51, 48588), (60, 48537), (71, 48489), (75, 48471), (82, 48447), (98, 48396), (105, 48369), (109, 48342), (112, 48330), (122, 48291),

(147, 48126), (153, 48093), (166, 47991),

Gene: Manu_83 Start: 46855, Stop: 46088, Start Num: 28

Candidate Starts for Manu_83:

(Start: 20 @46900 has 1 MA's), (Start: 28 @46855 has 78 MA's), (39, 46834), (43, 46792), (44, 46789), (46, 46768), (Start: 47 @46762 has 1 MA's), (Start: 50 @46720 has 2 MA's), (55, 46690), (57, 46675), (82, 46573), (92, 46534), (96, 46525), (108, 46474), (109, 46462), (134, 46312), (146, 46252),

Gene: MarQuardt_84 Start: 47042, Stop: 46275, Start Num: 28

Candidate Starts for MarQuardt_84:

(Start: 20 @47087 has 1 MA's), (Start: 28 @47042 has 78 MA's), (39, 47021), (44, 46976), (46, 46955), (Start: 47 @46949 has 1 MA's), (Start: 50 @46907 has 2 MA's), (55, 46877), (57, 46862), (82, 46760), (83, 46757), (92, 46721), (109, 46649), (113, 46628), (134, 46499), (142, 46466), (146, 46439),

Gene: Marie_82 Start: 47043, Stop: 46276, Start Num: 28

Candidate Starts for Marie_82:

(Start: 21 @47076 has 1 MA's), (Start: 28 @47043 has 78 MA's), (39, 47022), (44, 46977), (46, 46956), (Start: 47 @46950 has 1 MA's), (Start: 50 @46908 has 2 MA's), (55, 46878), (57, 46863), (82, 46761), (83, 46758), (92, 46722), (109, 46650), (113, 46629), (134, 46500), (142, 46467), (146, 46440),

Gene: Marius_84 Start: 46848, Stop: 46081, Start Num: 28

Candidate Starts for Marius_84:

(Start: 20 @46893 has 1 MA's), (Start: 28 @46848 has 78 MA's), (39, 46827), (43, 46785), (44, 46782), (46, 46761), (Start: 47 @46755 has 1 MA's), (Start: 50 @46713 has 2 MA's), (55, 46683), (57, 46668), (82, 46566), (92, 46527), (96, 46518), (108, 46467), (109, 46455), (134, 46305), (146, 46245),

Gene: Maselop_4 Start: 2670, Stop: 3488, Start Num: 24

Candidate Starts for Maselop_4:

(Start: 9 @2547 has 1 MA's), (Start: 24 @2670 has 5 MA's), (42, 2730), (65, 2889), (77, 2946), (80, 2958), (87, 2991), (89, 3000), (94, 3012), (97, 3024), (98, 3027), (123, 3126), (149, 3306),

Gene: MegTheThird_84 Start: 48165, Stop: 47407, Start Num: 30

Candidate Starts for MegTheThird_84:

(Start: 30 @48165 has 141 MA's), (39, 48147), (49, 48054), (51, 48027), (71, 47928), (82, 47886), (93, 47850), (98, 47835), (105, 47808), (109, 47781), (113, 47760), (147, 47565), (153, 47532), (166, 47430),

Gene: Methuselah_77 Start: 47064, Stop: 46297, Start Num: 28

Candidate Starts for Methuselah_77:

(Start: 20 @47109 has 1 MA's), (Start: 28 @47064 has 78 MA's), (39, 47043), (44, 46998), (46, 46977), (Start: 47 @46971 has 1 MA's), (Start: 50 @46929 has 2 MA's), (55, 46899), (57, 46884), (82, 46782), (83, 46779), (92, 46743), (109, 46671), (113, 46650), (134, 46521), (142, 46488), (146, 46461),

Gene: Microwolf_80 Start: 47056, Stop: 46289, Start Num: 28

Candidate Starts for Microwolf_80:

(Start: 21 @47089 has 1 MA's), (Start: 28 @47056 has 78 MA's), (39, 47035), (44, 46990), (46, 46969), (Start: 47 @46963 has 1 MA's), (Start: 50 @46921 has 2 MA's), (55, 46891), (57, 46876), (82, 46774), (83, 46771), (92, 46735), (109, 46663), (113, 46642), (134, 46513), (142, 46480), (146, 46453),

Gene: MiculUcigas_84 Start: 47925, Stop: 47167, Start Num: 30

Candidate Starts for MiculUcigas_84:

(Start: 30 @47925 has 141 MA's), (39, 47904), (41, 47892), (43, 47862), (46, 47838), (49, 47811), (Start: 50 @47790 has 2 MA's), (56, 47754), (57, 47745), (65, 47715), (71, 47685), (96, 47601), (98,

47592), (109, 47538), (117, 47502), (130, 47454), (143, 47355), (146, 47331), (147, 47328), (166, 47190),

Gene: Miko_79 Start: 47505, Stop: 46747, Start Num: 30

Candidate Starts for Miko_79:

(Start: 30 @47505 has 141 MA's), (39, 47484), (41, 47472), (49, 47391), (71, 47265), (76, 47244), (82, 47223), (96, 47181), (109, 47118), (134, 46968), (147, 46905), (166, 46770),

Gene: Minispark_85 Start: 48209, Stop: 47448, Start Num: 30

Candidate Starts for Minispark_85:

(Start: 30 @48209 has 141 MA's), (43, 48149), (46, 48125), (49, 48098), (51, 48071), (60, 48017), (71, 47969), (82, 47927), (98, 47876), (105, 47849), (109, 47822), (113, 47801), (122, 47771), (147, 47606), (166, 47471),

Gene: MissWhite_77 Start: 44789, Stop: 44034, Start Num: 30

Candidate Starts for MissWhite_77:

(Start: 30 @44789 has 141 MA's), (39, 44771), (43, 44729), (46, 44705), (Start: 50 @44657 has 2 MA's), (52, 44648), (55, 44627), (56, 44621), (63, 44588), (68, 44567), (71, 44552), (85, 44498), (94, 44474), (96, 44468), (109, 44405), (116, 44372), (123, 44354), (146, 44198), (147, 44195), (151, 44177), (159, 44126), (166, 44057),

Gene: ModicumRichard_153 Start: 80567, Stop: 79794, Start Num: 35

Candidate Starts for ModicumRichard_153:

(Start: 35 @80567 has 15 MA's), (43, 80501), (46, 80477), (48, 80453), (54, 80414), (61, 80369), (69, 80339), (75, 80309), (81, 80300), (89, 80276), (98, 80249), (107, 80222), (113, 80183), (131, 80084), (134, 80063), (146, 79991), (148, 79985), (165, 79868), (169, 79829), (174, 79805),

Gene: MoneyMay_84 Start: 47043, Stop: 46276, Start Num: 28

Candidate Starts for MoneyMay_84:

(Start: 21 @47076 has 1 MA's), (Start: 28 @47043 has 78 MA's), (39, 47022), (44, 46977), (46, 46956), (Start: 47 @46950 has 1 MA's), (Start: 50 @46908 has 2 MA's), (55, 46878), (57, 46863), (82, 46761), (83, 46758), (92, 46722), (109, 46650), (113, 46629), (134, 46500), (142, 46467), (146, 46440),

Gene: Montavir_79 Start: 47040, Stop: 46273, Start Num: 28

Candidate Starts for Montavir_79:

(Start: 20 @47085 has 1 MA's), (Start: 28 @47040 has 78 MA's), (39, 47019), (44, 46974), (46, 46953), (Start: 47 @46947 has 1 MA's), (Start: 50 @46905 has 2 MA's), (55, 46875), (57, 46860), (82, 46758), (83, 46755), (92, 46719), (109, 46647), (113, 46626), (134, 46497), (142, 46464), (146, 46437),

Gene: Morgana_160 Start: 81269, Stop: 80511, Start Num: 35

Candidate Starts for Morgana_160:

(Start: 35 @81269 has 15 MA's), (61, 81071), (62, 81068), (72, 81026), (73, 81023), (107, 80924), (113, 80885), (121, 80864), (124, 80852), (131, 80801), (136, 80774), (140, 80753), (146, 80708), (158, 80639), (166, 80561), (169, 80546),

Gene: MuchMore_87 Start: 46894, Stop: 46262, Start Num: 50

Candidate Starts for MuchMore_87:

(Start: 50 @46894 has 2 MA's), (55, 46864), (57, 46849), (82, 46747), (83, 46744), (92, 46708), (109, 46636), (113, 46615), (134, 46486), (142, 46453), (146, 46426),

Gene: Mulciber_84 Start: 47316, Stop: 46558, Start Num: 30

Candidate Starts for Mulciber_84:

(Start: 30 @47316 has 141 MA's), (39, 47292), (43, 47250), (49, 47199), (Start: 50 @47178 has 2 MA's), (52, 47169), (55, 47148), (56, 47142), (57, 47133), (78, 47046), (82, 47031), (98, 46983), (105, 46956), (109, 46929), (162, 46626), (166, 46581),

Gene: Munch_86 Start: 47779, Stop: 47021, Start Num: 30

Candidate Starts for Munch_86:

(Start: 30 @47779 has 141 MA's), (39, 47755), (43, 47713), (49, 47662), (Start: 50 @47641 has 2 MA's), (52, 47632), (55, 47611), (56, 47605), (57, 47596), (78, 47509), (82, 47494), (98, 47446), (105, 47419), (109, 47392), (162, 47089), (166, 47044),

Gene: Myxus_88 Start: 48808, Stop: 48047, Start Num: 30

Candidate Starts for Myxus_88:

(Start: 30 @48808 has 141 MA's), (43, 48748), (49, 48697), (51, 48670), (60, 48616), (71, 48568), (75, 48550), (82, 48526), (98, 48475), (105, 48448), (109, 48421), (146, 48208), (147, 48205), (153, 48172), (166, 48070),

Gene: NaSiaTalie_85 Start: 48212, Stop: 47454, Start Num: 30

Candidate Starts for NaSiaTalie_85:

(Start: 30 @48212 has 141 MA's), (39, 48191), (41, 48179), (43, 48149), (46, 48125), (49, 48098), (Start: 50 @48077 has 2 MA's), (56, 48041), (57, 48032), (65, 48002), (71, 47972), (82, 47930), (96, 47888), (98, 47879), (109, 47825), (117, 47789), (130, 47741), (143, 47642), (146, 47618), (147, 47615), (166, 47477),

Gene: Nedarya_84 Start: 47378, Stop: 46665, Start Num: 32

Candidate Starts for Nedarya_84:

(Start: 32 @47378 has 6 MA's), (39, 47354), (49, 47261), (60, 47183), (70, 47138), (82, 47093), (94, 47060), (96, 47054), (109, 46991), (112, 46979), (147, 46823), (154, 46784),

Gene: NicoleTera_82 Start: 48143, Stop: 47388, Start Num: 29

Candidate Starts for NicoleTera_82:

(Start: 29 @48143 has 16 MA's), (39, 48122), (41, 48110), (46, 48056), (49, 48029), (71, 47903), (82, 47861), (86, 47843), (96, 47819), (98, 47810), (109, 47756), (146, 47549), (147, 47546), (166, 47411), (170, 47396),

Gene: NothingSpecial_79 Start: 48082, Stop: 47348, Start Num: 29

Candidate Starts for NothingSpecial_79:

(Start: 29 @48082 has 16 MA's), (43, 48025), (49, 47974), (74, 47833), (76, 47827), (92, 47785), (109, 47713), (134, 47566), (146, 47506), (147, 47503),

Gene: ObLaDi_153 Start: 80566, Stop: 79793, Start Num: 35

Candidate Starts for ObLaDi_153:

(Start: 35 @80566 has 15 MA's), (43, 80500), (46, 80476), (48, 80452), (54, 80413), (61, 80368), (69, 80338), (75, 80308), (81, 80299), (89, 80275), (98, 80248), (107, 80221), (113, 80182), (131, 80083), (134, 80062), (146, 79990), (148, 79984), (165, 79867), (169, 79828), (174, 79804),

Gene: Odin_83 Start: 47677, Stop: 46934, Start Num: 30

Candidate Starts for Odin_83:

(Start: 30 @47677 has 141 MA's), (39, 47659), (43, 47617), (49, 47566), (Start: 50 @47545 has 2 MA's), (64, 47473), (71, 47440), (98, 47347), (105, 47320), (109, 47293), (146, 47098), (166, 46957), (168, 46945),

Gene: OlanP_82 Start: 47027, Stop: 46260, Start Num: 28

Candidate Starts for OlanP_82:

(Start: 21 @47066 has 1 MA's), (Start: 28 @47027 has 78 MA's), (39, 47006), (43, 46964), (44, 46961), (46, 46940), (Start: 47 @46934 has 1 MA's), (Start: 50 @46892 has 2 MA's), (55, 46862), (57, 46847), (82, 46745), (90, 46712), (92, 46706), (96, 46697), (108, 46646), (109, 46634), (134, 46484), (146, 46424),

Gene: Ollie_84 Start: 46911, Stop: 46144, Start Num: 28

Candidate Starts for Ollie_84:

(Start: 21 @46944 has 1 MA's), (Start: 28 @46911 has 78 MA's), (39, 46890), (44, 46845), (46, 46824), (Start: 47 @46818 has 1 MA's), (Start: 50 @46776 has 2 MA's), (55, 46746), (57, 46731), (82, 46629), (83, 46626), (92, 46590), (109, 46518), (113, 46497), (134, 46368), (142, 46335), (146, 46308),

Gene: Onglai_86 Start: 46955, Stop: 46194, Start Num: 30

Candidate Starts for Onglai_86:

(10, 47081), (Start: 30 @46955 has 141 MA's), (43, 46895), (46, 46871), (49, 46844), (51, 46817), (60, 46763), (71, 46715), (75, 46697), (82, 46673), (98, 46622), (105, 46595), (109, 46568), (146, 46355), (147, 46352), (153, 46319), (166, 46217),

Gene: Oofda_88 Start: 47536, Stop: 46820, Start Num: 32

Candidate Starts for Oofda_88:

(16, 47632), (22, 47581), (Start: 32 @47536 has 6 MA's), (39, 47512), (57, 47353), (68, 47308), (70, 47296), (74, 47278), (82, 47251), (91, 47221), (94, 47215), (96, 47209), (98, 47200), (109, 47146), (112, 47134), (158, 46912),

Gene: Orange_86 Start: 47329, Stop: 46571, Start Num: 30

Candidate Starts for Orange_86:

(Start: 30 @47329 has 141 MA's), (39, 47305), (43, 47263), (49, 47212), (Start: 50 @47191 has 2 MA's), (52, 47182), (55, 47161), (56, 47155), (57, 47146), (78, 47059), (82, 47044), (98, 46996), (105, 46969), (109, 46942), (162, 46639), (166, 46594),

Gene: P28Green_84 Start: 47046, Stop: 46279, Start Num: 28

Candidate Starts for P28Green_84:

(Start: 20 @47091 has 1 MA's), (Start: 28 @47046 has 78 MA's), (39, 47025), (44, 46980), (46, 46959), (Start: 47 @46953 has 1 MA's), (Start: 50 @46911 has 2 MA's), (55, 46881), (57, 46866), (82, 46764), (83, 46761), (92, 46725), (109, 46653), (113, 46632), (134, 46503), (142, 46470), (146, 46443),

Gene: PGHhamlin_86 Start: 47032, Stop: 46265, Start Num: 28

Candidate Starts for PGHhamlin_86:

(Start: 21 @47065 has 1 MA's), (Start: 28 @47032 has 78 MA's), (39, 47011), (44, 46966), (46, 46945), (Start: 47 @46939 has 1 MA's), (Start: 50 @46897 has 2 MA's), (55, 46867), (57, 46852), (82, 46750), (83, 46747), (92, 46711), (109, 46639), (113, 46618), (134, 46489), (142, 46456), (146, 46429),

Gene: Paedore_70 Start: 45492, Stop: 44761, Start Num: 35

Candidate Starts for Paedore_70:

(Start: 35 @45492 has 15 MA's), (49, 45378), (51, 45351), (55, 45327), (74, 45252), (125, 45096), (134, 45018), (149, 44940), (165, 44832),

Gene: PainterBoy_83 Start: 47511, Stop: 46741, Start Num: 28

Candidate Starts for PainterBoy_83:

(14, 47604), (Start: 28 @47511 has 78 MA's), (39, 47490), (46, 47424), (Start: 50 @47376 has 2 MA's), (55, 47346), (70, 47274), (82, 47229), (96, 47178), (109, 47115), (113, 47094), (127, 47037), (146, 46905), (147, 46902), (162, 46809), (166, 46764),

Gene: Pawn_82 Start: 46855, Stop: 46088, Start Num: 28

Candidate Starts for Pawn_82:

(Start: 20 @46900 has 1 MA's), (Start: 28 @46855 has 78 MA's), (39, 46834), (43, 46792), (44, 46789), (46, 46768), (Start: 47 @46762 has 1 MA's), (Start: 50 @46720 has 2 MA's), (55, 46690), (57, 46675), (82, 46573), (92, 46534), (96, 46525), (108, 46474), (109, 46462), (134, 46312), (146, 46252),

Gene: Pembroke_84 Start: 47041, Stop: 46274, Start Num: 28

Candidate Starts for Pembroke_84:

(Start: 21 @47074 has 1 MA's), (Start: 28 @47041 has 78 MA's), (39, 47020), (44, 46975), (46, 46954), (Start: 47 @46948 has 1 MA's), (Start: 50 @46906 has 2 MA's), (55, 46876), (57, 46861), (82, 46759), (83, 46756), (92, 46720), (109, 46648), (113, 46627), (134, 46498), (142, 46465), (146, 46438),

Gene: Penny1_84 Start: 47044, Stop: 46277, Start Num: 28

Candidate Starts for Penny1_84:

(Start: 20 @47089 has 1 MA's), (Start: 28 @47044 has 78 MA's), (39, 47023), (44, 46978), (46, 46957), (Start: 47 @46951 has 1 MA's), (Start: 50 @46909 has 2 MA's), (55, 46879), (57, 46864), (82, 46762), (83, 46759), (92, 46723), (109, 46651), (113, 46630), (134, 46501), (142, 46468), (146, 46441),

Gene: Petersenfast_82 Start: 46210, Stop: 45452, Start Num: 30

Candidate Starts for Petersenfast_82:

(Start: 30 @46210 has 141 MA's), (39, 46186), (43, 46144), (49, 46093), (Start: 50 @46072 has 2 MA's), (52, 46063), (55, 46042), (56, 46036), (57, 46027), (78, 45940), (82, 45925), (98, 45877), (105, 45850), (109, 45823), (162, 45520), (166, 45475),

Gene: Ph8s_85 Start: 47459, Stop: 46716, Start Num: 30

Candidate Starts for Ph8s_85:

(3, 47672), (4, 47669), (Start: 30 @47459 has 141 MA's), (39, 47441), (43, 47399), (49, 47348), (Start: 50 @47327 has 2 MA's), (64, 47255), (71, 47222), (98, 47129), (105, 47102), (109, 47075), (146, 46880), (159, 46808), (166, 46739),

Gene: Phaeder_88 Start: 48683, Stop: 47922, Start Num: 30

Candidate Starts for Phaeder_88:

(Start: 30 @48683 has 141 MA's), (43, 48623), (49, 48572), (51, 48545), (60, 48491), (71, 48443), (75, 48425), (82, 48401), (98, 48350), (105, 48323), (109, 48296), (146, 48083), (147, 48080), (153, 48047), (166, 47945),

Gene: PhishRPhriends_80 Start: 46035, Stop: 45268, Start Num: 28

Candidate Starts for PhishRPhriends_80:

(Start: 20 @46080 has 1 MA's), (Start: 28 @46035 has 78 MA's), (39, 46014), (43, 45972), (44, 45969), (46, 45948), (Start: 47 @45942 has 1 MA's), (Start: 50 @45900 has 2 MA's), (55, 45870), (57, 45855), (82, 45753), (92, 45714), (96, 45705), (108, 45654), (109, 45642), (134, 45492), (146, 45432),

Gene: Phoebe_85 Start: 47036, Stop: 46269, Start Num: 28

Candidate Starts for Phoebe_85:

(Start: 20 @47081 has 1 MA's), (Start: 28 @47036 has 78 MA's), (39, 47015), (44, 46970), (46, 46949), (Start: 47 @46943 has 1 MA's), (Start: 50 @46901 has 2 MA's), (55, 46871), (57, 46856), (82, 46754), (83, 46751), (92, 46715), (109, 46643), (113, 46622), (134, 46493), (142, 46460), (146, 46433),

Gene: Phonnegut_88 Start: 48696, Stop: 47935, Start Num: 30

Candidate Starts for Phonnegut_88:

(10, 48822), (Start: 30 @48696 has 141 MA's), (43, 48636), (46, 48612), (49, 48585), (51, 48558), (60, 48504), (71, 48456), (75, 48438), (82, 48414), (98, 48363), (105, 48336), (109, 48309), (146, 48096), (147, 48093), (153, 48060), (166, 47958),

Gene: Phoxy_84 Start: 46972, Stop: 46298, Start Num: 47

Candidate Starts for Phoxy_84:

(44, 46999), (46, 46978), (Start: 47 @46972 has 1 MA's), (Start: 50 @46930 has 2 MA's), (55, 46900), (57, 46885), (82, 46783), (83, 46780), (92, 46744), (109, 46672), (113, 46651), (134, 46522), (142, 46489), (146, 46462),

Gene: Pioneer_88 Start: 48696, Stop: 47935, Start Num: 30

Candidate Starts for Pioneer_88:

(10, 48822), (Start: 30 @48696 has 141 MA's), (43, 48636), (46, 48612), (49, 48585), (51, 48558), (60, 48504), (71, 48456), (75, 48438), (82, 48414), (98, 48363), (105, 48336), (109, 48309), (146, 48096), (147, 48093), (153, 48060), (166, 47958),

Gene: Piro94_83 Start: 48160, Stop: 47402, Start Num: 30

Candidate Starts for Piro94_83:

(Start: 30 @48160 has 141 MA's), (39, 48139), (41, 48127), (43, 48097), (46, 48073), (49, 48046), (Start: 50 @48025 has 2 MA's), (56, 47989), (57, 47980), (65, 47950), (71, 47920), (82, 47878), (96, 47836), (98, 47827), (109, 47773), (117, 47737), (130, 47689), (143, 47590), (146, 47566), (147, 47563), (166, 47425),

Gene: Polyuyki_4 Start: 2672, Stop: 3490, Start Num: 24

Candidate Starts for Polyuyki_4:

(Start: 9 @2549 has 1 MA's), (Start: 24 @2672 has 5 MA's), (42, 2732), (65, 2891), (77, 2948), (80, 2960), (87, 2993), (89, 3002), (94, 3014), (97, 3026), (98, 3029), (123, 3128), (149, 3308), (156, 3350),

Gene: Pomar16_84 Start: 48043, Stop: 47270, Start Num: 30

Candidate Starts for Pomar16_84:

(Start: 30 @48043 has 141 MA's), (39, 48019), (43, 47977), (46, 47953), (Start: 50 @47905 has 2 MA's), (55, 47875), (56, 47869), (78, 47773), (82, 47758), (85, 47746), (109, 47644), (113, 47623), (147, 47431), (166, 47293),

Gene: PotatoSplit_85 Start: 47044, Stop: 46277, Start Num: 28

Candidate Starts for PotatoSplit_85:

(Start: 20 @47089 has 1 MA's), (Start: 28 @47044 has 78 MA's), (39, 47023), (44, 46978), (46, 46957), (Start: 47 @46951 has 1 MA's), (Start: 50 @46909 has 2 MA's), (55, 46879), (57, 46864), (82, 46762), (83, 46759), (92, 46723), (109, 46651), (113, 46630), (134, 46501), (142, 46468), (146, 46441),

Gene: Power_84 Start: 48723, Stop: 47965, Start Num: 30

Candidate Starts for Power_84:

(Start: 30 @48723 has 141 MA's), (39, 48702), (43, 48660), (46, 48636), (49, 48609), (Start: 50 @48588 has 2 MA's), (56, 48552), (57, 48543), (71, 48483), (96, 48399), (98, 48390), (109, 48336), (117, 48300), (130, 48252), (143, 48153), (147, 48126), (158, 48060), (166, 47988),

Gene: Priya_86 Start: 48467, Stop: 47706, Start Num: 30

Candidate Starts for Priya_86:

(Start: 30 @48467 has 141 MA's), (43, 48407), (49, 48356), (51, 48329), (60, 48275), (71, 48227), (75, 48209), (82, 48185), (98, 48134), (105, 48107), (106, 48104), (109, 48080), (146, 47867), (147, 47864), (153, 47831), (166, 47729),

Gene: Prudy_79 Start: 48507, Stop: 47749, Start Num: 29

Candidate Starts for Prudy_79:

(Start: 29 @48507 has 16 MA's), (39, 48486), (41, 48474), (46, 48420), (49, 48393), (52, 48363), (55, 48342), (56, 48336), (60, 48315), (68, 48282), (71, 48267), (82, 48225), (86, 48207), (109, 48120), (113, 48099), (146, 47910), (147, 47907), (166, 47772),

Gene: Qobbit_86 Start: 48429, Stop: 47668, Start Num: 30

Candidate Starts for Qobbit_86:

(Start: 30 @48429 has 141 MA's), (43, 48369), (49, 48318), (51, 48291), (60, 48237), (71, 48189), (75, 48171), (82, 48147), (98, 48096), (105, 48069), (106, 48066), (109, 48042), (146, 47829), (147, 47826), (153, 47793), (166, 47691),

Gene: QueenB2_81 Start: 47813, Stop: 47055, Start Num: 30

Candidate Starts for QueenB2_81:

(Start: 27 @47816 has 3 MA's), (Start: 30 @47813 has 141 MA's), (39, 47792), (43, 47750), (44, 47747), (46, 47726), (49, 47699), (Start: 50 @47678 has 2 MA's), (56, 47642), (57, 47633), (71, 47573), (96, 47489), (98, 47480), (109, 47426), (117, 47390), (130, 47342), (143, 47243), (147, 47216), (158, 47150), (166, 47078),

Gene: QueenBeesly_84 Start: 48520, Stop: 47762, Start Num: 30

Candidate Starts for QueenBeesly_84:

(Start: 30 @48520 has 141 MA's), (39, 48499), (43, 48457), (46, 48433), (49, 48406), (Start: 50 @48385 has 2 MA's), (56, 48349), (57, 48340), (71, 48280), (96, 48196), (98, 48187), (109, 48133), (117, 48097), (130, 48049), (143, 47950), (147, 47923), (158, 47857), (166, 47785),

Gene: Quokka_86 Start: 47576, Stop: 46815, Start Num: 30

Candidate Starts for Quokka_86:

(Start: 30 @47576 has 141 MA's), (39, 47552), (43, 47510), (Start: 50 @47438 has 2 MA's), (55, 47408), (56, 47402), (71, 47333), (82, 47291), (98, 47243), (109, 47189), (129, 47105), (134, 47039), (146, 46979), (147, 46976), (162, 46883), (166, 46838),

Gene: Rachaly_81 Start: 47648, Stop: 46893, Start Num: 29

Candidate Starts for Rachaly_81:

(Start: 29 @47648 has 16 MA's), (39, 47627), (41, 47615), (46, 47561), (49, 47534), (55, 47483), (68, 47423), (71, 47408), (82, 47366), (96, 47324), (109, 47261), (134, 47111), (166, 46916),

Gene: Rahalelujah_87 Start: 48224, Stop: 47463, Start Num: 30

Candidate Starts for Rahalelujah_87:

(Start: 30 @48224 has 141 MA's), (43, 48164), (46, 48140), (49, 48113), (51, 48086), (60, 48032), (71, 47984), (82, 47942), (98, 47891), (105, 47864), (109, 47837), (113, 47816), (122, 47786), (147, 47621), (166, 47486),

Gene: Reba_79 Start: 45691, Stop: 44924, Start Num: 28

Candidate Starts for Reba_79:

(Start: 20 @45736 has 1 MA's), (Start: 28 @45691 has 78 MA's), (39, 45670), (43, 45628), (44, 45625), (46, 45604), (Start: 47 @45598 has 1 MA's), (Start: 50 @45556 has 2 MA's), (55, 45526), (57, 45511), (82, 45409), (92, 45370), (96, 45361), (108, 45310), (109, 45298), (134, 45148), (146, 45088),

Gene: RedRock_84 Start: 48769, Stop: 48014, Start Num: 30

Candidate Starts for RedRock_84:

(Start: 30 @48769 has 141 MA's), (39, 48748), (43, 48706), (46, 48682), (49, 48655), (Start: 50 @48634 has 2 MA's), (56, 48598), (57, 48589), (65, 48559), (71, 48529), (96, 48445), (98, 48436), (109, 48382), (117, 48346), (130, 48298), (147, 48172), (166, 48034),

Gene: Refuge_86 Start: 50447, Stop: 49695, Start Num: 29

Candidate Starts for Refuge_86:

(Start: 29 @50447 has 16 MA's), (39, 50426), (41, 50414), (48, 50336), (49, 50333), (52, 50303), (55, 50282), (71, 50207), (75, 50189), (76, 50186), (82, 50165), (96, 50123), (98, 50114), (109, 50060),

(113, 50039), (120, 50021), (127, 49982), (147, 49850), (157, 49790),

Gene: Remus_88 Start: 47411, Stop: 46695, Start Num: 32

Candidate Starts for Remus_88:

(16, 47507), (Start: 18 @47477 has 1 MA's), (22, 47456), (Start: 32 @47411 has 6 MA's), (39, 47387), (49, 47294), (57, 47228), (70, 47171), (74, 47153), (82, 47126), (91, 47096), (94, 47090), (96, 47084), (98, 47075), (109, 47021), (112, 47009), (147, 46853),

Gene: Retro23_84 Start: 48244, Stop: 47486, Start Num: 30

Candidate Starts for Retro23_84:

(Start: 30 @48244 has 141 MA's), (39, 48223), (43, 48181), (46, 48157), (49, 48130), (Start: 50 @48109 has 2 MA's), (56, 48073), (64, 48037), (71, 48004), (96, 47920), (98, 47911), (109, 47857), (117, 47821), (130, 47773), (143, 47674), (146, 47650), (147, 47647), (166, 47509),

Gene: Rummer_83 Start: 47068, Stop: 46301, Start Num: 28

Candidate Starts for Rummer_83:

(Start: 20 @47113 has 1 MA's), (Start: 28 @47068 has 78 MA's), (39, 47047), (44, 47002), (46, 46981), (Start: 47 @46975 has 1 MA's), (Start: 50 @46933 has 2 MA's), (55, 46903), (57, 46888), (82, 46786), (83, 46783), (92, 46747), (109, 46675), (113, 46654), (134, 46525), (142, 46492), (146, 46465),

Gene: RyeScarlet_89 Start: 48673, Stop: 47912, Start Num: 30

Candidate Starts for RyeScarlet_89:

(10, 48799), (Start: 30 @48673 has 141 MA's), (43, 48613), (46, 48589), (49, 48562), (51, 48535), (60, 48481), (71, 48433), (75, 48415), (82, 48391), (98, 48340), (105, 48313), (109, 48286), (146, 48073), (147, 48070), (153, 48037), (166, 47935),

Gene: Sabia_82 Start: 47048, Stop: 46281, Start Num: 28

Candidate Starts for Sabia_82:

(Start: 21 @47081 has 1 MA's), (Start: 28 @47048 has 78 MA's), (39, 47027), (44, 46982), (46, 46961), (Start: 47 @46955 has 1 MA's), (Start: 50 @46913 has 2 MA's), (55, 46883), (57, 46868), (82, 46766), (83, 46763), (92, 46727), (109, 46655), (113, 46634), (134, 46505), (142, 46472), (146, 46445),

Gene: Sabinator_82 Start: 47042, Stop: 46275, Start Num: 28

Candidate Starts for Sabinator_82:

(Start: 20 @47087 has 1 MA's), (Start: 28 @47042 has 78 MA's), (39, 47021), (44, 46976), (46, 46955), (Start: 47 @46949 has 1 MA's), (Start: 50 @46907 has 2 MA's), (55, 46877), (57, 46862), (82, 46760), (83, 46757), (92, 46721), (109, 46649), (113, 46628), (134, 46499), (142, 46466), (146, 46439),

Gene: Sachima_84 Start: 48711, Stop: 47950, Start Num: 30

Candidate Starts for Sachima_84:

(10, 48837), (Start: 30 @48711 has 141 MA's), (43, 48651), (46, 48627), (49, 48600), (51, 48573), (60, 48519), (71, 48471), (75, 48453), (82, 48429), (98, 48378), (105, 48351), (109, 48324), (146, 48111), (147, 48108), (153, 48075), (166, 47973),

Gene: Salz_81 Start: 46125, Stop: 45367, Start Num: 30

Candidate Starts for Salz_81:

(Start: 30 @46125 has 141 MA's), (39, 46101), (43, 46059), (49, 46008), (Start: 50 @45987 has 2 MA's), (52, 45978), (55, 45957), (56, 45951), (57, 45942), (78, 45855), (82, 45840), (98, 45792), (105, 45765), (109, 45738), (162, 45435), (166, 45390),

Gene: Sapo_49 Start: 39622, Stop: 40341, Start Num: 26

Candidate Starts for Sapo_49:

(Start: 26 @39622 has 3 MA's), (43, 39697), (52, 39778), (74, 39886), (98, 39949), (100, 39955), (131, 40099), (134, 40120), (157, 40237),

Gene: Saskia_84 Start: 46673, Stop: 45915, Start Num: 30

Candidate Starts for Saskia_84:

(Start: 30 @46673 has 141 MA's), (39, 46649), (43, 46607), (49, 46556), (Start: 50 @46535 has 2 MA's), (52, 46526), (55, 46505), (56, 46499), (57, 46490), (78, 46403), (82, 46388), (98, 46340), (105, 46313), (109, 46286), (162, 45983), (166, 45938),

Gene: Scherzo_86 Start: 48728, Stop: 47967, Start Num: 30

Candidate Starts for Scherzo_86:

(10, 48854), (Start: 30 @48728 has 141 MA's), (43, 48668), (46, 48644), (49, 48617), (51, 48590), (60, 48536), (71, 48488), (75, 48470), (82, 48446), (98, 48395), (105, 48368), (109, 48341), (146, 48128), (147, 48125), (153, 48092), (166, 47990),

Gene: SemperFi_84 Start: 48408, Stop: 47650, Start Num: 30

Candidate Starts for SemperFi_84:

(Start: 30 @48408 has 141 MA's), (39, 48387), (43, 48345), (46, 48321), (49, 48294), (Start: 50 @48273 has 2 MA's), (56, 48237), (57, 48228), (71, 48168), (96, 48084), (98, 48075), (109, 48021), (117, 47985), (130, 47937), (143, 47838), (147, 47811), (158, 47745), (166, 47673),

Gene: Serenity_87 Start: 47616, Stop: 46855, Start Num: 30

Candidate Starts for Serenity_87:

(Start: 30 @47616 has 141 MA's), (39, 47592), (43, 47550), (Start: 50 @47478 has 2 MA's), (55, 47448), (56, 47442), (71, 47373), (98, 47283), (109, 47229), (129, 47145), (134, 47079), (146, 47019), (147, 47016), (162, 46923), (166, 46878),

Gene: Settecandela_184 Start: 119829, Stop: 120656, Start Num: 37

Candidate Starts for Settecandela_184:

(11, 119691), (Start: 37 @119829 has 1 MA's), (46, 119907), (Start: 47 @119913 has 1 MA's), (60, 120003), (66, 120027), (73, 120057), (103, 120189), (105, 120195), (115, 120255), (132, 120366), (144, 120435), (149, 120471),

Gene: Sham4_82 Start: 46211, Stop: 45453, Start Num: 30

Candidate Starts for Sham4_82:

(Start: 30 @46211 has 141 MA's), (39, 46187), (43, 46145), (49, 46094), (Start: 50 @46073 has 2 MA's), (52, 46064), (55, 46043), (56, 46037), (57, 46028), (78, 45941), (82, 45926), (98, 45878), (105, 45851), (109, 45824), (162, 45521), (166, 45476),

Gene: SheaKeira_83 Start: 47967, Stop: 47209, Start Num: 30

Candidate Starts for SheaKeira_83:

(Start: 30 @47967 has 141 MA's), (39, 47949), (49, 47856), (51, 47829), (71, 47730), (82, 47688), (98, 47637), (105, 47610), (109, 47583), (113, 47562), (147, 47367), (153, 47334), (166, 47232),

Gene: Sknot_84 Start: 48019, Stop: 47261, Start Num: 30

Candidate Starts for Sknot_84:

(Start: 30 @48019 has 141 MA's), (39, 47998), (41, 47986), (43, 47956), (46, 47932), (49, 47905), (Start: 50 @47884 has 2 MA's), (56, 47848), (57, 47839), (65, 47809), (71, 47779), (82, 47737), (96, 47695), (98, 47686), (109, 47632), (117, 47596), (130, 47548), (143, 47449), (146, 47425), (147, 47422), (166, 47284),

Gene: Smeagan_87 Start: 48956, Stop: 48201, Start Num: 30

Candidate Starts for Smeagan_87:

(Start: 30 @48956 has 141 MA's), (39, 48935), (43, 48893), (46, 48869), (Start: 50 @48821 has 2 MA's), (63, 48752), (71, 48716), (94, 48638), (109, 48569), (113, 48548), (146, 48362), (147, 48359), (166, 48221),

Gene: SnapTap_84 Start: 48379, Stop: 47621, Start Num: 30

Candidate Starts for SnapTap_84:

(Start: 30 @48379 has 141 MA's), (39, 48358), (43, 48316), (46, 48292), (49, 48265), (Start: 50 @48244 has 2 MA's), (56, 48208), (57, 48199), (71, 48139), (96, 48055), (98, 48046), (109, 47992), (117, 47956), (130, 47908), (143, 47809), (147, 47782), (158, 47716), (166, 47644),

Gene: Snape_86 Start: 47318, Stop: 46560, Start Num: 30

Candidate Starts for Snape_86:

(Start: 30 @47318 has 141 MA's), (39, 47294), (43, 47252), (49, 47201), (Start: 50 @47180 has 2 MA's), (52, 47171), (55, 47150), (56, 47144), (57, 47135), (78, 47048), (82, 47033), (98, 46985), (105, 46958), (109, 46931), (162, 46628), (166, 46583),

Gene: Snickers_84 Start: 47013, Stop: 46246, Start Num: 28

Candidate Starts for Snickers_84:

(Start: 21 @47046 has 1 MA's), (Start: 28 @47013 has 78 MA's), (39, 46992), (44, 46947), (46, 46926), (Start: 47 @46920 has 1 MA's), (Start: 50 @46878 has 2 MA's), (55, 46848), (57, 46833), (82, 46731), (83, 46728), (92, 46692), (109, 46620), (113, 46599), (134, 46470), (142, 46437), (146, 46410),

Gene: SoYo_81 Start: 46956, Stop: 46189, Start Num: 28

Candidate Starts for SoYo_81:

(Start: 20 @47001 has 1 MA's), (Start: 28 @46956 has 78 MA's), (39, 46935), (44, 46890), (46, 46869), (Start: 47 @46863 has 1 MA's), (Start: 50 @46821 has 2 MA's), (55, 46791), (57, 46776), (82, 46674), (83, 46671), (92, 46635), (109, 46563), (113, 46542), (134, 46413), (142, 46380), (146, 46353),

Gene: SoilDragon_84 Start: 46516, Stop: 45716, Start Num: 21

Candidate Starts for SoilDragon_84:

(Start: 21 @46516 has 1 MA's), (Start: 28 @46483 has 78 MA's), (39, 46462), (44, 46417), (46, 46396), (Start: 47 @46390 has 1 MA's), (Start: 50 @46348 has 2 MA's), (55, 46318), (57, 46303), (82, 46201), (83, 46198), (92, 46162), (109, 46090), (113, 46069), (134, 45940), (142, 45907), (146, 45880),

Gene: Soshari_86 Start: 47064, Stop: 46297, Start Num: 28

Candidate Starts for Soshari_86:

(Start: 20 @47109 has 1 MA's), (Start: 28 @47064 has 78 MA's), (39, 47043), (44, 46998), (46, 46977), (Start: 47 @46971 has 1 MA's), (Start: 50 @46929 has 2 MA's), (55, 46899), (57, 46884), (82, 46782), (83, 46779), (92, 46743), (109, 46671), (113, 46650), (134, 46521), (142, 46488), (146, 46461),

Gene: Soups_87 Start: 47266, Stop: 46484, Start Num: 18

Candidate Starts for Soups_87:

(16, 47296), (Start: 18 @47266 has 1 MA's), (22, 47245), (Start: 32 @47200 has 6 MA's), (39, 47176), (49, 47083), (57, 47017), (70, 46960), (74, 46942), (82, 46915), (91, 46885), (94, 46879), (96, 46873), (98, 46864), (109, 46810), (112, 46798), (147, 46642),

Gene: Spike509_84 Start: 47065, Stop: 46298, Start Num: 28

Candidate Starts for Spike509_84:

(Start: 21 @47098 has 1 MA's), (Start: 28 @47065 has 78 MA's), (39, 47044), (44, 46999), (46, 46978), (Start: 47 @46972 has 1 MA's), (Start: 50 @46930 has 2 MA's), (55, 46900), (57, 46885), (82, 46783), (83, 46780), (92, 46744), (109, 46672), (113, 46651), (134, 46522), (142, 46489), (146, 46462),

Gene: Spouty_86 Start: 48466, Stop: 47705, Start Num: 30

Candidate Starts for Spouty_86:

(Start: 30 @48466 has 141 MA's), (43, 48406), (49, 48355), (51, 48328), (60, 48274), (71, 48226), (75, 48208), (82, 48184), (98, 48133), (105, 48106), (106, 48103), (109, 48079), (146, 47866), (147, 47863), (153, 47830), (166, 47728),

Gene: SqueakyClean_66 Start: 44668, Stop: 43940, Start Num: 35

Candidate Starts for SqueakyClean_66:

(Start: 35 @44668 has 15 MA's), (49, 44554), (95, 44377), (134, 44194), (150, 44113), (152, 44095), (173, 43957),

Gene: Stagni_81 Start: 47043, Stop: 46276, Start Num: 28

Candidate Starts for Stagni_81:

(Start: 21 @47076 has 1 MA's), (Start: 28 @47043 has 78 MA's), (39, 47022), (44, 46977), (46, 46956), (Start: 47 @46950 has 1 MA's), (Start: 50 @46908 has 2 MA's), (55, 46878), (57, 46863), (82, 46761), (83, 46758), (92, 46722), (109, 46650), (113, 46629), (134, 46500), (142, 46467), (146, 46440),

Gene: StarStuff_84 Start: 48005, Stop: 47232, Start Num: 30

Candidate Starts for StarStuff_84:

(Start: 30 @48005 has 141 MA's), (39, 47981), (43, 47939), (46, 47915), (Start: 50 @47867 has 2 MA's), (55, 47837), (56, 47831), (78, 47735), (82, 47720), (85, 47708), (109, 47606), (113, 47585), (147, 47393), (166, 47255),

Gene: Steamy_83 Start: 49417, Stop: 48665, Start Num: 29

Candidate Starts for Steamy_83:

(Start: 29 @49417 has 16 MA's), (39, 49399), (49, 49306), (55, 49255), (71, 49180), (75, 49162), (82, 49138), (93, 49102), (98, 49087), (109, 49033), (113, 49012), (120, 48994), (134, 48883), (136, 48877),

Gene: StepMih_84 Start: 47034, Stop: 46267, Start Num: 28

Candidate Starts for StepMih_84:

(Start: 21 @47067 has 1 MA's), (Start: 28 @47034 has 78 MA's), (39, 47013), (44, 46968), (46, 46947), (Start: 47 @46941 has 1 MA's), (Start: 50 @46899 has 2 MA's), (55, 46869), (57, 46854), (82, 46752), (83, 46749), (92, 46713), (109, 46641), (113, 46620), (134, 46491), (142, 46458), (146, 46431),

Gene: Strosahl_88 Start: 47411, Stop: 46695, Start Num: 32

Candidate Starts for Strosahl_88:

(16, 47507), (Start: 18 @47477 has 1 MA's), (22, 47456), (Start: 32 @47411 has 6 MA's), (39, 47387), (49, 47294), (57, 47228), (70, 47171), (74, 47153), (82, 47126), (91, 47096), (94, 47090), (96, 47084), (98, 47075), (109, 47021), (112, 47009), (147, 46853),

Gene: Superchunk_84 Start: 47204, Stop: 46461, Start Num: 30

Candidate Starts for Superchunk_84:

(Start: 30 @47204 has 141 MA's), (39, 47186), (43, 47144), (49, 47093), (Start: 50 @47072 has 2 MA's), (64, 47000), (71, 46967), (82, 46925), (84, 46919), (98, 46874), (105, 46847), (109, 46820), (111, 46811), (146, 46625), (153, 46589), (159, 46553), (166, 46484),

Gene: SweetiePie_84 Start: 48512, Stop: 47754, Start Num: 30

Candidate Starts for SweetiePie_84:

(Start: 30 @48512 has 141 MA's), (39, 48491), (43, 48449), (46, 48425), (49, 48398), (Start: 50 @48377 has 2 MA's), (56, 48341), (57, 48332), (71, 48272), (96, 48188), (98, 48179), (109, 48125), (117, 48089), (130, 48041), (143, 47942), (147, 47915), (158, 47849), (166, 47777),

Gene: SwirlSquare_86 Start: 46934, Stop: 46176, Start Num: 30

Candidate Starts for SwirlSquare_86:

(7, 47099), (Start: 30 @46934 has 141 MA's), (39, 46910), (43, 46868), (46, 46844), (49, 46817), (Start: 50 @46796 has 2 MA's), (55, 46766), (57, 46751), (71, 46691), (72, 46688), (74, 46676), (82, 46649), (98, 46604), (109, 46550), (110, 46547), (143, 46364), (146, 46340), (147, 46337), (157, 46277), (166, 46199),

Gene: TarsusIV_83 Start: 48405, Stop: 47653, Start Num: 29

Candidate Starts for TarsusIV_83:

(Start: 29 @48405 has 16 MA's), (39, 48384), (41, 48372), (46, 48318), (49, 48291), (68, 48180), (71, 48165), (82, 48123), (96, 48081), (109, 48018), (134, 47868), (146, 47811), (147, 47808), (153, 47775), (166, 47673),

Gene: Taurus_85 Start: 47043, Stop: 46276, Start Num: 28

Candidate Starts for Taurus_85:

(Start: 21 @47076 has 1 MA's), (Start: 28 @47043 has 78 MA's), (39, 47022), (44, 46977), (46, 46956), (Start: 47 @46950 has 1 MA's), (Start: 50 @46908 has 2 MA's), (55, 46878), (57, 46863), (82, 46761), (83, 46758), (92, 46722), (109, 46650), (113, 46629), (134, 46500), (142, 46467), (146, 46440),

Gene: Terrific_85 Start: 47993, Stop: 47235, Start Num: 30

Candidate Starts for Terrific_85:

(Start: 30 @47993 has 141 MA's), (39, 47972), (41, 47960), (43, 47930), (46, 47906), (49, 47879), (Start: 50 @47858 has 2 MA's), (56, 47822), (57, 47813), (65, 47783), (71, 47753), (82, 47711), (96, 47669), (98, 47660), (109, 47606), (117, 47570), (130, 47522), (143, 47423), (146, 47399), (147, 47396), (166, 47258),

Gene: Thestral_68 Start: 45402, Stop: 44662, Start Num: 35

Candidate Starts for Thestral_68:

(8, 45543), (Start: 20 @45459 has 1 MA's), (Start: 35 @45402 has 15 MA's), (49, 45282), (51, 45255), (87, 45129), (113, 45039), (125, 45000), (128, 44982), (131, 44943), (134, 44922),

Gene: Tiffany_83 Start: 46928, Stop: 46161, Start Num: 28

Candidate Starts for Tiffany_83:

(Start: 20 @46973 has 1 MA's), (Start: 28 @46928 has 78 MA's), (39, 46907), (44, 46862), (46, 46841), (Start: 47 @46835 has 1 MA's), (Start: 50 @46793 has 2 MA's), (55, 46763), (57, 46748), (82, 46646), (83, 46643), (92, 46607), (109, 46535), (113, 46514), (134, 46385), (142, 46352), (146, 46325),

Gene: Timothy_86 Start: 47295, Stop: 46537, Start Num: 30

Candidate Starts for Timothy_86:

(Start: 30 @47295 has 141 MA's), (39, 47271), (43, 47229), (49, 47178), (Start: 50 @47157 has 2 MA's), (52, 47148), (55, 47127), (56, 47121), (57, 47112), (78, 47025), (82, 47010), (98, 46962), (105, 46935), (109, 46908), (162, 46605), (166, 46560),

Gene: TinaBelcher_66 Start: 45320, Stop: 44529, Start Num: 20

Candidate Starts for TinaBelcher_66:

(Start: 15 @45362 has 2 MA's), (17, 45356), (Start: 20 @45320 has 1 MA's), (Start: 35 @45263 has 15 MA's), (38, 45254), (49, 45149), (51, 45122), (87, 44996), (113, 44906), (125, 44867), (128, 44849), (131, 44810), (134, 44789),

Gene: TinyPebbles_83 Start: 47072, Stop: 46305, Start Num: 28

Candidate Starts for TinyPebbles_83:

(Start: 20 @47117 has 1 MA's), (Start: 28 @47072 has 78 MA's), (39, 47051), (44, 47006), (46, 46985), (Start: 47 @46979 has 1 MA's), (Start: 50 @46937 has 2 MA's), (55, 46907), (57, 46892), (82, 46790), (83, 46787), (92, 46751), (109, 46679), (113, 46658), (134, 46529), (142, 46496), (146, 46469),

Gene: TinyTimmy_84 Start: 47024, Stop: 46266, Start Num: 30

Candidate Starts for TinyTimmy_84:

(Start: 30 @47024 has 141 MA's), (39, 47000), (43, 46958), (49, 46907), (Start: 50 @46886 has 2 MA's), (52, 46877), (55, 46856), (56, 46850), (57, 46841), (78, 46754), (82, 46739), (98, 46691), (105, 46664), (109, 46637), (162, 46334), (166, 46289),

Gene: TopsytheTRex_83 Start: 47618, Stop: 46857, Start Num: 30

Candidate Starts for TopsytheTRex_83:

(Start: 30 @47618 has 141 MA's), (39, 47594), (43, 47552), (Start: 50 @47480 has 2 MA's), (55, 47450), (56, 47444), (71, 47375), (98, 47285), (109, 47231), (129, 47147), (134, 47081), (146, 47021), (147, 47018), (162, 46925), (166, 46880),

Gene: Toaka_86 Start: 48570, Stop: 47812, Start Num: 30

Candidate Starts for Toaka_86:

(Start: 30 @48570 has 141 MA's), (39, 48552), (46, 48486), (49, 48459), (51, 48432), (71, 48333), (82, 48291), (98, 48240), (105, 48213), (109, 48186), (112, 48174), (120, 48147), (122, 48135), (147, 47970), (166, 47835),

Gene: Tomathan_84 Start: 48083, Stop: 47310, Start Num: 30

Candidate Starts for Tomathan_84:

(Start: 30 @48083 has 141 MA's), (39, 48059), (43, 48017), (46, 47993), (Start: 50 @47945 has 2 MA's), (55, 47915), (56, 47909), (78, 47813), (82, 47798), (85, 47786), (109, 47684), (113, 47663), (147, 47471), (166, 47333),

Gene: Travvers_84 Start: 48000, Stop: 47227, Start Num: 30

Candidate Starts for Travvers_84:

(Start: 30 @48000 has 141 MA's), (39, 47976), (43, 47934), (46, 47910), (Start: 50 @47862 has 2 MA's), (55, 47832), (56, 47826), (72, 47754), (78, 47730), (82, 47715), (85, 47703), (109, 47601), (113, 47580), (147, 47388), (166, 47250),

Gene: Trixie_84 Start: 48979, Stop: 48218, Start Num: 27

Candidate Starts for Trixie_84:

(Start: 27 @48979 has 3 MA's), (Start: 30 @48976 has 141 MA's), (39, 48952), (43, 48910), (46, 48886), (49, 48859), (56, 48802), (57, 48793), (63, 48769), (71, 48733), (96, 48655), (98, 48646), (109, 48592), (126, 48517), (134, 48436), (147, 48376), (156, 48328), (157, 48316), (166, 48238),

Gene: Trooper_83 Start: 47964, Stop: 47212, Start Num: 29

Candidate Starts for Trooper_83:

(Start: 29 @47964 has 16 MA's), (39, 47943), (41, 47931), (46, 47877), (49, 47850), (71, 47724), (82, 47682), (96, 47640), (109, 47577), (146, 47370), (147, 47367), (153, 47334), (166, 47232),

Gene: TrvxScott_65 Start: 45467, Stop: 44634, Start Num: 15

Candidate Starts for TrvxScott_65:

(Start: 15 @45467 has 2 MA's), (17, 45461), (Start: 20 @45425 has 1 MA's), (Start: 35 @45368 has 15 MA's), (38, 45359), (49, 45254), (51, 45227), (113, 45011), (125, 44972), (128, 44954), (131, 44915), (134, 44894),

Gene: Tubs_88 Start: 48683, Stop: 47922, Start Num: 30

Candidate Starts for Tubs_88:

(Start: 30 @48683 has 141 MA's), (43, 48623), (49, 48572), (51, 48545), (60, 48491), (71, 48443), (75, 48425), (82, 48401), (98, 48350), (105, 48323), (109, 48296), (146, 48083), (147, 48080), (153, 48047), (166, 47945),

Gene: Turbido_85 Start: 48677, Stop: 47922, Start Num: 30

Candidate Starts for Turbido_85:

(Start: 30 @48677 has 141 MA's), (39, 48656), (43, 48614), (46, 48590), (Start: 50 @48542 has 2 MA's), (63, 48473), (71, 48437), (94, 48359), (109, 48290), (113, 48269), (146, 48083), (147, 48080), (166, 47942),

Gene: Ugenie5_75 Start: 46172, Stop: 45411, Start Num: 30

Candidate Starts for Ugenie5_75:

(10, 46298), (Start: 30 @46172 has 141 MA's), (43, 46112), (46, 46088), (49, 46061), (51, 46034), (60, 45980), (71, 45932), (75, 45914), (82, 45890), (98, 45839), (105, 45812), (109, 45785), (146, 45572), (147, 45569), (153, 45536), (166, 45434),

Gene: Updawg_85 Start: 48207, Stop: 47449, Start Num: 30

Candidate Starts for Updawg_85:

(Start: 30 @48207 has 141 MA's), (39, 48186), (41, 48174), (43, 48144), (46, 48120), (49, 48093), (Start: 50 @48072 has 2 MA's), (56, 48036), (57, 48027), (65, 47997), (71, 47967), (96, 47883), (98, 47874), (109, 47820), (117, 47784), (130, 47736), (143, 47637), (146, 47613), (147, 47610), (166, 47472),

Gene: VA6_84 Start: 48305, Stop: 47550, Start Num: 30

Candidate Starts for VA6_84:

(Start: 30 @48305 has 141 MA's), (39, 48284), (43, 48242), (49, 48191), (Start: 50 @48170 has 2 MA's), (56, 48134), (57, 48125), (65, 48095), (71, 48065), (98, 47972), (109, 47918), (117, 47882), (119, 47879), (130, 47834), (143, 47735), (147, 47708), (156, 47660), (166, 47570),

Gene: VC3_82 Start: 46905, Stop: 46132, Start Num: 30

Candidate Starts for VC3_82:

(Start: 30 @46905 has 141 MA's), (39, 46881), (43, 46839), (46, 46815), (Start: 50 @46767 has 2 MA's), (55, 46737), (56, 46731), (72, 46659), (78, 46635), (82, 46620), (85, 46608), (109, 46506), (113, 46485), (147, 46293), (166, 46155),

Gene: VanLee_161 Start: 81358, Stop: 80615, Start Num: 34

Candidate Starts for VanLee_161:

(Start: 34 @81358 has 1 MA's), (46, 81268), (53, 81208), (72, 81124), (79, 81106), (88, 81079), (89, 81076), (97, 81052), (105, 81025), (113, 80983), (121, 80962), (131, 80896), (134, 80875), (135, 80872), (148, 80797), (150, 80788), (155, 80758),

Gene: Vanisoa_83 Start: 48902, Stop: 48144, Start Num: 30

Candidate Starts for Vanisoa_83:

(Start: 30 @48902 has 141 MA's), (39, 48884), (49, 48791), (51, 48764), (71, 48665), (75, 48647), (82, 48623), (98, 48572), (105, 48545), (109, 48518), (147, 48302), (153, 48269), (166, 48167),

Gene: Vix_80 Start: 47123, Stop: 46356, Start Num: 28

Candidate Starts for Vix_80:

(Start: 20 @47168 has 1 MA's), (Start: 28 @47123 has 78 MA's), (39, 47102), (44, 47057), (46, 47036), (Start: 47 @47030 has 1 MA's), (Start: 50 @46988 has 2 MA's), (55, 46958), (57, 46943), (82, 46841), (83, 46838), (92, 46802), (109, 46730), (113, 46709), (134, 46580), (142, 46547), (146, 46520),

Gene: Warrior24_89 Start: 47992, Stop: 47276, Start Num: 32

Candidate Starts for Warrior24_89:

(16, 48088), (22, 48037), (Start: 32 @47992 has 6 MA's), (39, 47968), (57, 47809), (68, 47764), (70, 47752), (74, 47734), (82, 47707), (91, 47677), (94, 47671), (96, 47665), (98, 47656), (109, 47602),

(112, 47590), (158, 47368),

Gene: Watson_83 Start: 47032, Stop: 46265, Start Num: 28

Candidate Starts for Watson_83:

(Start: 21 @47065 has 1 MA's), (Start: 28 @47032 has 78 MA's), (39, 47011), (44, 46966), (46, 46945), (Start: 47 @46939 has 1 MA's), (Start: 50 @46897 has 2 MA's), (55, 46867), (57, 46852), (82, 46750), (83, 46747), (92, 46711), (109, 46639), (113, 46618), (134, 46489), (142, 46456), (146, 46429),

Gene: WeiHuaDA_86 Start: 49232, Stop: 48477, Start Num: 30

Candidate Starts for WeiHuaDA_86:

(Start: 30 @49232 has 141 MA's), (39, 49211), (43, 49169), (46, 49145), (49, 49118), (Start: 50 @49097 has 2 MA's), (56, 49061), (57, 49052), (63, 49028), (71, 48992), (96, 48914), (98, 48905), (109, 48851), (146, 48638), (147, 48635), (156, 48587), (157, 48575), (166, 48497),

Gene: Whabigail7_84 Start: 48675, Stop: 47920, Start Num: 30

Candidate Starts for Whabigail7_84:

(Start: 30 @48675 has 141 MA's), (39, 48654), (43, 48612), (46, 48588), (Start: 50 @48540 has 2 MA's), (63, 48471), (71, 48435), (94, 48357), (109, 48288), (113, 48267), (146, 48081), (147, 48078), (166, 47940),

Gene: WideWale_85 Start: 48207, Stop: 47449, Start Num: 30

Candidate Starts for WideWale_85:

(Start: 30 @48207 has 141 MA's), (39, 48186), (41, 48174), (43, 48144), (46, 48120), (49, 48093), (Start: 50 @48072 has 2 MA's), (56, 48036), (57, 48027), (65, 47997), (71, 47967), (96, 47883), (98, 47874), (109, 47820), (117, 47784), (130, 47736), (143, 47637), (146, 47613), (147, 47610), (166, 47472),

Gene: Wolpertinger_85 Start: 47330, Stop: 46572, Start Num: 30

Candidate Starts for Wolpertinger_85:

(Start: 30 @47330 has 141 MA's), (39, 47306), (43, 47264), (49, 47213), (Start: 50 @47192 has 2 MA's), (52, 47183), (55, 47162), (56, 47156), (57, 47147), (78, 47060), (82, 47045), (98, 46997), (105, 46970), (109, 46943), (162, 46640), (166, 46595),

Gene: Wooldri_86 Start: 46949, Stop: 46182, Start Num: 28

Candidate Starts for Wooldri_86:

(Start: 20 @46994 has 1 MA's), (Start: 28 @46949 has 78 MA's), (39, 46928), (44, 46883), (46, 46862), (Start: 47 @46856 has 1 MA's), (Start: 50 @46814 has 2 MA's), (55, 46784), (57, 46769), (82, 46667), (83, 46664), (92, 46628), (109, 46556), (113, 46535), (134, 46406), (142, 46373), (146, 46346),

Gene: WorldCup_86 Start: 48363, Stop: 47602, Start Num: 30

Candidate Starts for WorldCup_86:

(Start: 30 @48363 has 141 MA's), (43, 48303), (46, 48279), (49, 48252), (51, 48225), (60, 48171), (71, 48123), (82, 48081), (98, 48030), (105, 48003), (109, 47976), (113, 47955), (122, 47925), (147, 47760), (166, 47625),

Gene: XianYue_83 Start: 48459, Stop: 47704, Start Num: 30

Candidate Starts for XianYue_83:

(Start: 30 @48459 has 141 MA's), (39, 48438), (43, 48396), (46, 48372), (49, 48345), (Start: 50 @48324 has 2 MA's), (56, 48288), (57, 48279), (65, 48249), (71, 48219), (96, 48135), (98, 48126), (109, 48072), (116, 48039), (130, 47988), (146, 47865), (147, 47862), (166, 47724),

Gene: Yecey3_89 Start: 48441, Stop: 47680, Start Num: 30

Candidate Starts for Yecey3_89:

(12, 48561), (Start: 30 @48441 has 141 MA's), (43, 48381), (46, 48357), (49, 48330), (51, 48303), (60, 48249), (71, 48201), (75, 48183), (76, 48180), (82, 48159), (98, 48108), (105, 48081), (109, 48054), (120, 48015), (146, 47841), (147, 47838), (166, 47703),

Gene: Zimmer_85 Start: 49879, Stop: 49121, Start Num: 29

Candidate Starts for Zimmer_85:

(Start: 29 @49879 has 16 MA's), (39, 49858), (41, 49846), (46, 49792), (49, 49765), (55, 49714), (68, 49654), (71, 49639), (109, 49492), (113, 49471), (120, 49453), (127, 49414), (134, 49342), (166, 49144),