



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 292382 Report

This analysis was run 04/18/26 on database version 643.

Pham number 292382 has 311 members, 35 are drafts.

Phages represented in each track:

- Track 1 : LordVader_13, Misha28_12, TootsiePop_12
- Track 2 : Clank_11
- Track 3 : Doomslug_13
- Track 4 : Guppsters_11, WillSterrel_11, NewHope4_11, DotProduct_11, Galactic_11, IrishSherpFalk_11, Shauna1_11, Enzomatic_12, Spartacus_11, Polo2Bam_12, Phanphagia_11, LunaBlu_11, SeaLumen_11
- Track 5 : NormanBulbieJr_11, OlympiaSaint_11, Crumble_11
- Track 6 : Hlubikazi_11, Strokeseat_11, Mandlovu_11
- Track 7 : Royals2015_11
- Track 8 : Emma_11
- Track 9 : DosHalletts_12, Beanstalk_13, Spikelee_12
- Track 10 : Bubbles123_11
- Track 11 : Stap_12, Tootsieroll_12, Radiance_11, Karhdo_11
- Track 12 : Modragons_11, Seabastian_11, AlpineSix_11, OfUltron_11, Nichirin_11, Jinglebell_11, Llama_11, Ochi17_11
- Track 13 : Brushbloom_12
- Track 14 : SimranZ1_12
- Track 15 : Brocalys_11, Saal_11, Pippy_11, GigiOuiOui_11, Gorge_11
- Track 16 : DeadP_11, Taj_11, Hamulus_11
- Track 17 : Clifton_11, Zerg_11, Nitzel_12, Jennelsea_11, Peridot_13, Eradicator_11, Sandalphon_11, Minnie_11, Koella_11
- Track 18 : Wachhund_11, Beakin_12, Estave1_11
- Track 19 : Aubs_11
- Track 20 : Rockne_11, Llij_11, Phatniss_11, PMC_11
- Track 21 : Sabbb_11
- Track 22 : Tchotchke_12
- Track 23 : Vivum_11
- Track 24 : ArcusAngelus_11, Mozy_12, Chevrolet_11
- Track 25 : RitaG_11
- Track 26 : MinionDave_12
- Track 27 : lbhubesi_11, Harley_11
- Track 28 : Flathead_12
- Track 29 : DaddyRickover_11, BlueCrab_11, Deb65_11, lbOuu_11, Nimbo_11, Doomphist_11, Poenanya_11, RedBird_11, Scottish_11, Leperchaun_11, JoeyJr_11, OldBen_11, BodEinwohner17_11, Geralt_11, PHappiness_11
- Track 30 : SG4_11
- Track 31 : Donkeykong_11

- Track 32 : Oksu_12
- Track 33 : MulchExplorer_12, Juice456_12, Plumbus_12, DaWorst_12, Kimberlium_12
- Track 34 : MadMen_11, Sparkdehlily_11, ChickenDinner_12, DRBy19_11, DocMcStuffins_12, TDanisky_11, Aloeri_12
- Track 35 : Totinger_12, Slim_12, PhlipPhlop_11, Rialto_12, EmiMonkey_11, Emmaloid_12, Moonbeam_11
- Track 36 : MisterCuddles_11, Girr_11, Spoonbill_11
- Track 37 : James_11, BobaPhett_11, LastJedi_11, Mattes_11
- Track 38 : Coco12_12, LilMoolah_11
- Track 39 : Tweety_11, Topiatin_13, KristaRAM_12, Wee_11
- Track 40 : OwlsT2W_12
- Track 41 : IMpilo_11
- Track 42 : Madiba_12
- Track 43 : DillTech15_11, MilleniumForce_12, XFactor_11, ShroomBoi_11, Ardmore_11, Batiatus_11
- Track 44 : ShiLan_11
- Track 45 : VRedHorse_11, RockyHorror_12, Mantra_11
- Track 46 : Corium_11, KingJulian_11, PatoPoderoso_11
- Track 47 : Byougenkin_11
- Track 48 : Cerasum_12, Sarma624_12, Velveteen_12, BigPhil_12, Kingsley_12, Brookers_12
- Track 49 : UncleRicky_12, Drago_12
- Track 50 : Bobi_12
- Track 51 : Ovechkin_11, Ms6_11
- Track 52 : Nivrat_11, Burwell21_11, Maravista_11, Jarcob_11, SwagPiggett_11, Philus_11, Lizziana_11, Zizzle_11, ShowerHandel_11, Martik_11
- Track 53 : MilanaBonita_12, Akhila_12
- Track 54 : Eish_11
- Track 55 : Doug_11
- Track 56 : Cheesepuff_11
- Track 57 : Hegedechwinu_12
- Track 58 : DoRead_11, SuperGrey_11, Rita_11, Kenuha5_11
- Track 59 : PhesterPhotato_11
- Track 60 : Boomer_12
- Track 61 : Mwanjiwa_11
- Track 62 : ByChance_11, Cabrinians_11, FreddyB_11, Kersh_11, Priscilla_11
- Track 63 : Jant_11, Fruitloop_11, Melissauren88_11, CaptainTrips_12, QuickMath_11
- Track 64 : Awesomesauce_12, Fastidio_11, Piper2020_12
- Track 65 : Chuckly_11
- Track 66 : Job42_12
- Track 67 : Enby_12, DirtMcgirt_12, Lorde_12
- Track 68 : Ramsey_12
- Track 69 : JalFarm20_12
- Track 70 : Dorothy_11, Daenerys_11, Pacc40_11
- Track 71 : Frankie_12
- Track 72 : EleanorGeorge_11
- Track 73 : Mahavrat_11, Juniper1_11
- Track 74 : Empress_11
- Track 75 : Gandalph_11
- Track 76 : Alexphander_12, Dante_11
- Track 77 : Grimmer_12

- Track 78 : Polka14_11, Pollywog_12, Sassafras_11
- Track 79 : SassyB_11, PopTart_11
- Track 80 : Hades_11, Violac_11
- Track 81 : Seagreen_12
- Track 82 : Fancypants_11
- Track 83 : Lucia_12
- Track 84 : Florinda_11
- Track 85 : Che8_11
- Track 86 : Blexus_11
- Track 87 : KingMidas_11
- Track 88 : BuzzLyseyear_12
- Track 89 : Firehouse51_11
- Track 90 : Mova_12
- Track 91 : Yorick_11
- Track 92 : Veteran_11, GUmbie_11
- Track 93 : Whatsapiecost_11, Medindi_11, Filuzino_11
- Track 94 : Ogopogo_14
- Track 95 : Leozinho_12
- Track 96 : Girafales_12, Quico_12
- Track 97 : StAnnes_11
- Track 98 : Marker_12
- Track 99 : Inventum_11
- Track 100 : Whouxphf_11
- Track 101 : Latretium_11
- Track 102 : DLane_11
- Track 103 : Phalconet_11
- Track 104 : Phasih_11
- Track 105 : Starcevich_12
- Track 106 : Ruby_11
- Track 107 : Bipolar_11
- Track 108 : Mutaforma13_11
- Track 109 : SiSi_11
- Track 110 : Krakatau_12
- Track 111 : Cornucopia_12
- Track 112 : Squirty_12
- Track 113 : LunaStella_12, TChen_12
- Track 114 : ThetaBob_12
- Track 115 : Renaud18_12
- Track 116 : Cornie_12
- Track 117 : Toron_12
- Track 118 : MulchSalad_11, LittleShirley_12
- Track 119 : Okabe_13
- Track 120 : Brujita_13, QueenHazel_13, Island3_13
- Track 121 : PaintedDog_12, Xula_12
- Track 122 : Babsiella_13
- Track 123 : HC_13
- Track 124 : Che9c_12
- Track 125 : Sbash_12
- Track 126 : Stuck_12
- Track 127 : Bluvara_13
- Track 128 : Mori_46, YungJamal_50, Idergollasper_47, Zebo_47, Blessica_48, SchoolBus_47, Bora_44, Corndog_49, Ashwin_48, Kriili_46, Winget_48, KingPhillip3_46, Wildflower_47, Smooch_49, JangDynasty_47, MadKillah_48,

Alkhayr_47, Familton_48, Firecracker_47, NiebruSaylor_46, TelAviv_44, Shida_47, Catdawg_47, Vorrps_46, YoyoKar_45, FoulBall_47, Dylan_46, Zakhe101_47, Vagabond_47, Imara_45, Murai_47, Schuy_48

- Track 129 : Ryadel_51
- Track 130 : Wogge42_46
- Track 131 : MooMoo_11

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

The start number called the most often in the published annotations is 17, it was called in 259 of the 276 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_12, Alexphander_12, Alkhayr_47, Aloeri_12, AlpineSix_11, ArcusAngelus_11, Ardmore_11, Ashwin_48, Aubs_11, Awesomesauce_12, Batiatus_11, Beakin_12, Beanstalk_13, BigPhil_12, Bipolar_11, Blessica_48, BlueCrab_11, Bluvara_13, BobaPhett_11, Bobi_12, BodEinwohner17_11, Bora_44, Brocalys_11, Brookers_12, Brujita_13, Brushbloom_12, Bubbles123_11, Burwell21_11, BuzzLyseyear_12, ByChance_11, Byougenkin_11, Cabrinians_11, CaptainTrips_12, Catdawg_47, Cerasum_12, Che8_11, Che9c_12, CheesePuff_11, Chevrolet_11, ChickenDinner_12, Chuckly_11, Clank_11, Clifton_11, Coco12_12, Corium_11, Corndog_49, Cornucopia_12, Crumble_11, DLane_11, DRBy19_11, DaWorst_12, DaddyRickover_11, Dante_11, DeadP_11, Deb65_11, DillTech15_11, DirtMcGirt_12, DoRead_11, DocMcStuffins_12, Donkeykong_11, Doomphist_11, Doomslug_13, DosHalletts_12, DotProduct_11, Doug_11, Dylan_46, Eish_11, EleanorGeorge_11, EmiMonkey_11, Emma_11, Emmaloid_12, Enby_12, Enzomatic_12, Eradicator_11, Estave1_11, Familton_48, Fancypants_11, Fastidio_11, Filuzino_11, Firecracker_47, Firehouse51_11, Flathead_12, Florinda_11, FoulBall_47, Frankie_12, FreddyB_11, Fruitloop_11, GUmBie_11, Galactic_11, Gandolph_11, Geralt_11, GigiOuiOui_11, Girafales_12, Girr_11, Gorge_11, Grimmer_12, Guppsters_11, HC_13, Hades_11, Hamulus_11, Harley_11, Hegedechwinu_12, Hlubikazi_11, IMpilo_11, IbOuu_11, Ibhubesi_11, Idergollasper_47, Imara_45, IrishSherpFalk_11, Island3_13, JalFarm20_12, James_11, JangDynasty_47, Jant_11, Jarcob_11, Jennelsea_11, Jinglebell_11, Job42_12, JoeyJr_11, Juice456_12, Juniper1_11, Karhdo_11, Kenuha5_11, Kersh_11, Kimberlium_12, KingJulian_11, KingMidas_11, KingPhillip3_46, Kingsley_12, Koella_11, Krakatau_12, Krili_46, KristaRAM_12, LastJedi_11, Latretium_11, Leozinho_12, Leperchaun_11, LilMoolah_11, LittleShirley_12, Lizziana_11, Llama_11, Llij_11, LordVader_13, Lorde_12, Lucia_12, LunaBlu_11, LunaStella_12, MadKillah_48, MadMen_11, Madiba_12, Mahavrat_11, Mandlovu_11, Mantra_11, Maravista_11, Marker_12, Martik_11, Mattes_11, Medindi_11, Melissauren88_11, MilanaBonita_12, MilleniumForce_12, MinionDave_12, Minnie_11, Misha28_12, MisterCuddles_11, Modragons_11, MooMoo_11, Moonbeam_11, Mori_46, Mova_12, Mozy_12, Ms6_11, MulchExplorer_12, MulchSalad_11, Murai_47, Mutaforma13_11, Mwanjiwa_11, NewHope4_11, Nichirin_11, NiebruSaylor_46, Nimbo_11, Nitzel_12, Nivrat_11, NormanBulbieJr_11, Ochi17_11, OfUltron_11, Okabe_13, Oksu_12, OldBen_11, OlympiaSaint_11, Ovechkin_11, OwlsT2W_12, PHappiness_11, PMC_11, PaintedDog_12, PatoPoderoso_11, Peridot_13, Phalconet_11, Phanphagia_11, Phasih_11, Phatniss_11, PhesterPhotato_11, Philus_11, PhilipPhlop_11, Piper2020_12,

Pippy_11, Plumbus_12, Poenanya_11, Polka14_11, Pollywog_12, Polo2Bam_12, PopTart_11, Priscilla_11, QueenHazel_13, QuickMath_11, Quico_12, Radiance_11, Ramsey_12, RedBird_11, Renaud18_12, Rialto_12, Rita_11, Rockne_11, RockyHorror_12, Royals2015_11, Ryadel_51, Saal_11, Sabbb_11, Sandalphon_11, Sarma624_12, Sassafras_11, SassyB_11, Sbash_12, SchoolBus_47, Schuy_48, Scottish_11, SeaLumen_11, Seabastian_11, Seagreen_12, Shauna1_11, Shida_47, ShowerHandel_11, ShroomBoi_11, SiSi_11, SimranZ1_12, Slim_12, Smooch_49, Sparkdehlily_11, Spartacus_11, Spikelee_12, Spoonbill_11, Squirty_12, StAnnes_11, Stap_12, Strokeseat_11, Stuck_12, SuperGrey_11, SwagPigglett_11, TChen_12, TDanisky_11, Taj_11, Tchotchke_12, TelAviv_44, ThetaBob_12, TootsiePop_12, Tootsieroll_12, Topiatin_13, Toron_12, Totinger_12, Tweety_11, VRedHorse_11, Vagabond_47, Velveteen_12, Veteran_11, Violac_11, Vivum_11, Vorrps_46, Wachhund_11, Wee_11, Whatsapiecost_11, Whouxphf_11, Wildflower_47, WillSterrel_11, Winget_48, Wogge42_46, XFactor_11, Xula_12, Yorick_11, YoyoKar_45, YungJamal_50, Zakhe101_47, Zebo_47, Zerg_11, Zizzle_11,

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

- Babsiella_13, Blexus_11, Boomer_12, Cornie_12, Daenerys_11, Dorothy_11, Drago_12, Empress_11, Inventum_11, Ogopogo_14, Pacc40_11, RitaG_11, Ruby_11, SG4_11, ShiLan_11, Starcevich_12, UncleRicky_12,

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

-

Summary by start number:

Start 7:

- Found in 1 of 311 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cornie_12 (F5),

Start 8:

- Found in 10 of 311 (3.2%) of genes in pham
- Manual Annotations of this start: 3 of 276
- Called 30.0% of time when present
- Phage (with cluster) where this start called: Boomer_12 (F1), Empress_11 (F1), RitaG_11 (F1),

Start 9:

- Found in 64 of 311 (20.6%) of genes in pham
- Manual Annotations of this start: 9 of 276
- Called 14.1% of time when present
- Phage (with cluster) where this start called: Blexus_11 (F1), Daenerys_11 (F1), Dorothy_11 (F1), Drago_12 (F1), Inventum_11 (F1), Pacc40_11 (F1), ShiLan_11 (F1), Starcevich_12 (F1), UncleRicky_12 (F1),

Start 10:

- Found in 22 of 311 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 276
- Called 4.5% of time when present
- Phage (with cluster) where this start called: SG4_11 (F1),

Start 12:

- Found in 112 of 311 (36.0%) of genes in pham
- Manual Annotations of this start: 2 of 276
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Ogopogo_14 (F1), Ruby_11 (F1),

Start 14:

- Found in 6 of 311 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 276
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Babsiella_13 (I1),

Start 17:

- Found in 311 of 311 (100.0%) of genes in pham
- Manual Annotations of this start: 259 of 276
- Called 94.5% of time when present
- Phage (with cluster) where this start called: Akhila_12 (F1), Alexphander_12 (F1), Alkhayr_47 (O), Aloeri_12 (F1), AlpineSix_11 (F1), ArcusAngelus_11 (F1), Ardmore_11 (F1), Ashwin_48 (O), Aubs_11 (F1), Awesomesauce_12 (F1), Batiatus_11 (F1), Beakin_12 (F1), Beanstalk_13 (F1), BigPhil_12 (F1), Bipolar_11 (F1), Blessica_48 (O), BlueCrab_11 (F1), Bluvara_13 (I3), BobaPhett_11 (F1), Bobi_12 (F1), BodEinwohner17_11 (F1), Bora_44 (O), Brocalys_11 (F1), Brookers_12 (F1), Brujita_13 (I1), Brushbloom_12 (F1), Bubbles123_11 (F1), Burwell21_11 (F1), BuzzLyseyear_12 (F1), ByChance_11 (F1), Byougenkin_11 (F1), Cabrinians_11 (F1), CaptainTrips_12 (F1), Catdawg_47 (O), Cerasum_12 (F1), Che8_11 (F1), Che9c_12 (I2), CheesePuff_11 (F1), Chevrolet_11 (F1), ChickenDinner_12 (F1), Chuckly_11 (F1), Clank_11 (F), Clifton_11 (F1), Coco12_12 (F1), Corium_11 (F1), Corndog_49 (O), Cornucopia_12 (F1), Crumble_11 (F1), DLane_11 (F1), DRBy19_11 (F1), DaWorst_12 (F1), DaddyRickover_11 (F1), Dante_11 (F1), DeadP_11 (F1), Deb65_11 (F1), DillTech15_11 (F1), DirtMcGirt_12 (F1), DoRead_11 (F1), DocMcStuffins_12 (F1), Donkeykong_11 (F1), Doomphist_11 (F1), Doomslug_13 (F), DosHalletts_12 (F1), DotProduct_11 (F1), Doug_11 (F1), Dylan_46 (O), Eish_11 (F1), EleanorGeorge_11 (F1), EmiMonkey_11 (F1), Emma_11 (F1), Emmaloid_12 (F1), Enby_12 (F1), Enzomatic_12 (F1), Eradicator_11 (F1), Estave1_11 (F1), Familton_48 (O), Fancypants_11 (F1), Fastidio_11 (F1), Filuzino_11 (F1), Firecracker_47 (O), Firehouse51_11 (F1), Flathead_12 (F1), Florinda_11 (F1), FoulBall_47 (O), Frankie_12 (F1), FreddyB_11 (F1), Fruitloop_11 (F1), GUmbie_11 (F1), Galactic_11 (F1), Gandolph_11 (F1), Geralt_11 (F1), GigiOuiOui_11 (F1), Girafales_12 (F1), Girr_11 (F1), Gorge_11 (F1), Grimmer_12 (F1), Guppsters_11 (F1), HC_13 (I1), Hades_11 (F1), Hamulus_11 (F1), Harley_11 (F1), Hegedechnu_12 (F1), Hlubikazi_11 (F1), IMpilo_11 (F1), IbOuu_11 (F1), Ibhuesi_11 (F1), Idergollasper_47 (O), Imara_45 (O), IrishSherpFalk_11 (F1), Island3_13 (I1), JalFarm20_12 (F1), James_11 (F1), JangDynasty_47 (O), Jant_11 (F1), Jarcob_11 (F1), Jennelsea_11 (F1), Jinglebell_11 (F1), Job42_12 (F1), JoeyJr_11 (F1), Juice456_12 (F1), Juniper1_11 (F1), Karhdo_11 (F1), Kenuha5_11 (F1), Kersh_11 (F1), Kimberlium_12 (F1), KingJulian_11 (F1), KingMidas_11 (F1), KingPhillip3_46 (O), Kingsley_12 (F1), Koella_11 (F1), Krakatau_12 (F1), Krili_46 (O), KristaRAM_12 (F1), LastJedi_11 (F1), Latretium_11 (F1), Leozinho_12 (F1), Leperchaun_11 (F1), LilMoolah_11 (F1), LittleShirley_12 (F1), Lizziana_11 (F1), Llama_11 (F1), Llij_11 (F1), LordVader_13 (F), Lorde_12 (F1), Lucia_12 (F1), LunaBlu_11 (F1), LunaStella_12 (F4), MadKillah_48 (O), MadMen_11 (F1), Madiba_12 (F1), Mahavrat_11 (F1), Mandlovu_11 (F1), Mantra_11 (F1), Maravista_11 (F1), Marker_12 (F1), Martik_11 (F1), Mattes_11 (F1), Medindi_11 (F1),

Melissauren88_11 (F1), MilanaBonita_12 (F1), MilleniumForce_12 (F1), MinionDave_12 (F1), Minnie_11 (F1), Misha28_12 (F1), MisterCuddles_11 (F1), Modragons_11 (F1), MooMoo_11 (singleton), Moonbeam_11 (F1), Mori_46 (O), Mova_12 (F1), Mozy_12 (F1), Ms6_11 (F1), MulchExplorer_12 (F1), MulchSalad_11 (F7), Murai_47 (O), Mutaforma13_11 (F1), Mwanjiwa_11 (F1), NewHope4_11 (F1), Nichirin_11 (F1), NiebruSaylor_46 (O), Nimbo_11 (F1), Nitzel_12 (F1), Nivrat_11 (F1), NormanBulbieJr_11 (F1), Ochi17_11 (F1), OfUltron_11 (F1), Okabe_13 (F8), Oksu_12 (F1), OldBen_11 (F1), OlympiaSaint_11 (F1), Ovechkin_11 (F1), OwlsT2W_12 (F1), PHappiness_11 (F1), PMC_11 (F1), PaintedDog_12 (I1), PatoPoderoso_11 (F1), Peridot_13 (F1), Phalconet_11 (F1), Phanphagia_11 (F1), Phasih_11 (F1), Phatniss_11 (F1), PhesterPhotato_11 (F1), Philus_11 (F1), PhlipPhlop_11 (F1), Piper2020_12 (F1), Pippy_11 (F1), Plumbus_12 (F1), Poenanya_11 (F1), Polka14_11 (F1), Pollywog_12 (F1), Polo2Bam_12 (F1), PopTart_11 (F1), Priscilla_11 (F1), QueenHazel_13 (I1), QuickMath_11 (F1), Quico_12 (F1), Radiance_11 (F1), Ramsey_12 (F1), RedBird_11 (F1), Renaud18_12 (F4), Rialto_12 (F1), Rita_11 (F1), Rockne_11 (F1), RockyHorror_12 (F1), Royals2015_11 (F1), Ryadel_51 (O), Saal_11 (F1), Sabbb_11 (F1), Sandalphon_11 (F1), Sarma624_12 (F1), Sassafras_11 (F1), SassyB_11 (F1), Sbash_12 (I2), SchoolBus_47 (O), Schuy_48 (O), Scottish_11 (F1), SeaLumen_11 (F1), Sebastian_11 (F1), Seagreen_12 (F1), Shauna1_11 (F1), Shida_47 (O), ShowerHandel_11 (F1), ShroomBoi_11 (F1), SiSi_11 (F1), SimranZ1_12 (F1), Slim_12 (F1), Smooch_49 (O), Sparkdehlily_11 (F1), Spartacus_11 (F1), Spikelee_12 (F1), Spoonbill_11 (F1), Squirty_12 (F3), StAnnes_11 (F1), Stap_12 (F1), Strokeseat_11 (F1), Stuck_12 (I2), SuperGrey_11 (F1), SwagPiggett_11 (F1), TChen_12 (F4), TDanisky_11 (F1), Taj_11 (F1), Tchotchke_12 (F1), TelAviv_44 (O), ThetaBob_12 (F4), TootsiePop_12 (F1), Tootsieroll_12 (F1), Topiatin_13 (F1), Toron_12 (F6), Totinger_12 (F1), Tweety_11 (F1), VRedHorse_11 (F1), Vagabond_47 (O), Velveteen_12 (F1), Veteran_11 (F1), Violac_11 (F1), Vivum_11 (F1), Vorrps_46 (O), Wachhund_11 (F1), Wee_11 (F1), Whatsapiecost_11 (F1), Whouxphf_11 (F1), Wildflower_47 (O), WillSterrel_11 (F1), Winget_48 (O), Wogge42_46 (O), XFactor_11 (F1), Xula_12 (I1), Yorick_11 (F1), YoyoKar_45 (O), YungJamal_50 (O), Zakhe101_47 (O), Zebo_47 (O), Zerg_11 (F1), Zizzle_11 (F1),

Summary by clusters:

There are 13 clusters represented in this pham: F1, singleton, F3, F4, F5, F6, F7, I1, I3, F, O, F8, I2,

Info for manual annotations of cluster F1:

- Start number 8 was manually annotated 3 times for cluster F1.
- Start number 9 was manually annotated 9 times for cluster F1.
- Start number 10 was manually annotated 1 time for cluster F1.
- Start number 12 was manually annotated 2 times for cluster F1.
- Start number 17 was manually annotated 216 times for cluster F1.

Info for manual annotations of cluster F3:

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

Info for manual annotations of cluster F4:

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

Info for manual annotations of cluster F5:

- Start number 7 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster I1:

- Start number 14 was manually annotated 1 time for cluster I1.
- Start number 17 was manually annotated 5 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 17 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster O:

- Start number 17 was manually annotated 30 times for cluster O.

Gene Information:

Gene: Akhila_12 Start: 8280, Stop: 9089, Start Num: 17

Candidate Starts for Akhila_12:

(Start: 17 @8280 has 259 MA's), (18, 8292), (20, 8361), (21, 8370), (22, 8406), (23, 8430), (24, 8436), (27, 8499), (32, 8598), (34, 8613), (35, 8616), (36, 8619), (38, 8649), (40, 8670), (41, 8679), (49, 8733), (61, 8895), (65, 8967), (67, 8988), (73, 9039), (74, 9045),

Gene: Alexphander_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Alexphander_12:

(Start: 17 @7463 has 259 MA's), (18, 7475), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (52, 7943), (61, 8078), (65, 8150), (66, 8153), (67, 8171), (73, 8222), (74, 8228),

Gene: Alkhayr_47 Start: 23768, Stop: 24583, Start Num: 17

Candidate Starts for Alkhayr_47:

(Start: 17 @23768 has 259 MA's), (20, 23849), (27, 23990), (29, 24005), (34, 24104), (37, 24122), (43, 24185), (45, 24197), (47, 24212), (59, 24329), (64, 24455),

Gene: Aloeri_12 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for Aloeri_12:

(Start: 9 @7392 has 9 MA's), (Start: 12 @7407 has 2 MA's), (Start: 17 @7464 has 259 MA's), (18, 7476), (21, 7554), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (49, 7917), (52, 7944), (61, 8079), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: AlpineSix_11 Start: 7607, Stop: 8416, Start Num: 17

Candidate Starts for AlpineSix_11:

(Start: 12 @7550 has 2 MA's), (Start: 17 @7607 has 259 MA's), (18, 7619), (21, 7697), (22, 7733), (23, 7757), (24, 7763), (27, 7826), (33, 7937), (34, 7940), (35, 7943), (36, 7946), (38, 7976), (40, 7997), (41, 8006), (48, 8054), (49, 8060), (51, 8084), (61, 8222), (65, 8294), (67, 8315), (73, 8366), (74, 8372),

Gene: ArcusAngelus_11 Start: 7620, Stop: 8429, Start Num: 17

Candidate Starts for ArcusAngelus_11:

(Start: 17 @7620 has 259 MA's), (18, 7632), (20, 7701), (21, 7710), (22, 7746), (23, 7770), (24, 7776), (27, 7839), (34, 7953), (35, 7956), (38, 7989), (40, 8010), (41, 8019), (49, 8073), (52, 8100), (58, 8175), (65, 8307), (67, 8328), (73, 8379), (74, 8385),

Gene: Ardmore_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Ardmore_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Ashwin_48 Start: 23766, Stop: 24581, Start Num: 17

Candidate Starts for Ashwin_48:

(Start: 17 @23766 has 259 MA's), (20, 23847), (27, 23988), (29, 24003), (34, 24102), (37, 24120), (43, 24183), (45, 24195), (47, 24210), (59, 24327), (64, 24453),

Gene: Aubs_11 Start: 7628, Stop: 8437, Start Num: 17

Candidate Starts for Aubs_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7628 has 259 MA's), (18, 7640), (20, 7709), (21, 7718), (22, 7754), (23, 7778), (24, 7784), (27, 7847), (34, 7961), (35, 7964), (38, 7997), (40, 8018), (41, 8027), (49, 8081), (52, 8108), (58, 8183), (65, 8315), (67, 8336), (73, 8387), (74, 8393),

Gene: Awesomesauce_12 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for Awesomesauce_12:

(Start: 9 @7392 has 9 MA's), (Start: 12 @7407 has 2 MA's), (Start: 17 @7464 has 259 MA's), (18, 7476), (21, 7554), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (48, 7911), (49, 7917), (52, 7944), (61, 8079), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: Babsiella_13 Start: 8812, Stop: 9663, Start Num: 14

Candidate Starts for Babsiella_13:

(Start: 14 @8812 has 1 MA's), (Start: 17 @8863 has 259 MA's), (21, 8959), (24, 9022), (29, 9100), (34, 9199), (38, 9235), (62, 9511), (67, 9571), (68, 9577),

Gene: Batiatus_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Batiatus_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Beakin_12 Start: 7465, Stop: 8274, Start Num: 17

Candidate Starts for Beakin_12:

(Start: 12 @7408 has 2 MA's), (Start: 17 @7465 has 259 MA's), (18, 7477), (21, 7555), (22, 7591), (23, 7615), (24, 7621), (27, 7684), (34, 7798), (35, 7801), (36, 7804), (38, 7834), (40, 7855), (41, 7864), (48, 7912), (49, 7918), (52, 7945), (61, 8080), (65, 8152), (67, 8173), (73, 8224), (74, 8230),

Gene: Beanstalk_13 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Beanstalk_13:

(Start: 8 @7385 has 3 MA's), (Start: 9 @7388 has 9 MA's), (Start: 12 @7403 has 2 MA's), (Start: 17 @7460 has 259 MA's), (18, 7472), (21, 7550), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (48, 7907), (49, 7913), (52, 7940), (61, 8075), (65, 8147), (67, 8168), (73, 8219), (74, 8225),

Gene: BigPhil_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for BigPhil_12:

(13, 7403), (Start: 17 @7460 has 259 MA's), (18, 7472), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (61, 8075), (67, 8168), (73, 8219), (74, 8225),

Gene: Bipolar_11 Start: 7599, Stop: 8408, Start Num: 17

Candidate Starts for Bipolar_11:

(Start: 17 @7599 has 259 MA's), (18, 7611), (20, 7680), (22, 7725), (23, 7749), (24, 7755), (27, 7818), (33, 7929), (34, 7932), (35, 7935), (36, 7938), (38, 7968), (40, 7989), (41, 7998), (49, 8052), (52, 8079), (53, 8085), (61, 8214), (65, 8286), (67, 8307), (73, 8358), (74, 8364),

Gene: Blessica_48 Start: 24169, Stop: 24984, Start Num: 17

Candidate Starts for Blessica_48:

(Start: 17 @24169 has 259 MA's), (20, 24250), (27, 24391), (29, 24406), (34, 24505), (37, 24523), (43, 24586), (45, 24598), (47, 24613), (59, 24730), (64, 24856),

Gene: Blexus_11 Start: 7553, Stop: 8434, Start Num: 9

Candidate Starts for Blexus_11:

(Start: 9 @7553 has 9 MA's), (Start: 12 @7568 has 2 MA's), (Start: 17 @7625 has 259 MA's), (18, 7637), (22, 7751), (23, 7775), (24, 7781), (27, 7844), (34, 7958), (35, 7961), (36, 7964), (38, 7994), (40, 8015), (41, 8024), (49, 8078), (52, 8105), (61, 8240), (67, 8333), (73, 8384), (74, 8390),

Gene: BlueCrab_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for BlueCrab_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Bluvara_13 Start: 8862, Stop: 9662, Start Num: 17

Candidate Starts for Bluvara_13:

(Start: 14 @8811 has 1 MA's), (Start: 17 @8862 has 259 MA's), (21, 8958), (24, 9021), (29, 9099), (34, 9198), (38, 9234), (50, 9330), (62, 9510), (67, 9570), (68, 9576),

Gene: BobaPhett_11 Start: 7601, Stop: 8410, Start Num: 17

Candidate Starts for BobaPhett_11:

(Start: 12 @7544 has 2 MA's), (Start: 17 @7601 has 259 MA's), (18, 7613), (21, 7691), (22, 7727), (23, 7751), (24, 7757), (27, 7820), (34, 7934), (35, 7937), (36, 7940), (38, 7970), (40, 7991), (41, 8000), (48, 8048), (49, 8054), (51, 8078), (61, 8216), (65, 8288), (67, 8309), (72, 8342), (73, 8360), (74, 8366),

Gene: Bobi_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Bobi_12:

(11, 7403), (Start: 17 @7460 has 259 MA's), (18, 7472), (21, 7550), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (61, 8075), (65, 8147), (67, 8168), (73, 8219), (74, 8225),

Gene: BodEinwohner17_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for BodEinwohner17_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Boomer_12 Start: 7386, Stop: 8270, Start Num: 8

Candidate Starts for Boomer_12:

(Start: 8 @7386 has 3 MA's), (Start: 9 @7389 has 9 MA's), (Start: 12 @7404 has 2 MA's), (Start: 17 @7461 has 259 MA's), (18, 7473), (21, 7551), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (48, 7908), (49, 7914), (52, 7941), (61, 8076), (65, 8148), (67, 8169), (73, 8220), (74, 8226),

Gene: Bora_44 Start: 23219, Stop: 24034, Start Num: 17

Candidate Starts for Bora_44:

(Start: 17 @23219 has 259 MA's), (20, 23300), (27, 23441), (29, 23456), (34, 23555), (37, 23573), (43, 23636), (45, 23648), (47, 23663), (59, 23780), (64, 23906),

Gene: Brocalys_11 Start: 7598, Stop: 8407, Start Num: 17

Candidate Starts for Brocalys_11:

(Start: 17 @7598 has 259 MA's), (18, 7610), (21, 7688), (22, 7724), (23, 7748), (24, 7754), (27, 7817), (34, 7931), (35, 7934), (36, 7937), (38, 7967), (40, 7988), (41, 7997), (49, 8051), (61, 8213), (67, 8306), (73, 8357), (74, 8363),

Gene: Brookers_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Brookers_12:

(13, 7403), (Start: 17 @7460 has 259 MA's), (18, 7472), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (61, 8075), (67, 8168), (73, 8219), (74, 8225),

Gene: Brujita_13 Start: 8865, Stop: 9665, Start Num: 17

Candidate Starts for Brujita_13:

(15, 8820), (Start: 17 @8865 has 259 MA's), (21, 8961), (24, 9024), (29, 9102), (34, 9201), (38, 9237), (62, 9513), (67, 9573), (68, 9579),

Gene: Brushbloom_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Brushbloom_12:

(13, 7406), (Start: 17 @7463 has 259 MA's), (18, 7475), (20, 7544), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (33, 7793), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (72, 8204), (73, 8222), (74, 8228),

Gene: Bubbles123_11 Start: 7629, Stop: 8438, Start Num: 17

Candidate Starts for Bubbles123_11:

(Start: 12 @7572 has 2 MA's), (Start: 17 @7629 has 259 MA's), (18, 7641), (21, 7719), (22, 7755), (23, 7779), (24, 7785), (27, 7848), (33, 7959), (34, 7962), (35, 7965), (36, 7968), (38, 7998), (40, 8019), (41, 8028), (48, 8076), (49, 8082), (52, 8109), (57, 8178), (61, 8244), (65, 8316), (67, 8337), (73, 8388), (74, 8394),

Gene: Burwell21_11 Start: 7608, Stop: 8417, Start Num: 17

Candidate Starts for Burwell21_11:

(Start: 9 @7536 has 9 MA's), (11, 7551), (Start: 17 @7608 has 259 MA's), (18, 7620), (21, 7698), (22, 7734), (23, 7758), (24, 7764), (27, 7827), (34, 7941), (35, 7944), (36, 7947), (38, 7977), (40, 7998), (41, 8007), (48, 8055), (49, 8061), (51, 8085), (61, 8223), (65, 8295), (67, 8316), (72, 8349), (73, 8367), (74, 8373),

Gene: BuzzLyseyear_12 Start: 7459, Stop: 8268, Start Num: 17

Candidate Starts for BuzzLyseyear_12:

(Start: 12 @7402 has 2 MA's), (Start: 17 @7459 has 259 MA's), (18, 7471), (21, 7549), (22, 7585), (23, 7609), (24, 7615), (27, 7678), (34, 7792), (35, 7795), (36, 7798), (38, 7828), (40, 7849), (41, 7858), (49,

7912), (61, 8074), (65, 8146), (67, 8167), (73, 8218), (74, 8224),

Gene: ByChance_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for ByChance_11:

(Start: 17 @7611 has 259 MA's), (18, 7623), (21, 7701), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (49, 8064), (52, 8091), (61, 8226), (65, 8298), (67, 8319), (72, 8352), (73, 8370), (74, 8376),

Gene: Byougenkin_11 Start: 7602, Stop: 8411, Start Num: 17

Candidate Starts for Byougenkin_11:

(Start: 17 @7602 has 259 MA's), (18, 7614), (21, 7692), (22, 7728), (23, 7752), (24, 7758), (27, 7821), (33, 7932), (34, 7935), (35, 7938), (36, 7941), (38, 7971), (40, 7992), (41, 8001), (49, 8055), (65, 8289), (67, 8310), (73, 8361), (74, 8367),

Gene: Cabrinians_11 Start: 7601, Stop: 8410, Start Num: 17

Candidate Starts for Cabrinians_11:

(Start: 17 @7601 has 259 MA's), (18, 7613), (21, 7691), (22, 7727), (23, 7751), (24, 7757), (27, 7820), (34, 7934), (35, 7937), (36, 7940), (38, 7970), (40, 7991), (41, 8000), (49, 8054), (52, 8081), (61, 8216), (65, 8288), (67, 8309), (72, 8342), (73, 8360), (74, 8366),

Gene: CaptainTrips_12 Start: 8279, Stop: 9088, Start Num: 17

Candidate Starts for CaptainTrips_12:

(Start: 10 @8207 has 1 MA's), (Start: 17 @8279 has 259 MA's), (18, 8291), (20, 8360), (21, 8369), (22, 8405), (23, 8429), (24, 8435), (27, 8498), (33, 8609), (34, 8612), (35, 8615), (38, 8648), (40, 8669), (41, 8678), (49, 8732), (61, 8894), (65, 8966), (67, 8987), (73, 9038), (74, 9044),

Gene: Catdawg_47 Start: 23858, Stop: 24673, Start Num: 17

Candidate Starts for Catdawg_47:

(Start: 17 @23858 has 259 MA's), (20, 23939), (27, 24080), (29, 24095), (34, 24194), (37, 24212), (43, 24275), (45, 24287), (47, 24302), (59, 24419), (64, 24545),

Gene: Cerasum_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Cerasum_12:

(13, 7403), (Start: 17 @7460 has 259 MA's), (18, 7472), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (61, 8075), (67, 8168), (73, 8219), (74, 8225),

Gene: Che8_11 Start: 7613, Stop: 8422, Start Num: 17

Candidate Starts for Che8_11:

(Start: 12 @7556 has 2 MA's), (Start: 17 @7613 has 259 MA's), (18, 7625), (21, 7703), (22, 7739), (23, 7763), (24, 7769), (27, 7832), (34, 7946), (35, 7949), (36, 7952), (38, 7982), (40, 8003), (41, 8012), (49, 8066), (52, 8093), (57, 8162), (61, 8228), (65, 8300), (67, 8321), (73, 8372), (74, 8378),

Gene: Che9c_12 Start: 8479, Stop: 9276, Start Num: 17

Candidate Starts for Che9c_12:

(Start: 14 @8431 has 1 MA's), (Start: 17 @8479 has 259 MA's), (21, 8575), (28, 8710), (34, 8815), (52, 8962), (60, 9076), (67, 9184), (68, 9190),

Gene: Cheesepuff_11 Start: 7612, Stop: 8421, Start Num: 17

Candidate Starts for Cheesepuff_11:

(Start: 17 @7612 has 259 MA's), (18, 7624), (21, 7702), (22, 7738), (23, 7762), (24, 7768), (27, 7831), (34, 7945), (35, 7948), (36, 7951), (38, 7981), (40, 8002), (41, 8011), (49, 8065), (52, 8092), (61, 8227), (65, 8299), (67, 8320), (73, 8371), (74, 8377),

Gene: Chevrolet_11 Start: 7620, Stop: 8429, Start Num: 17

Candidate Starts for Chevrolet_11:

(Start: 17 @7620 has 259 MA's), (18, 7632), (20, 7701), (21, 7710), (22, 7746), (23, 7770), (24, 7776), (27, 7839), (34, 7953), (35, 7956), (38, 7989), (40, 8010), (41, 8019), (49, 8073), (52, 8100), (58, 8175), (65, 8307), (67, 8328), (73, 8379), (74, 8385),

Gene: ChickenDinner_12 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for ChickenDinner_12:

(Start: 9 @7392 has 9 MA's), (Start: 12 @7407 has 2 MA's), (Start: 17 @7464 has 259 MA's), (18, 7476), (21, 7554), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (49, 7917), (52, 7944), (61, 8079), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: Chuckly_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Chuckly_11:

(Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (72, 8372), (73, 8390), (74, 8396),

Gene: Clank_11 Start: 7599, Stop: 8408, Start Num: 17

Candidate Starts for Clank_11:

(Start: 17 @7599 has 259 MA's), (18, 7611), (20, 7680), (22, 7725), (23, 7749), (24, 7755), (27, 7818), (34, 7932), (35, 7935), (38, 7968), (40, 7989), (41, 7998), (49, 8052), (52, 8079), (53, 8085), (65, 8286), (67, 8307), (73, 8358), (74, 8364),

Gene: Clifton_11 Start: 7597, Stop: 8406, Start Num: 17

Candidate Starts for Clifton_11:

(Start: 17 @7597 has 259 MA's), (18, 7609), (21, 7687), (22, 7723), (23, 7747), (24, 7753), (27, 7816), (34, 7930), (35, 7933), (36, 7936), (38, 7966), (40, 7987), (41, 7996), (49, 8050), (52, 8077), (61, 8212), (67, 8305), (73, 8356), (74, 8362),

Gene: Coco12_12 Start: 7462, Stop: 8271, Start Num: 17

Candidate Starts for Coco12_12:

(Start: 17 @7462 has 259 MA's), (18, 7474), (21, 7552), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (48, 7909), (49, 7915), (61, 8077), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: Corium_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for Corium_11:

(Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (23, 7782), (24, 7788), (27, 7851), (34, 7965), (35, 7968), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: Corndog_49 Start: 24316, Stop: 25131, Start Num: 17

Candidate Starts for Corndog_49:

(Start: 17 @24316 has 259 MA's), (20, 24397), (27, 24538), (29, 24553), (34, 24652), (37, 24670), (43, 24733), (45, 24745), (47, 24760), (59, 24877), (64, 25003),

Gene: Cornie_12 Start: 7811, Stop: 8707, Start Num: 7

Candidate Starts for Cornie_12:

(Start: 7 @7811 has 1 MA's), (Start: 17 @7898 has 259 MA's), (22, 8024), (24, 8054), (25, 8087), (26, 8099), (28, 8126), (34, 8231), (44, 8321), (61, 8513), (65, 8585), (67, 8606),

Gene: Cornucopia_12 Start: 7481, Stop: 8290, Start Num: 17

Candidate Starts for Cornucopia_12:

(Start: 17 @7481 has 259 MA's), (18, 7493), (20, 7562), (21, 7571), (22, 7607), (23, 7631), (24, 7637), (27, 7700), (33, 7811), (34, 7814), (35, 7817), (36, 7820), (38, 7850), (40, 7871), (41, 7880), (48, 7928), (49, 7934), (52, 7961), (57, 8030), (61, 8096), (65, 8168), (67, 8189), (73, 8240), (74, 8246),

Gene: Crumble_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for Crumble_11:

(Start: 17 @7611 has 259 MA's), (18, 7623), (21, 7701), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (49, 8064), (52, 8091), (65, 8298), (67, 8319), (73, 8370), (74, 8376),

Gene: DLane_11 Start: 7630, Stop: 8439, Start Num: 17

Candidate Starts for DLane_11:

(1, 7432), (2, 7453), (3, 7456), (16, 7591), (Start: 17 @7630 has 259 MA's), (18, 7642), (20, 7711), (21, 7720), (22, 7756), (23, 7780), (24, 7786), (27, 7849), (32, 7948), (34, 7963), (35, 7966), (38, 7999), (40, 8020), (41, 8029), (49, 8083), (61, 8245), (65, 8317), (67, 8338), (73, 8389), (74, 8395),

Gene: DRBy19_11 Start: 7624, Stop: 8433, Start Num: 17

Candidate Starts for DRBy19_11:

(Start: 9 @7552 has 9 MA's), (Start: 12 @7567 has 2 MA's), (Start: 17 @7624 has 259 MA's), (18, 7636), (21, 7714), (22, 7750), (23, 7774), (24, 7780), (27, 7843), (34, 7957), (35, 7960), (36, 7963), (38, 7993), (40, 8014), (41, 8023), (49, 8077), (52, 8104), (61, 8239), (65, 8311), (67, 8332), (73, 8383), (74, 8389),

Gene: DaWorst_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for DaWorst_12:

(Start: 12 @7406 has 2 MA's), (Start: 17 @7463 has 259 MA's), (18, 7475), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: DaddyRickover_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for DaddyRickover_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Daenerys_11 Start: 7537, Stop: 8418, Start Num: 9

Candidate Starts for Daenerys_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Dante_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for Dante_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (52, 8106), (61, 8241), (65, 8313), (66, 8316), (67, 8334), (73, 8385), (74, 8391),

Gene: DeadP_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for DeadP_11:

(Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Deb65_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Deb65_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: DillTech15_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for DillTech15_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: DirtMcgirt_12 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for DirtMcgirt_12:

(Start: 9 @7392 has 9 MA's), (Start: 12 @7407 has 2 MA's), (Start: 17 @7464 has 259 MA's), (18, 7476), (20, 7545), (21, 7554), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (33, 7794), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (49, 7917), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: DoRead_11 Start: 7588, Stop: 8397, Start Num: 17

Candidate Starts for DoRead_11:

(Start: 17 @7588 has 259 MA's), (18, 7600), (20, 7669), (22, 7714), (23, 7738), (24, 7744), (27, 7807), (34, 7921), (35, 7924), (38, 7957), (40, 7978), (41, 7987), (49, 8041), (52, 8068), (53, 8074), (61, 8203), (65, 8275), (67, 8296), (73, 8347), (74, 8353),

Gene: DocMcStuffins_12 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for DocMcStuffins_12:

(Start: 9 @7392 has 9 MA's), (Start: 12 @7407 has 2 MA's), (Start: 17 @7464 has 259 MA's), (18, 7476), (21, 7554), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (49, 7917), (52, 7944), (61, 8079), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: Donkeykong_11 Start: 7627, Stop: 8436, Start Num: 17

Candidate Starts for Donkeykong_11:

(Start: 12 @7570 has 2 MA's), (Start: 17 @7627 has 259 MA's), (18, 7639), (21, 7717), (22, 7753), (23, 7777), (24, 7783), (27, 7846), (34, 7960), (35, 7963), (36, 7966), (38, 7996), (40, 8017), (41, 8026), (48, 8074), (49, 8080), (52, 8107), (61, 8242), (65, 8314), (67, 8335), (72, 8368), (73, 8386), (74, 8392),

Gene: Doomphist_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Doomphist_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Doomslug_13 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for Doomslug_13:

(13, 7407), (Start: 17 @7464 has 259 MA's), (18, 7476), (20, 7545), (21, 7554), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (33, 7794), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (49, 7917), (61, 8079), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: Dorothy_11 Start: 7537, Stop: 8418, Start Num: 9

Candidate Starts for Dorothy_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: DosHalletts_12 Start: 7461, Stop: 8270, Start Num: 17

Candidate Starts for DosHalletts_12:

(Start: 8 @7386 has 3 MA's), (Start: 9 @7389 has 9 MA's), (Start: 12 @7404 has 2 MA's), (Start: 17 @7461 has 259 MA's), (18, 7473), (21, 7551), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (48, 7908), (49, 7914), (52, 7941), (61, 8076), (65, 8148), (67, 8169), (73, 8220), (74, 8226),

Gene: DotProduct_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for DotProduct_11:

(Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (22, 7758), (23, 7782), (24, 7788), (27, 7851), (33, 7962), (34, 7965), (35, 7968), (36, 7971), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: Doug_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for Doug_11:

(Start: 8 @7536 has 3 MA's), (Start: 9 @7539 has 9 MA's), (Start: 12 @7554 has 2 MA's), (Start: 17 @7611 has 259 MA's), (18, 7623), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (48, 8058), (49, 8064), (52, 8091), (61, 8226), (65, 8298), (67, 8319), (72, 8352), (73, 8370), (74, 8376),

Gene: Drago_12 Start: 7390, Stop: 8271, Start Num: 9

Candidate Starts for Drago_12:

(Start: 9 @7390 has 9 MA's), (Start: 12 @7405 has 2 MA's), (Start: 17 @7462 has 259 MA's), (18, 7474), (20, 7543), (21, 7552), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (33, 7792), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (49, 7915), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: Dylan_46 Start: 23571, Stop: 24386, Start Num: 17

Candidate Starts for Dylan_46:

(Start: 17 @23571 has 259 MA's), (20, 23652), (27, 23793), (29, 23808), (34, 23907), (37, 23925), (43, 23988), (45, 24000), (47, 24015), (59, 24132), (64, 24258),

Gene: Eish_11 Start: 7600, Stop: 8409, Start Num: 17

Candidate Starts for Eish_11:

(Start: 12 @7543 has 2 MA's), (Start: 17 @7600 has 259 MA's), (18, 7612), (22, 7726), (23, 7750), (24, 7756), (27, 7819), (33, 7930), (34, 7933), (35, 7936), (36, 7939), (38, 7969), (40, 7990), (41, 7999), (48, 8047), (49, 8053), (61, 8215), (65, 8287), (67, 8308), (73, 8359), (74, 8365),

Gene: EleanorGeorge_11 Start: 7633, Stop: 8442, Start Num: 17

Candidate Starts for EleanorGeorge_11:

(Start: 17 @7633 has 259 MA's), (18, 7645), (20, 7714), (21, 7723), (22, 7759), (23, 7783), (24, 7789), (27, 7852), (34, 7966), (35, 7969), (38, 8002), (40, 8023), (41, 8032), (49, 8086), (61, 8248), (65, 8320),

(67, 8341), (73, 8392), (74, 8398),

Gene: EmiMonkey_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for EmiMonkey_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (33, 7956), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (61, 8241), (65, 8313), (67, 8334), (73, 8385), (74, 8391),

Gene: Emma_11 Start: 7630, Stop: 8439, Start Num: 17

Candidate Starts for Emma_11:

(11, 7570), (Start: 17 @7630 has 259 MA's), (18, 7642), (20, 7711), (21, 7720), (22, 7756), (23, 7780), (24, 7786), (27, 7849), (33, 7960), (34, 7963), (35, 7966), (36, 7969), (38, 7999), (40, 8020), (41, 8029), (49, 8083), (61, 8245), (65, 8317), (67, 8338), (73, 8389), (74, 8395),

Gene: Emmaloid_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Emmaloid_12:

(Start: 17 @7463 has 259 MA's), (18, 7475), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (33, 7793), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Empress_11 Start: 7533, Stop: 8417, Start Num: 8

Candidate Starts for Empress_11:

(Start: 8 @7533 has 3 MA's), (Start: 9 @7536 has 9 MA's), (Start: 12 @7551 has 2 MA's), (Start: 17 @7608 has 259 MA's), (18, 7620), (21, 7698), (22, 7734), (23, 7758), (24, 7764), (27, 7827), (33, 7938), (34, 7941), (35, 7944), (36, 7947), (38, 7977), (40, 7998), (41, 8007), (49, 8061), (65, 8295), (67, 8316), (73, 8367), (74, 8373),

Gene: Enby_12 Start: 7462, Stop: 8271, Start Num: 17

Candidate Starts for Enby_12:

(Start: 9 @7390 has 9 MA's), (Start: 12 @7405 has 2 MA's), (Start: 17 @7462 has 259 MA's), (18, 7474), (20, 7543), (21, 7552), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (33, 7792), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (49, 7915), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: Enzomatic_12 Start: 7606, Stop: 8415, Start Num: 17

Candidate Starts for Enzomatic_12:

(Start: 17 @7606 has 259 MA's), (18, 7618), (20, 7687), (21, 7696), (22, 7732), (23, 7756), (24, 7762), (27, 7825), (33, 7936), (34, 7939), (35, 7942), (36, 7945), (38, 7975), (40, 7996), (41, 8005), (49, 8059), (65, 8293), (67, 8314), (73, 8365), (74, 8371),

Gene: Eradicator_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for Eradicator_11:

(Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (49, 8063), (52, 8090), (61, 8225), (67, 8318), (73, 8369), (74, 8375),

Gene: Estave1_11 Start: 7612, Stop: 8421, Start Num: 17

Candidate Starts for Estave1_11:

(Start: 12 @7555 has 2 MA's), (Start: 17 @7612 has 259 MA's), (18, 7624), (21, 7702), (22, 7738), (23, 7762), (24, 7768), (27, 7831), (34, 7945), (35, 7948), (36, 7951), (38, 7981), (40, 8002), (41, 8011), (48, 8059), (49, 8065), (52, 8092), (61, 8227), (65, 8299), (67, 8320), (73, 8371), (74, 8377),

Gene: Familton_48 Start: 23862, Stop: 24677, Start Num: 17

Candidate Starts for Familton_48:

(Start: 17 @23862 has 259 MA's), (20, 23943), (27, 24084), (29, 24099), (34, 24198), (37, 24216), (43, 24279), (45, 24291), (47, 24306), (59, 24423), (64, 24549),

Gene: Fancypants_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for Fancypants_11:

(Start: 17 @7611 has 259 MA's), (18, 7623), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (49, 8064), (61, 8226), (65, 8298), (67, 8319), (72, 8352), (73, 8370), (74, 8376),

Gene: Fastidio_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for Fastidio_11:

(Start: 9 @7539 has 9 MA's), (Start: 12 @7554 has 2 MA's), (Start: 17 @7611 has 259 MA's), (18, 7623), (21, 7701), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (48, 8058), (49, 8064), (52, 8091), (61, 8226), (65, 8298), (67, 8319), (73, 8370), (74, 8376),

Gene: Filuzino_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for Filuzino_11:

(Start: 10 @7560 has 1 MA's), (Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (22, 7758), (23, 7782), (24, 7788), (27, 7851), (32, 7950), (34, 7965), (35, 7968), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (61, 8247), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: Firecracker_47 Start: 23469, Stop: 24284, Start Num: 17

Candidate Starts for Firecracker_47:

(Start: 17 @23469 has 259 MA's), (20, 23550), (27, 23691), (29, 23706), (34, 23805), (37, 23823), (43, 23886), (45, 23898), (47, 23913), (59, 24030), (64, 24156),

Gene: Firehouse51_11 Start: 7629, Stop: 8438, Start Num: 17

Candidate Starts for Firehouse51_11:

(1, 7431), (2, 7452), (3, 7455), (16, 7590), (Start: 17 @7629 has 259 MA's), (18, 7641), (20, 7710), (21, 7719), (22, 7755), (23, 7779), (24, 7785), (27, 7848), (33, 7959), (34, 7962), (35, 7965), (38, 7998), (40, 8019), (41, 8028), (49, 8082), (61, 8244), (65, 8316), (67, 8337), (73, 8388), (74, 8394),

Gene: Flathead_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Flathead_12:

(13, 7406), (Start: 17 @7463 has 259 MA's), (18, 7475), (20, 7544), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (33, 7793), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Florinda_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Florinda_11:

(Start: 12 @7574 has 2 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (72, 8372), (73, 8390), (74, 8396),

Gene: FoulBall_47 Start: 23856, Stop: 24671, Start Num: 17

Candidate Starts for FoulBall_47:

(Start: 17 @23856 has 259 MA's), (20, 23937), (27, 24078), (29, 24093), (34, 24192), (37, 24210), (43, 24273), (45, 24285), (47, 24300), (59, 24417), (64, 24543),

Gene: Frankie_12 Start: 7653, Stop: 8462, Start Num: 17

Candidate Starts for Frankie_12:

(Start: 12 @7596 has 2 MA's), (Start: 17 @7653 has 259 MA's), (18, 7665), (21, 7743), (22, 7779), (23, 7803), (24, 7809), (27, 7872), (34, 7986), (35, 7989), (36, 7992), (38, 8022), (40, 8043), (41, 8052), (48, 8100), (49, 8106), (52, 8133), (61, 8268), (65, 8340), (67, 8361), (73, 8412), (74, 8418),

Gene: FreddyB_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for FreddyB_11:

(Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (49, 8063), (52, 8090), (61, 8225), (65, 8297), (67, 8318), (72, 8351), (73, 8369), (74, 8375),

Gene: Fruitloop_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for Fruitloop_11:

(Start: 10 @7560 has 1 MA's), (Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (22, 7758), (23, 7782), (24, 7788), (27, 7851), (33, 7962), (34, 7965), (35, 7968), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (61, 8247), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: GUmbie_11 Start: 7625, Stop: 8434, Start Num: 17

Candidate Starts for GUmbie_11:

(4, 7517), (11, 7568), (Start: 17 @7625 has 259 MA's), (18, 7637), (20, 7706), (22, 7751), (23, 7775), (24, 7781), (27, 7844), (34, 7958), (35, 7961), (36, 7964), (38, 7994), (40, 8015), (41, 8024), (49, 8078), (61, 8240), (65, 8312), (67, 8333), (73, 8384), (74, 8390),

Gene: Galactic_11 Start: 7606, Stop: 8415, Start Num: 17

Candidate Starts for Galactic_11:

(Start: 17 @7606 has 259 MA's), (18, 7618), (20, 7687), (21, 7696), (22, 7732), (23, 7756), (24, 7762), (27, 7825), (33, 7936), (34, 7939), (35, 7942), (36, 7945), (38, 7975), (40, 7996), (41, 8005), (49, 8059), (65, 8293), (67, 8314), (73, 8365), (74, 8371),

Gene: Gandalph_11 Start: 7627, Stop: 8436, Start Num: 17

Candidate Starts for Gandalph_11:

(Start: 17 @7627 has 259 MA's), (18, 7639), (21, 7717), (23, 7777), (24, 7783), (27, 7846), (33, 7957), (34, 7960), (35, 7963), (36, 7966), (38, 7996), (40, 8017), (41, 8026), (49, 8080), (61, 8242), (65, 8314), (67, 8335), (73, 8386), (74, 8392),

Gene: Geralt_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Geralt_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: GigiOuiOui_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for GigiOuiOui_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (61, 8241), (67, 8334), (73, 8385), (74, 8391),

Gene: Girafales_12 Start: 7458, Stop: 8267, Start Num: 17

Candidate Starts for Girafales_12:

(Start: 17 @7458 has 259 MA's), (18, 7470), (21, 7548), (22, 7584), (23, 7608), (24, 7614), (27, 7677), (34, 7791), (35, 7794), (36, 7797), (38, 7827), (40, 7848), (41, 7857), (49, 7911), (51, 7935), (61, 8073), (65, 8145), (67, 8166), (73, 8217), (74, 8223),

Gene: Girr_11 Start: 7614, Stop: 8423, Start Num: 17

Candidate Starts for Girr_11:

(Start: 12 @7557 has 2 MA's), (Start: 17 @7614 has 259 MA's), (18, 7626), (21, 7704), (22, 7740), (23, 7764), (24, 7770), (27, 7833), (34, 7947), (35, 7950), (36, 7953), (38, 7983), (40, 8004), (41, 8013), (49, 8067), (51, 8091), (52, 8094), (61, 8229), (65, 8301), (67, 8322), (72, 8355), (73, 8373), (74, 8379),

Gene: Gorge_11 Start: 7598, Stop: 8407, Start Num: 17

Candidate Starts for Gorge_11:

(Start: 17 @7598 has 259 MA's), (18, 7610), (21, 7688), (22, 7724), (23, 7748), (24, 7754), (27, 7817), (34, 7931), (35, 7934), (36, 7937), (38, 7967), (40, 7988), (41, 7997), (49, 8051), (61, 8213), (67, 8306), (73, 8357), (74, 8363),

Gene: Grimmer_12 Start: 8262, Stop: 9071, Start Num: 17

Candidate Starts for Grimmer_12:

(11, 8205), (Start: 17 @8262 has 259 MA's), (18, 8274), (22, 8388), (23, 8412), (24, 8418), (27, 8481), (34, 8595), (35, 8598), (36, 8601), (38, 8631), (40, 8652), (41, 8661), (48, 8709), (49, 8715), (51, 8739), (61, 8877), (65, 8949), (67, 8970), (73, 9021), (74, 9027),

Gene: Guppsters_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Guppsters_11:

(Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: HC_13 Start: 8865, Stop: 9665, Start Num: 17

Candidate Starts for HC_13:

(15, 8820), (Start: 17 @8865 has 259 MA's), (21, 8961), (24, 9024), (29, 9102), (34, 9201), (38, 9237), (62, 9513), (67, 9573), (68, 9579),

Gene: Hades_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for Hades_11:

(Start: 12 @7554 has 2 MA's), (Start: 17 @7611 has 259 MA's), (18, 7623), (21, 7701), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (49, 8064), (52, 8091), (61, 8226), (65, 8298), (67, 8319), (72, 8352), (73, 8370), (74, 8376),

Gene: Hamulus_11 Start: 7635, Stop: 8444, Start Num: 17

Candidate Starts for Hamulus_11:

(Start: 17 @7635 has 259 MA's), (18, 7647), (20, 7716), (21, 7725), (22, 7761), (23, 7785), (24, 7791), (27, 7854), (33, 7965), (34, 7968), (35, 7971), (36, 7974), (38, 8004), (40, 8025), (41, 8034), (49, 8088), (61, 8250), (65, 8322), (67, 8343), (73, 8394), (74, 8400),

Gene: Harley_11 Start: 7600, Stop: 8409, Start Num: 17

Candidate Starts for Harley_11:

(Start: 12 @7543 has 2 MA's), (Start: 17 @7600 has 259 MA's), (18, 7612), (22, 7726), (23, 7750), (24, 7756), (27, 7819), (34, 7933), (35, 7936), (36, 7939), (38, 7969), (40, 7990), (41, 7999), (49, 8053), (61, 8215), (65, 8287), (67, 8308), (72, 8341), (73, 8359), (74, 8365),

Gene: Hegedechwinu_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Hegedechwinu_12:

(13, 7406), (Start: 17 @7463 has 259 MA's), (18, 7475), (20, 7544), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (33, 7793), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (72, 8204), (73, 8222), (74, 8228),

Gene: Hlubikazi_11 Start: 7599, Stop: 8408, Start Num: 17

Candidate Starts for Hlubikazi_11:

(Start: 12 @7542 has 2 MA's), (Start: 17 @7599 has 259 MA's), (18, 7611), (21, 7689), (22, 7725), (23, 7749), (24, 7755), (27, 7818), (33, 7929), (34, 7932), (35, 7935), (36, 7938), (38, 7968), (40, 7989), (41, 7998), (48, 8046), (49, 8052), (51, 8076), (52, 8079), (61, 8214), (65, 8286), (67, 8307), (72, 8340), (73, 8358), (74, 8364),

Gene: lMpilo_11 Start: 7620, Stop: 8429, Start Num: 17

Candidate Starts for lMpilo_11:

(1, 7419), (2, 7440), (3, 7443), (16, 7578), (Start: 17 @7620 has 259 MA's), (18, 7632), (20, 7701), (21, 7710), (22, 7746), (23, 7770), (24, 7776), (27, 7839), (34, 7953), (35, 7956), (38, 7989), (40, 8010), (41, 8019), (49, 8073), (65, 8307), (67, 8328), (73, 8379), (74, 8385),

Gene: lbOuu_11 Start: 7608, Stop: 8417, Start Num: 17

Candidate Starts for lbOuu_11:

(Start: 9 @7536 has 9 MA's), (Start: 12 @7551 has 2 MA's), (Start: 17 @7608 has 259 MA's), (18, 7620), (22, 7734), (23, 7758), (24, 7764), (27, 7827), (34, 7941), (35, 7944), (36, 7947), (38, 7977), (40, 7998), (41, 8007), (48, 8055), (49, 8061), (52, 8088), (61, 8223), (65, 8295), (66, 8298), (67, 8316), (73, 8367), (74, 8373),

Gene: lbhubesi_11 Start: 7600, Stop: 8409, Start Num: 17

Candidate Starts for lbhubesi_11:

(Start: 12 @7543 has 2 MA's), (Start: 17 @7600 has 259 MA's), (18, 7612), (22, 7726), (23, 7750), (24, 7756), (27, 7819), (34, 7933), (35, 7936), (36, 7939), (38, 7969), (40, 7990), (41, 7999), (49, 8053), (61, 8215), (65, 8287), (67, 8308), (72, 8341), (73, 8359), (74, 8365),

Gene: ldergollasper_47 Start: 23856, Stop: 24671, Start Num: 17

Candidate Starts for ldergollasper_47:

(Start: 17 @23856 has 259 MA's), (20, 23937), (27, 24078), (29, 24093), (34, 24192), (37, 24210), (43, 24273), (45, 24285), (47, 24300), (59, 24417), (64, 24543),

Gene: lmara_45 Start: 23665, Stop: 24480, Start Num: 17

Candidate Starts for lmara_45:

(Start: 17 @23665 has 259 MA's), (20, 23746), (27, 23887), (29, 23902), (34, 24001), (37, 24019), (43, 24082), (45, 24094), (47, 24109), (59, 24226), (64, 24352),

Gene: Inventum_11 Start: 7537, Stop: 8418, Start Num: 9

Candidate Starts for Inventum_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (67, 8317), (72, 8350), (73, 8368), (74, 8374),

Gene: IrishSherpFalk_11 Start: 7617, Stop: 8426, Start Num: 17

Candidate Starts for IrishSherpFalk_11:

(Start: 17 @7617 has 259 MA's), (18, 7629), (20, 7698), (21, 7707), (22, 7743), (23, 7767), (24, 7773), (27, 7836), (33, 7947), (34, 7950), (35, 7953), (36, 7956), (38, 7986), (40, 8007), (41, 8016), (49, 8070), (65, 8304), (67, 8325), (73, 8376), (74, 8382),

Gene: Island3_13 Start: 8865, Stop: 9665, Start Num: 17

Candidate Starts for Island3_13:

(15, 8820), (Start: 17 @8865 has 259 MA's), (21, 8961), (24, 9024), (29, 9102), (34, 9201), (38, 9237), (62, 9513), (67, 9573), (68, 9579),

Gene: JalFarm20_12 Start: 7462, Stop: 8271, Start Num: 17

Candidate Starts for JalFarm20_12:

(Start: 17 @7462 has 259 MA's), (18, 7474), (21, 7552), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (48, 7909), (49, 7915), (52, 7942), (57, 8011), (61, 8077), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: James_11 Start: 7601, Stop: 8410, Start Num: 17

Candidate Starts for James_11:

(Start: 12 @7544 has 2 MA's), (Start: 17 @7601 has 259 MA's), (18, 7613), (21, 7691), (22, 7727), (23, 7751), (24, 7757), (27, 7820), (34, 7934), (35, 7937), (36, 7940), (38, 7970), (40, 7991), (41, 8000), (48, 8048), (49, 8054), (51, 8078), (61, 8216), (65, 8288), (67, 8309), (72, 8342), (73, 8360), (74, 8366),

Gene: JangDynasty_47 Start: 23951, Stop: 24766, Start Num: 17

Candidate Starts for JangDynasty_47:

(Start: 17 @23951 has 259 MA's), (20, 24032), (27, 24173), (29, 24188), (34, 24287), (37, 24305), (43, 24368), (45, 24380), (47, 24395), (59, 24512), (64, 24638),

Gene: Jant_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Jant_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Jacob_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Jacob_11:

(Start: 9 @7537 has 9 MA's), (11, 7552), (Start: 17 @7609 has 259 MA's), (18, 7621), (21, 7699), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (51, 8086), (61, 8224), (65, 8296), (67, 8317), (72, 8350), (73, 8368), (74, 8374),

Gene: Jennelsea_11 Start: 7597, Stop: 8406, Start Num: 17

Candidate Starts for Jennelsea_11:

(Start: 17 @7597 has 259 MA's), (18, 7609), (21, 7687), (22, 7723), (23, 7747), (24, 7753), (27, 7816), (34, 7930), (35, 7933), (36, 7936), (38, 7966), (40, 7987), (41, 7996), (49, 8050), (52, 8077), (61, 8212), (67, 8305), (73, 8356), (74, 8362),

Gene: Jinglebell_11 Start: 7607, Stop: 8416, Start Num: 17

Candidate Starts for Jinglebell_11:

(Start: 12 @7550 has 2 MA's), (Start: 17 @7607 has 259 MA's), (18, 7619), (21, 7697), (22, 7733), (23, 7757), (24, 7763), (27, 7826), (33, 7937), (34, 7940), (35, 7943), (36, 7946), (38, 7976), (40, 7997), (41, 8006), (48, 8054), (49, 8060), (51, 8084), (61, 8222), (65, 8294), (67, 8315), (73, 8366), (74, 8372),

Gene: Job42_12 Start: 7462, Stop: 8271, Start Num: 17

Candidate Starts for Job42_12:

(Start: 12 @7405 has 2 MA's), (Start: 17 @7462 has 259 MA's), (18, 7474), (21, 7552), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (48, 7909), (49, 7915), (52, 7942), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: JoeyJr_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for JoeyJr_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40,

7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Juice456_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Juice456_12:

(Start: 12 @7406 has 2 MA's), (Start: 17 @7463 has 259 MA's), (18, 7475), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Juniper1_11 Start: 7601, Stop: 8410, Start Num: 17

Candidate Starts for Juniper1_11:

(Start: 12 @7544 has 2 MA's), (Start: 17 @7601 has 259 MA's), (18, 7613), (21, 7691), (22, 7727), (23, 7751), (24, 7757), (27, 7820), (34, 7934), (35, 7937), (36, 7940), (38, 7970), (40, 7991), (41, 8000), (49, 8054), (51, 8078), (61, 8216), (65, 8288), (67, 8309), (73, 8360), (74, 8366),

Gene: Karhdo_11 Start: 7612, Stop: 8421, Start Num: 17

Candidate Starts for Karhdo_11:

(5, 7504), (Start: 12 @7555 has 2 MA's), (Start: 17 @7612 has 259 MA's), (18, 7624), (22, 7738), (23, 7762), (24, 7768), (27, 7831), (34, 7945), (35, 7948), (36, 7951), (38, 7981), (40, 8002), (41, 8011), (49, 8065), (61, 8227), (65, 8299), (67, 8320), (73, 8371), (74, 8377),

Gene: Kenuha5_11 Start: 7599, Stop: 8408, Start Num: 17

Candidate Starts for Kenuha5_11:

(Start: 17 @7599 has 259 MA's), (18, 7611), (20, 7680), (22, 7725), (23, 7749), (24, 7755), (27, 7818), (34, 7932), (35, 7935), (38, 7968), (40, 7989), (41, 7998), (49, 8052), (52, 8079), (53, 8085), (61, 8214), (65, 8286), (67, 8307), (73, 8358), (74, 8364),

Gene: Kersh_11 Start: 7603, Stop: 8412, Start Num: 17

Candidate Starts for Kersh_11:

(Start: 17 @7603 has 259 MA's), (18, 7615), (21, 7693), (22, 7729), (23, 7753), (24, 7759), (27, 7822), (34, 7936), (35, 7939), (36, 7942), (38, 7972), (40, 7993), (41, 8002), (49, 8056), (52, 8083), (61, 8218), (65, 8290), (67, 8311), (72, 8344), (73, 8362), (74, 8368),

Gene: Kimberlium_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Kimberlium_12:

(Start: 12 @7406 has 2 MA's), (Start: 17 @7463 has 259 MA's), (18, 7475), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: KingJulian_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for KingJulian_11:

(Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (23, 7782), (24, 7788), (27, 7851), (34, 7965), (35, 7968), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: KingMidas_11 Start: 7608, Stop: 8417, Start Num: 17

Candidate Starts for KingMidas_11:

(Start: 8 @7533 has 3 MA's), (Start: 9 @7536 has 9 MA's), (Start: 12 @7551 has 2 MA's), (Start: 17 @7608 has 259 MA's), (18, 7620), (21, 7698), (22, 7734), (23, 7758), (24, 7764), (27, 7827), (33, 7938), (34, 7941), (35, 7944), (36, 7947), (38, 7977), (40, 7998), (41, 8007), (49, 8061), (52, 8088), (61, 8223), (65, 8295), (67, 8316), (73, 8367), (74, 8373),

Gene: KingPhillip3_46 Start: 23856, Stop: 24671, Start Num: 17

Candidate Starts for KingPhillip3_46:

(Start: 17 @23856 has 259 MA's), (20, 23937), (27, 24078), (29, 24093), (34, 24192), (37, 24210), (43, 24273), (45, 24285), (47, 24300), (59, 24417), (64, 24543),

Gene: Kingsley_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Kingsley_12:

(13, 7403), (Start: 17 @7460 has 259 MA's), (18, 7472), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (61, 8075), (67, 8168), (73, 8219), (74, 8225),

Gene: Koella_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Koella_11:

(Start: 17 @7609 has 259 MA's), (18, 7621), (21, 7699), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (49, 8062), (52, 8089), (61, 8224), (67, 8317), (73, 8368), (74, 8374),

Gene: Krakatau_12 Start: 8284, Stop: 9093, Start Num: 17

Candidate Starts for Krakatau_12:

(Start: 17 @8284 has 259 MA's), (18, 8296), (20, 8365), (21, 8374), (23, 8434), (24, 8440), (27, 8503), (32, 8602), (34, 8617), (35, 8620), (38, 8653), (40, 8674), (41, 8683), (49, 8737), (65, 8971), (67, 8992), (73, 9043), (74, 9049),

Gene: Krili_46 Start: 23573, Stop: 24388, Start Num: 17

Candidate Starts for Krili_46:

(Start: 17 @23573 has 259 MA's), (20, 23654), (27, 23795), (29, 23810), (34, 23909), (37, 23927), (43, 23990), (45, 24002), (47, 24017), (59, 24134), (64, 24260),

Gene: KristaRAM_12 Start: 8281, Stop: 9090, Start Num: 17

Candidate Starts for KristaRAM_12:

(Start: 17 @8281 has 259 MA's), (18, 8293), (20, 8362), (21, 8371), (23, 8431), (24, 8437), (27, 8500), (34, 8614), (35, 8617), (36, 8620), (38, 8650), (40, 8671), (41, 8680), (49, 8734), (61, 8896), (65, 8968), (67, 8989), (73, 9040), (74, 9046),

Gene: LastJedi_11 Start: 7601, Stop: 8410, Start Num: 17

Candidate Starts for LastJedi_11:

(Start: 12 @7544 has 2 MA's), (Start: 17 @7601 has 259 MA's), (18, 7613), (21, 7691), (22, 7727), (23, 7751), (24, 7757), (27, 7820), (34, 7934), (35, 7937), (36, 7940), (38, 7970), (40, 7991), (41, 8000), (48, 8048), (49, 8054), (51, 8078), (61, 8216), (65, 8288), (67, 8309), (72, 8342), (73, 8360), (74, 8366),

Gene: Latretium_11 Start: 7598, Stop: 8407, Start Num: 17

Candidate Starts for Latretium_11:

(Start: 12 @7541 has 2 MA's), (Start: 17 @7598 has 259 MA's), (18, 7610), (21, 7688), (22, 7724), (23, 7748), (24, 7754), (27, 7817), (34, 7931), (35, 7934), (36, 7937), (38, 7967), (40, 7988), (41, 7997), (48, 8045), (49, 8051), (51, 8075), (52, 8078), (61, 8213), (65, 8285), (67, 8306), (73, 8357), (74, 8363),

Gene: Leozinho_12 Start: 7461, Stop: 8270, Start Num: 17

Candidate Starts for Leozinho_12:

(Start: 8 @7386 has 3 MA's), (Start: 9 @7389 has 9 MA's), (Start: 12 @7404 has 2 MA's), (Start: 17 @7461 has 259 MA's), (18, 7473), (21, 7551), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (49, 7914), (61, 8076), (65, 8148), (67, 8169), (73, 8220), (74, 8226),

Gene: Leperchaun_11 Start: 7598, Stop: 8407, Start Num: 17

Candidate Starts for Leperchaun_11:

(Start: 9 @7526 has 9 MA's), (Start: 12 @7541 has 2 MA's), (Start: 17 @7598 has 259 MA's), (18, 7610), (22, 7724), (23, 7748), (24, 7754), (27, 7817), (34, 7931), (35, 7934), (36, 7937), (38, 7967), (40, 7988), (41, 7997), (48, 8045), (49, 8051), (52, 8078), (61, 8213), (65, 8285), (66, 8288), (67, 8306), (73, 8357), (74, 8363),

Gene: LilMoolah_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for LilMoolah_11:

(Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (48, 8057), (49, 8063), (61, 8225), (65, 8297), (67, 8318), (73, 8369), (74, 8375),

Gene: LittleShirley_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for LittleShirley_12:

(Start: 17 @7463 has 259 MA's), (18, 7475), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Lizziana_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for Lizziana_11:

(Start: 9 @7538 has 9 MA's), (11, 7553), (Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (48, 8057), (49, 8063), (51, 8087), (61, 8225), (65, 8297), (67, 8318), (72, 8351), (73, 8369), (74, 8375),

Gene: Llama_11 Start: 7607, Stop: 8416, Start Num: 17

Candidate Starts for Llama_11:

(Start: 12 @7550 has 2 MA's), (Start: 17 @7607 has 259 MA's), (18, 7619), (21, 7697), (22, 7733), (23, 7757), (24, 7763), (27, 7826), (33, 7937), (34, 7940), (35, 7943), (36, 7946), (38, 7976), (40, 7997), (41, 8006), (48, 8054), (49, 8060), (51, 8084), (61, 8222), (65, 8294), (67, 8315), (73, 8366), (74, 8372),

Gene: Llij_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for Llij_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (52, 8106), (61, 8241), (65, 8313), (67, 8334), (73, 8385), (74, 8391),

Gene: LordVader_13 Start: 7456, Stop: 8265, Start Num: 17

Candidate Starts for LordVader_13:

(Start: 12 @7399 has 2 MA's), (Start: 17 @7456 has 259 MA's), (18, 7468), (21, 7546), (22, 7582), (23, 7606), (24, 7612), (27, 7675), (34, 7789), (35, 7792), (36, 7795), (38, 7825), (40, 7846), (41, 7855), (49, 7909), (52, 7936), (61, 8071), (65, 8143), (67, 8164), (73, 8215), (74, 8221),

Gene: Lorde_12 Start: 7462, Stop: 8271, Start Num: 17

Candidate Starts for Lorde_12:

(Start: 9 @7390 has 9 MA's), (Start: 12 @7405 has 2 MA's), (Start: 17 @7462 has 259 MA's), (18, 7474), (20, 7543), (21, 7552), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (33, 7792), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (49, 7915), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: Lucia_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Lucia_12:

(Start: 9 @7391 has 9 MA's), (Start: 12 @7406 has 2 MA's), (Start: 17 @7463 has 259 MA's), (18, 7475), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (52, 7943), (61, 8078), (65, 8150), (67, 8171), (72, 8204), (73, 8222), (74, 8228),

Gene: LunaBlu_11 Start: 7606, Stop: 8415, Start Num: 17

Candidate Starts for LunaBlu_11:

(Start: 17 @7606 has 259 MA's), (18, 7618), (20, 7687), (21, 7696), (22, 7732), (23, 7756), (24, 7762), (27, 7825), (33, 7936), (34, 7939), (35, 7942), (36, 7945), (38, 7975), (40, 7996), (41, 8005), (49, 8059), (65, 8293), (67, 8314), (73, 8365), (74, 8371),

Gene: LunaStella_12 Start: 8033, Stop: 8845, Start Num: 17

Candidate Starts for LunaStella_12:

(Start: 17 @8033 has 259 MA's), (21, 8123), (22, 8159), (31, 8348), (33, 8363), (34, 8366), (42, 8438), (52, 8513), (60, 8630), (61, 8648), (67, 8741), (70, 8768), (75, 8825),

Gene: MadKillah_48 Start: 23795, Stop: 24610, Start Num: 17

Candidate Starts for MadKillah_48:

(Start: 17 @23795 has 259 MA's), (20, 23876), (27, 24017), (29, 24032), (34, 24131), (37, 24149), (43, 24212), (45, 24224), (47, 24239), (59, 24356), (64, 24482),

Gene: MadMen_11 Start: 7624, Stop: 8433, Start Num: 17

Candidate Starts for MadMen_11:

(Start: 9 @7552 has 9 MA's), (Start: 12 @7567 has 2 MA's), (Start: 17 @7624 has 259 MA's), (18, 7636), (21, 7714), (22, 7750), (23, 7774), (24, 7780), (27, 7843), (34, 7957), (35, 7960), (36, 7963), (38, 7993), (40, 8014), (41, 8023), (49, 8077), (52, 8104), (61, 8239), (65, 8311), (67, 8332), (73, 8383), (74, 8389),

Gene: Madiba_12 Start: 7457, Stop: 8266, Start Num: 17

Candidate Starts for Madiba_12:

(Start: 17 @7457 has 259 MA's), (18, 7469), (22, 7583), (23, 7607), (24, 7613), (27, 7676), (34, 7790), (35, 7793), (36, 7796), (38, 7826), (40, 7847), (41, 7856), (49, 7910), (61, 8072), (65, 8144), (67, 8165), (73, 8216), (74, 8222),

Gene: Mahavrat_11 Start: 7598, Stop: 8407, Start Num: 17

Candidate Starts for Mahavrat_11:

(Start: 12 @7541 has 2 MA's), (Start: 17 @7598 has 259 MA's), (18, 7610), (21, 7688), (22, 7724), (23, 7748), (24, 7754), (27, 7817), (34, 7931), (35, 7934), (36, 7937), (38, 7967), (40, 7988), (41, 7997), (49, 8051), (51, 8075), (61, 8213), (65, 8285), (67, 8306), (73, 8357), (74, 8363),

Gene: Mandlovu_11 Start: 7599, Stop: 8408, Start Num: 17

Candidate Starts for Mandlovu_11:

(Start: 12 @7542 has 2 MA's), (Start: 17 @7599 has 259 MA's), (18, 7611), (21, 7689), (22, 7725), (23, 7749), (24, 7755), (27, 7818), (33, 7929), (34, 7932), (35, 7935), (36, 7938), (38, 7968), (40, 7989), (41, 7998), (48, 8046), (49, 8052), (51, 8076), (52, 8079), (61, 8214), (65, 8286), (67, 8307), (72, 8340), (73, 8358), (74, 8364),

Gene: Mantra_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for Mantra_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (48, 8073), (49, 8079), (52, 8106), (61, 8241), (65, 8313), (66, 8316), (67, 8334), (73, 8385), (74, 8391),

Gene: Maravista_11 Start: 7598, Stop: 8407, Start Num: 17

Candidate Starts for Maravista_11:

(Start: 9 @7526 has 9 MA's), (11, 7541), (Start: 17 @7598 has 259 MA's), (18, 7610), (21, 7688), (22, 7724), (23, 7748), (24, 7754), (27, 7817), (34, 7931), (35, 7934), (36, 7937), (38, 7967), (40, 7988), (41, 7997), (48, 8045), (49, 8051), (51, 8075), (61, 8213), (65, 8285), (67, 8306), (72, 8339), (73, 8357), (74, 8363),

Gene: Marker_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Marker_12:

(Start: 12 @7403 has 2 MA's), (Start: 17 @7460 has 259 MA's), (18, 7472), (21, 7550), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (33, 7790), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (48, 7907), (49, 7913), (52, 7940), (57, 8009), (61, 8075), (65, 8147), (67, 8168), (73, 8219), (74, 8225),

Gene: Martik_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for Martik_11:

(Start: 9 @7538 has 9 MA's), (11, 7553), (Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (48, 8057), (49, 8063), (51, 8087), (61, 8225), (65, 8297), (67, 8318), (72, 8351), (73, 8369), (74, 8375),

Gene: Mattes_11 Start: 7601, Stop: 8410, Start Num: 17

Candidate Starts for Mattes_11:

(Start: 12 @7544 has 2 MA's), (Start: 17 @7601 has 259 MA's), (18, 7613), (21, 7691), (22, 7727), (23, 7751), (24, 7757), (27, 7820), (34, 7934), (35, 7937), (36, 7940), (38, 7970), (40, 7991), (41, 8000), (48, 8048), (49, 8054), (51, 8078), (61, 8216), (65, 8288), (67, 8309), (72, 8342), (73, 8360), (74, 8366),

Gene: Medindi_11 Start: 7620, Stop: 8429, Start Num: 17

Candidate Starts for Medindi_11:

(Start: 10 @7548 has 1 MA's), (Start: 17 @7620 has 259 MA's), (18, 7632), (20, 7701), (21, 7710), (22, 7746), (23, 7770), (24, 7776), (27, 7839), (32, 7938), (34, 7953), (35, 7956), (38, 7989), (40, 8010), (41, 8019), (49, 8073), (61, 8235), (65, 8307), (67, 8328), (73, 8379), (74, 8385),

Gene: Melissauren88_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Melissauren88_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: MilanaBonita_12 Start: 8280, Stop: 9089, Start Num: 17

Candidate Starts for MilanaBonita_12:

(Start: 17 @8280 has 259 MA's), (18, 8292), (20, 8361), (21, 8370), (22, 8406), (23, 8430), (24, 8436), (27, 8499), (32, 8598), (34, 8613), (35, 8616), (36, 8619), (38, 8649), (40, 8670), (41, 8679), (49, 8733), (61, 8895), (65, 8967), (67, 8988), (73, 9039), (74, 9045),

Gene: MilleniumForce_12 Start: 8279, Stop: 9088, Start Num: 17

Candidate Starts for MilleniumForce_12:

(Start: 10 @8207 has 1 MA's), (Start: 17 @8279 has 259 MA's), (18, 8291), (20, 8360), (21, 8369), (22, 8405), (23, 8429), (24, 8435), (27, 8498), (33, 8609), (34, 8612), (35, 8615), (36, 8618), (38, 8648), (40, 8669), (41, 8678), (49, 8732), (61, 8894), (65, 8966), (67, 8987), (73, 9038), (74, 9044),

Gene: MinionDave_12 Start: 8280, Stop: 9089, Start Num: 17

Candidate Starts for MinionDave_12:

(Start: 17 @8280 has 259 MA's), (18, 8292), (20, 8361), (21, 8370), (23, 8430), (24, 8436), (27, 8499), (34, 8613), (35, 8616), (36, 8619), (38, 8649), (40, 8670), (41, 8679), (49, 8733), (65, 8967), (67, 8988), (73, 9039), (74, 9045),

Gene: Minnie_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for Minnie_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (52, 8106), (61, 8241), (67, 8334), (73, 8385), (74, 8391),

Gene: Misha28_12 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for Misha28_12:

(Start: 12 @7407 has 2 MA's), (Start: 17 @7464 has 259 MA's), (18, 7476), (21, 7554), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (49, 7917), (52, 7944), (61, 8079), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: MisterCuddles_11 Start: 7614, Stop: 8423, Start Num: 17

Candidate Starts for MisterCuddles_11:

(Start: 12 @7557 has 2 MA's), (Start: 17 @7614 has 259 MA's), (18, 7626), (21, 7704), (22, 7740), (23, 7764), (24, 7770), (27, 7833), (34, 7947), (35, 7950), (36, 7953), (38, 7983), (40, 8004), (41, 8013), (49, 8067), (51, 8091), (52, 8094), (61, 8229), (65, 8301), (67, 8322), (72, 8355), (73, 8373), (74, 8379),

Gene: Modragons_11 Start: 7607, Stop: 8416, Start Num: 17

Candidate Starts for Modragons_11:

(Start: 12 @7550 has 2 MA's), (Start: 17 @7607 has 259 MA's), (18, 7619), (21, 7697), (22, 7733), (23, 7757), (24, 7763), (27, 7826), (33, 7937), (34, 7940), (35, 7943), (36, 7946), (38, 7976), (40, 7997), (41, 8006), (48, 8054), (49, 8060), (51, 8084), (61, 8222), (65, 8294), (67, 8315), (73, 8366), (74, 8372),

Gene: MooMoo_11 Start: 7161, Stop: 7961, Start Num: 17

Candidate Starts for MooMoo_11:

(Start: 14 @7110 has 1 MA's), (Start: 17 @7161 has 259 MA's), (21, 7257), (25, 7353), (28, 7392), (34, 7497), (46, 7602), (54, 7683), (55, 7686), (56, 7701), (60, 7761), (63, 7836), (67, 7869), (68, 7875), (69, 7878),

Gene: Moonbeam_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for Moonbeam_11:

(Start: 17 @7611 has 259 MA's), (18, 7623), (21, 7701), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (33, 7941), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (49, 8064), (61, 8226), (65, 8298), (67, 8319), (73, 8370), (74, 8376),

Gene: Mori_46 Start: 23444, Stop: 24259, Start Num: 17

Candidate Starts for Mori_46:

(Start: 17 @23444 has 259 MA's), (20, 23525), (27, 23666), (29, 23681), (34, 23780), (37, 23798), (43, 23861), (45, 23873), (47, 23888), (59, 24005), (64, 24131),

Gene: Mova_12 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for Mova_12:

(Start: 9 @7392 has 9 MA's), (Start: 12 @7407 has 2 MA's), (Start: 17 @7464 has 259 MA's), (18, 7476), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (33, 7794), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (49, 7917), (52, 7944), (61, 8079), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: Mozy_12 Start: 7477, Stop: 8286, Start Num: 17

Candidate Starts for Mozy_12:

(Start: 17 @7477 has 259 MA's), (18, 7489), (20, 7558), (21, 7567), (22, 7603), (23, 7627), (24, 7633), (27, 7696), (34, 7810), (35, 7813), (38, 7846), (40, 7867), (41, 7876), (49, 7930), (52, 7957), (58, 8032), (65, 8164), (67, 8185), (73, 8236), (74, 8242),

Gene: Ms6_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Ms6_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (23, 7781), (24, 7787), (27, 7850), (34, 7964), (35, 7967), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: MulchExplorer_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for MulchExplorer_12:

(Start: 12 @7406 has 2 MA's), (Start: 17 @7463 has 259 MA's), (18, 7475), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: MulchSalad_11 Start: 7612, Stop: 8421, Start Num: 17

Candidate Starts for MulchSalad_11:

(Start: 17 @7612 has 259 MA's), (18, 7624), (21, 7702), (22, 7738), (23, 7762), (24, 7768), (27, 7831), (34, 7945), (35, 7948), (36, 7951), (38, 7981), (40, 8002), (41, 8011), (49, 8065), (61, 8227), (65, 8299), (67, 8320), (73, 8371), (74, 8377),

Gene: Murai_47 Start: 23634, Stop: 24449, Start Num: 17

Candidate Starts for Murai_47:

(Start: 17 @23634 has 259 MA's), (20, 23715), (27, 23856), (29, 23871), (34, 23970), (37, 23988), (43, 24051), (45, 24063), (47, 24078), (59, 24195), (64, 24321),

Gene: Mutaforma13_11 Start: 7630, Stop: 8439, Start Num: 17

Candidate Starts for Mutaforma13_11:

(Start: 17 @7630 has 259 MA's), (18, 7642), (20, 7711), (21, 7720), (22, 7756), (23, 7780), (24, 7786), (27, 7849), (33, 7960), (34, 7963), (35, 7966), (36, 7969), (38, 7999), (40, 8020), (41, 8029), (49, 8083), (52, 8110), (65, 8317), (67, 8338), (73, 8389), (74, 8395),

Gene: Mwanjiwa_11 Start: 7583, Stop: 8392, Start Num: 17

Candidate Starts for Mwanjiwa_11:

(Start: 12 @7526 has 2 MA's), (Start: 17 @7583 has 259 MA's), (18, 7595), (21, 7673), (22, 7709), (23, 7733), (24, 7739), (27, 7802), (33, 7913), (34, 7916), (35, 7919), (36, 7922), (38, 7952), (40, 7973), (41, 7982), (49, 8036), (51, 8060), (61, 8198), (65, 8270), (67, 8291), (73, 8342), (74, 8348),

Gene: NewHope4_11 Start: 7606, Stop: 8415, Start Num: 17

Candidate Starts for NewHope4_11:

(Start: 17 @7606 has 259 MA's), (18, 7618), (20, 7687), (21, 7696), (22, 7732), (23, 7756), (24, 7762), (27, 7825), (33, 7936), (34, 7939), (35, 7942), (36, 7945), (38, 7975), (40, 7996), (41, 8005), (49, 8059), (65, 8293), (67, 8314), (73, 8365), (74, 8371),

Gene: Nichirin_11 Start: 7608, Stop: 8417, Start Num: 17

Candidate Starts for Nichirin_11:

(Start: 12 @7551 has 2 MA's), (Start: 17 @7608 has 259 MA's), (18, 7620), (21, 7698), (22, 7734), (23, 7758), (24, 7764), (27, 7827), (33, 7938), (34, 7941), (35, 7944), (36, 7947), (38, 7977), (40, 7998), (41, 8007), (48, 8055), (49, 8061), (51, 8085), (61, 8223), (65, 8295), (67, 8316), (73, 8367), (74, 8373),

Gene: NiebruSaylor_46 Start: 23445, Stop: 24260, Start Num: 17

Candidate Starts for NiebruSaylor_46:

(Start: 17 @23445 has 259 MA's), (20, 23526), (27, 23667), (29, 23682), (34, 23781), (37, 23799), (43, 23862), (45, 23874), (47, 23889), (59, 24006), (64, 24132),

Gene: Nimbo_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Nimbo_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Nitzel_12 Start: 8262, Stop: 9071, Start Num: 17

Candidate Starts for Nitzel_12:

(Start: 17 @8262 has 259 MA's), (18, 8274), (21, 8352), (22, 8388), (23, 8412), (24, 8418), (27, 8481), (34, 8595), (35, 8598), (36, 8601), (38, 8631), (40, 8652), (41, 8661), (49, 8715), (52, 8742), (61, 8877), (67, 8970), (73, 9021), (74, 9027),

Gene: Nivrat_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Nivrat_11:

(Start: 9 @7537 has 9 MA's), (11, 7552), (Start: 17 @7609 has 259 MA's), (18, 7621), (21, 7699), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (51, 8086), (61, 8224), (65, 8296), (67, 8317), (72, 8350), (73, 8368), (74, 8374),

Gene: NormanBulbieJr_11 Start: 7597, Stop: 8406, Start Num: 17

Candidate Starts for NormanBulbieJr_11:

(Start: 17 @7597 has 259 MA's), (18, 7609), (21, 7687), (22, 7723), (23, 7747), (24, 7753), (27, 7816), (34, 7930), (35, 7933), (36, 7936), (38, 7966), (40, 7987), (41, 7996), (49, 8050), (52, 8077), (65, 8284), (67, 8305), (73, 8356), (74, 8362),

Gene: Ochi17_11 Start: 7607, Stop: 8416, Start Num: 17

Candidate Starts for Ochi17_11:

(Start: 12 @7550 has 2 MA's), (Start: 17 @7607 has 259 MA's), (18, 7619), (21, 7697), (22, 7733), (23, 7757), (24, 7763), (27, 7826), (33, 7937), (34, 7940), (35, 7943), (36, 7946), (38, 7976), (40, 7997), (41, 8006), (48, 8054), (49, 8060), (51, 8084), (61, 8222), (65, 8294), (67, 8315), (73, 8366), (74, 8372),

Gene: OfUltron_11 Start: 7607, Stop: 8416, Start Num: 17

Candidate Starts for OfUltron_11:

(Start: 12 @7550 has 2 MA's), (Start: 17 @7607 has 259 MA's), (18, 7619), (21, 7697), (22, 7733), (23, 7757), (24, 7763), (27, 7826), (33, 7937), (34, 7940), (35, 7943), (36, 7946), (38, 7976), (40, 7997), (41, 8006), (48, 8054), (49, 8060), (51, 8084), (61, 8222), (65, 8294), (67, 8315), (73, 8366), (74, 8372),

Gene: Ogopogo_14 Start: 7806, Stop: 8672, Start Num: 12

Candidate Starts for Ogopogo_14:

(Start: 12 @7806 has 2 MA's), (Start: 17 @7863 has 259 MA's), (18, 7875), (21, 7953), (22, 7989), (23, 8013), (24, 8019), (27, 8082), (34, 8196), (35, 8199), (36, 8202), (38, 8232), (40, 8253), (41, 8262), (48, 8310), (49, 8316), (51, 8340), (52, 8343), (61, 8478), (65, 8550), (67, 8571), (72, 8604), (73, 8622), (74, 8628),

Gene: Okabe_13 Start: 8273, Stop: 9082, Start Num: 17

Candidate Starts for Okabe_13:

(Start: 12 @8216 has 2 MA's), (Start: 17 @8273 has 259 MA's), (18, 8285), (21, 8363), (22, 8399), (23, 8423), (24, 8429), (27, 8492), (34, 8606), (35, 8609), (36, 8612), (38, 8642), (40, 8663), (41, 8672), (49,

8726), (51, 8750), (61, 8888), (65, 8960), (67, 8981), (72, 9014), (73, 9032), (74, 9038),

Gene: Oksu_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Oksu_12:

(Start: 12 @7406 has 2 MA's), (Start: 17 @7463 has 259 MA's), (18, 7475), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (48, 7910), (49, 7916), (51, 7940), (52, 7943), (61, 8078), (65, 8150), (67, 8171), (72, 8204), (73, 8222), (74, 8228),

Gene: OldBen_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for OldBen_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: OlympiaSaint_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for OlympiaSaint_11:

(Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (49, 8063), (52, 8090), (65, 8297), (67, 8318), (73, 8369), (74, 8375),

Gene: Ovechkin_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Ovechkin_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (23, 7781), (24, 7787), (27, 7850), (34, 7964), (35, 7967), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: OwlsT2W_12 Start: 7461, Stop: 8270, Start Num: 17

Candidate Starts for OwlsT2W_12:

(Start: 8 @7386 has 3 MA's), (Start: 9 @7389 has 9 MA's), (Start: 12 @7404 has 2 MA's), (Start: 17 @7461 has 259 MA's), (18, 7473), (21, 7551), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (48, 7908), (49, 7914), (52, 7941), (57, 8010), (61, 8076), (65, 8148), (67, 8169), (73, 8220), (74, 8226),

Gene: PHappiness_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for PHappiness_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: PMC_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for PMC_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (52, 8106), (61, 8241), (65, 8313), (67, 8334), (73, 8385), (74, 8391),

Gene: Pacc40_11 Start: 7537, Stop: 8418, Start Num: 9

Candidate Starts for Pacc40_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: PaintedDog_12 Start: 8410, Stop: 9210, Start Num: 17

Candidate Starts for PaintedDog_12:

(Start: 14 @8359 has 1 MA's), (Start: 17 @8410 has 259 MA's), (21, 8506), (24, 8569), (29, 8647), (34, 8746), (38, 8782), (62, 9058), (67, 9118), (68, 9124),

Gene: PatoPoderoso_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for PatoPoderoso_11:

(Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (23, 7782), (24, 7788), (27, 7851), (34, 7965), (35, 7968), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: Peridot_13 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Peridot_13:

(Start: 17 @7463 has 259 MA's), (18, 7475), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (52, 7943), (61, 8078), (67, 8171), (73, 8222), (74, 8228),

Gene: Phalconet_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Phalconet_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (32, 7949), (34, 7964), (35, 7967), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Phanphagia_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for Phanphagia_11:

(Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (22, 7758), (23, 7782), (24, 7788), (27, 7851), (33, 7962), (34, 7965), (35, 7968), (36, 7971), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: Phasih_11 Start: 7625, Stop: 8434, Start Num: 17

Candidate Starts for Phasih_11:

(Start: 12 @7568 has 2 MA's), (Start: 17 @7625 has 259 MA's), (18, 7637), (20, 7706), (21, 7715), (23, 7775), (24, 7781), (27, 7844), (34, 7958), (35, 7961), (36, 7964), (38, 7994), (40, 8015), (41, 8024), (49, 8078), (51, 8102), (65, 8312), (67, 8333), (72, 8366), (73, 8384), (74, 8390),

Gene: Phatniss_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Phatniss_11:

(Start: 17 @7609 has 259 MA's), (18, 7621), (21, 7699), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (67, 8317), (73, 8368), (74, 8374),

Gene: PhesterPhotato_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for PhesterPhotato_11:

(Start: 10 @7559 has 1 MA's), (Start: 12 @7571 has 2 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Philus_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Philus_11:

(Start: 9 @7537 has 9 MA's), (11, 7552), (Start: 17 @7609 has 259 MA's), (18, 7621), (21, 7699), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41,

8008), (48, 8056), (49, 8062), (51, 8086), (61, 8224), (65, 8296), (67, 8317), (72, 8350), (73, 8368), (74, 8374),

Gene: PhlipPhlop_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for PhlipPhlop_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (33, 7956), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (61, 8241), (65, 8313), (67, 8334), (73, 8385), (74, 8391),

Gene: Piper2020_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Piper2020_12:

(Start: 9 @7391 has 9 MA's), (Start: 12 @7406 has 2 MA's), (Start: 17 @7463 has 259 MA's), (18, 7475), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (48, 7910), (49, 7916), (52, 7943), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Pippy_11 Start: 7597, Stop: 8406, Start Num: 17

Candidate Starts for Pippy_11:

(Start: 17 @7597 has 259 MA's), (18, 7609), (21, 7687), (22, 7723), (23, 7747), (24, 7753), (27, 7816), (34, 7930), (35, 7933), (36, 7936), (38, 7966), (40, 7987), (41, 7996), (49, 8050), (61, 8212), (67, 8305), (73, 8356), (74, 8362),

Gene: Plumbus_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Plumbus_12:

(Start: 12 @7406 has 2 MA's), (Start: 17 @7463 has 259 MA's), (18, 7475), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Poenanya_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Poenanya_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Polka14_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for Polka14_11:

(Start: 9 @7538 has 9 MA's), (Start: 12 @7553 has 2 MA's), (Start: 17 @7610 has 259 MA's), (18, 7622), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (49, 8063), (52, 8090), (61, 8225), (65, 8297), (67, 8318), (72, 8351), (73, 8369), (74, 8375),

Gene: Pollywog_12 Start: 7462, Stop: 8271, Start Num: 17

Candidate Starts for Pollywog_12:

(Start: 9 @7390 has 9 MA's), (Start: 12 @7405 has 2 MA's), (Start: 17 @7462 has 259 MA's), (18, 7474), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (49, 7915), (52, 7942), (61, 8077), (65, 8149), (67, 8170), (72, 8203), (73, 8221), (74, 8227),

Gene: Polo2Bam_12 Start: 7606, Stop: 8415, Start Num: 17

Candidate Starts for Polo2Bam_12:

(Start: 17 @7606 has 259 MA's), (18, 7618), (20, 7687), (21, 7696), (22, 7732), (23, 7756), (24, 7762), (27, 7825), (33, 7936), (34, 7939), (35, 7942), (36, 7945), (38, 7975), (40, 7996), (41, 8005), (49, 8059),

(65, 8293), (67, 8314), (73, 8365), (74, 8371),

Gene: PopTart_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for PopTart_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Priscilla_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for Priscilla_11:

(Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (49, 8063), (52, 8090), (61, 8225), (65, 8297), (67, 8318), (72, 8351), (73, 8369), (74, 8375),

Gene: QueenHazel_13 Start: 8870, Stop: 9670, Start Num: 17

Candidate Starts for QueenHazel_13:

(15, 8825), (Start: 17 @8870 has 259 MA's), (21, 8966), (24, 9029), (29, 9107), (34, 9206), (38, 9242), (62, 9518), (67, 9578), (68, 9584),

Gene: QuickMath_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for QuickMath_11:

(Start: 10 @7560 has 1 MA's), (Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (22, 7758), (23, 7782), (24, 7788), (27, 7851), (33, 7962), (34, 7965), (35, 7968), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (61, 8247), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: Quico_12 Start: 7458, Stop: 8267, Start Num: 17

Candidate Starts for Quico_12:

(Start: 17 @7458 has 259 MA's), (18, 7470), (21, 7548), (22, 7584), (23, 7608), (24, 7614), (27, 7677), (34, 7791), (35, 7794), (36, 7797), (38, 7827), (40, 7848), (41, 7857), (49, 7911), (51, 7935), (61, 8073), (65, 8145), (67, 8166), (73, 8217), (74, 8223),

Gene: Radiance_11 Start: 7608, Stop: 8417, Start Num: 17

Candidate Starts for Radiance_11:

(5, 7500), (Start: 12 @7551 has 2 MA's), (Start: 17 @7608 has 259 MA's), (18, 7620), (22, 7734), (23, 7758), (24, 7764), (27, 7827), (34, 7941), (35, 7944), (36, 7947), (38, 7977), (40, 7998), (41, 8007), (49, 8061), (61, 8223), (65, 8295), (67, 8316), (73, 8367), (74, 8373),

Gene: Ramsey_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Ramsey_12:

(Start: 12 @7403 has 2 MA's), (Start: 17 @7460 has 259 MA's), (18, 7472), (21, 7550), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (33, 7790), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (52, 7940), (61, 8075), (67, 8168), (73, 8219), (74, 8225),

Gene: RedBird_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for RedBird_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Renaud18_12 Start: 7913, Stop: 8725, Start Num: 17

Candidate Starts for Renaud18_12:

(Start: 17 @7913 has 259 MA's), (21, 8003), (22, 8039), (31, 8228), (33, 8243), (34, 8246), (38, 8282), (42, 8318), (60, 8510), (61, 8528), (67, 8621), (70, 8648), (75, 8705),

Gene: Rialto_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Rialto_12:

(Start: 17 @7463 has 259 MA's), (18, 7475), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (33, 7793), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Rita_11 Start: 7600, Stop: 8409, Start Num: 17

Candidate Starts for Rita_11:

(Start: 17 @7600 has 259 MA's), (18, 7612), (20, 7681), (22, 7726), (23, 7750), (24, 7756), (27, 7819), (34, 7933), (35, 7936), (38, 7969), (40, 7990), (41, 7999), (49, 8053), (52, 8080), (53, 8086), (61, 8215), (65, 8287), (67, 8308), (73, 8359), (74, 8365),

Gene: RitaG_11 Start: 7534, Stop: 8418, Start Num: 8

Candidate Starts for RitaG_11:

(Start: 8 @7534 has 3 MA's), (Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: Rockne_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for Rockne_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (52, 8106), (61, 8241), (65, 8313), (67, 8334), (73, 8385), (74, 8391),

Gene: RockyHorror_12 Start: 7461, Stop: 8270, Start Num: 17

Candidate Starts for RockyHorror_12:

(Start: 17 @7461 has 259 MA's), (18, 7473), (21, 7551), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (48, 7908), (49, 7914), (52, 7941), (61, 8076), (65, 8148), (66, 8151), (67, 8169), (73, 8220), (74, 8226),

Gene: Royals2015_11 Start: 7629, Stop: 8438, Start Num: 17

Candidate Starts for Royals2015_11:

(1, 7431), (2, 7452), (3, 7455), (16, 7590), (Start: 17 @7629 has 259 MA's), (18, 7641), (20, 7710), (21, 7719), (22, 7755), (23, 7779), (24, 7785), (27, 7848), (33, 7959), (34, 7962), (35, 7965), (36, 7968), (38, 7998), (40, 8019), (41, 8028), (49, 8082), (61, 8244), (65, 8316), (67, 8337), (73, 8388), (74, 8394),

Gene: Ruby_11 Start: 7557, Stop: 8423, Start Num: 12

Candidate Starts for Ruby_11:

(Start: 12 @7557 has 2 MA's), (Start: 17 @7614 has 259 MA's), (18, 7626), (21, 7704), (22, 7740), (23, 7764), (24, 7770), (27, 7833), (34, 7947), (35, 7950), (36, 7953), (38, 7983), (40, 8004), (41, 8013), (49, 8067), (51, 8091), (52, 8094), (61, 8229), (65, 8301), (67, 8322), (72, 8355), (73, 8373), (74, 8379),

Gene: Ryadel_51 Start: 24909, Stop: 25724, Start Num: 17

Candidate Starts for Ryadel_51:

(Start: 17 @24909 has 259 MA's), (20, 24990), (27, 25131), (34, 25245), (37, 25263), (39, 25296), (43, 25326), (45, 25338), (47, 25353), (59, 25470), (64, 25596),

Gene: SG4_11 Start: 7559, Stop: 8440, Start Num: 10

Candidate Starts for SG4_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Saal_11 Start: 7598, Stop: 8407, Start Num: 17

Candidate Starts for Saal_11:

(Start: 17 @7598 has 259 MA's), (18, 7610), (21, 7688), (22, 7724), (23, 7748), (24, 7754), (27, 7817), (34, 7931), (35, 7934), (36, 7937), (38, 7967), (40, 7988), (41, 7997), (49, 8051), (61, 8213), (67, 8306), (73, 8357), (74, 8363),

Gene: Sabbb_11 Start: 7614, Stop: 8423, Start Num: 17

Candidate Starts for Sabbb_11:

(Start: 12 @7557 has 2 MA's), (Start: 17 @7614 has 259 MA's), (18, 7626), (21, 7704), (22, 7740), (23, 7764), (24, 7770), (27, 7833), (34, 7947), (35, 7950), (36, 7953), (38, 7983), (40, 8004), (41, 8013), (48, 8061), (49, 8067), (52, 8094), (57, 8163), (61, 8229), (65, 8301), (67, 8322), (72, 8355), (73, 8373), (74, 8379),

Gene: Sandalphon_11 Start: 7626, Stop: 8435, Start Num: 17

Candidate Starts for Sandalphon_11:

(Start: 17 @7626 has 259 MA's), (18, 7638), (21, 7716), (22, 7752), (23, 7776), (24, 7782), (27, 7845), (34, 7959), (35, 7962), (36, 7965), (38, 7995), (40, 8016), (41, 8025), (49, 8079), (52, 8106), (61, 8241), (67, 8334), (73, 8385), (74, 8391),

Gene: Sarma624_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Sarma624_12:

(13, 7403), (Start: 17 @7460 has 259 MA's), (18, 7472), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (61, 8075), (67, 8168), (73, 8219), (74, 8225),

Gene: Sassafras_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Sassafras_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (67, 8317), (72, 8350), (73, 8368), (74, 8374),

Gene: SassyB_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for SassyB_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Sbash_12 Start: 8452, Stop: 9249, Start Num: 17

Candidate Starts for Sbash_12:

(6, 8362), (15, 8410), (Start: 17 @8452 has 259 MA's), (20, 8539), (21, 8548), (28, 8683), (29, 8689), (34, 8788), (52, 8935), (60, 9049), (67, 9157), (68, 9163),

Gene: SchoolBus_47 Start: 23859, Stop: 24674, Start Num: 17

Candidate Starts for SchoolBus_47:

(Start: 17 @23859 has 259 MA's), (20, 23940), (27, 24081), (29, 24096), (34, 24195), (37, 24213), (43, 24276), (45, 24288), (47, 24303), (59, 24420), (64, 24546),

Gene: Schuy_48 Start: 23792, Stop: 24607, Start Num: 17

Candidate Starts for Schuy_48:

(Start: 17 @23792 has 259 MA's), (20, 23873), (27, 24014), (29, 24029), (34, 24128), (37, 24146), (43, 24209), (45, 24221), (47, 24236), (59, 24353), (64, 24479),

Gene: Scottish_11 Start: 7609, Stop: 8418, Start Num: 17

Candidate Starts for Scottish_11:

(Start: 9 @7537 has 9 MA's), (Start: 12 @7552 has 2 MA's), (Start: 17 @7609 has 259 MA's), (18, 7621), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (52, 8089), (61, 8224), (65, 8296), (66, 8299), (67, 8317), (73, 8368), (74, 8374),

Gene: SeaLumen_11 Start: 7606, Stop: 8415, Start Num: 17

Candidate Starts for SeaLumen_11:

(Start: 17 @7606 has 259 MA's), (18, 7618), (20, 7687), (21, 7696), (22, 7732), (23, 7756), (24, 7762), (27, 7825), (33, 7936), (34, 7939), (35, 7942), (36, 7945), (38, 7975), (40, 7996), (41, 8005), (49, 8059), (65, 8293), (67, 8314), (73, 8365), (74, 8371),

Gene: Seabastian_11 Start: 7607, Stop: 8416, Start Num: 17

Candidate Starts for Seabastian_11:

(Start: 12 @7550 has 2 MA's), (Start: 17 @7607 has 259 MA's), (18, 7619), (21, 7697), (22, 7733), (23, 7757), (24, 7763), (27, 7826), (33, 7937), (34, 7940), (35, 7943), (36, 7946), (38, 7976), (40, 7997), (41, 8006), (48, 8054), (49, 8060), (51, 8084), (61, 8222), (65, 8294), (67, 8315), (73, 8366), (74, 8372),

Gene: Seagreen_12 Start: 7462, Stop: 8271, Start Num: 17

Candidate Starts for Seagreen_12:

(Start: 12 @7405 has 2 MA's), (Start: 17 @7462 has 259 MA's), (18, 7474), (21, 7552), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (33, 7792), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (49, 7915), (52, 7942), (61, 8077), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: Shauna1_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for Shauna1_11:

(Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (22, 7758), (23, 7782), (24, 7788), (27, 7851), (33, 7962), (34, 7965), (35, 7968), (36, 7971), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: ShiLan_11 Start: 7537, Stop: 8418, Start Num: 9

Candidate Starts for ShiLan_11:

(Start: 9 @7537 has 9 MA's), (11, 7552), (Start: 17 @7609 has 259 MA's), (18, 7621), (21, 7699), (22, 7735), (23, 7759), (24, 7765), (27, 7828), (34, 7942), (35, 7945), (36, 7948), (38, 7978), (40, 7999), (41, 8008), (48, 8056), (49, 8062), (51, 8086), (61, 8224), (65, 8296), (67, 8317), (72, 8350), (73, 8368), (74, 8374),

Gene: Shida_47 Start: 23699, Stop: 24514, Start Num: 17

Candidate Starts for Shida_47:

(Start: 17 @23699 has 259 MA's), (20, 23780), (27, 23921), (29, 23936), (34, 24035), (37, 24053), (43, 24116), (45, 24128), (47, 24143), (59, 24260), (64, 24386),

Gene: ShowerHandel_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for ShowerHandel_11:

(Start: 9 @7538 has 9 MA's), (11, 7553), (Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (48, 8057), (49, 8063), (51, 8087), (61, 8225), (65, 8297), (67, 8318), (72, 8351), (73, 8369), (74, 8375),

Gene: ShroomBoi_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for ShroomBoi_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: SiSi_11 Start: 7618, Stop: 8427, Start Num: 17

Candidate Starts for SiSi_11:

(Start: 17 @7618 has 259 MA's), (18, 7630), (20, 7699), (21, 7708), (23, 7768), (24, 7774), (27, 7837), (32, 7936), (34, 7951), (35, 7954), (38, 7987), (40, 8008), (41, 8017), (49, 8071), (61, 8233), (65, 8305), (67, 8326), (73, 8377), (74, 8383),

Gene: SimranZ1_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for SimranZ1_12:

(Start: 17 @7460 has 259 MA's), (18, 7472), (21, 7550), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (33, 7790), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (52, 7940), (61, 8075), (65, 8147), (67, 8168), (73, 8219), (74, 8225),

Gene: Slim_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Slim_12:

(Start: 17 @7463 has 259 MA's), (18, 7475), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (33, 7793), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Smooch_49 Start: 24987, Stop: 25802, Start Num: 17

Candidate Starts for Smooch_49:

(Start: 17 @24987 has 259 MA's), (20, 25068), (27, 25209), (29, 25224), (34, 25323), (37, 25341), (43, 25404), (45, 25416), (47, 25431), (59, 25548), (64, 25674),

Gene: Sparkdehlily_11 Start: 7624, Stop: 8433, Start Num: 17

Candidate Starts for Sparkdehlily_11:

(Start: 9 @7552 has 9 MA's), (Start: 12 @7567 has 2 MA's), (Start: 17 @7624 has 259 MA's), (18, 7636), (21, 7714), (22, 7750), (23, 7774), (24, 7780), (27, 7843), (34, 7957), (35, 7960), (36, 7963), (38, 7993), (40, 8014), (41, 8023), (49, 8077), (52, 8104), (61, 8239), (65, 8311), (67, 8332), (73, 8383), (74, 8389),

Gene: Spartacus_11 Start: 7617, Stop: 8426, Start Num: 17

Candidate Starts for Spartacus_11:

(Start: 17 @7617 has 259 MA's), (18, 7629), (20, 7698), (21, 7707), (22, 7743), (23, 7767), (24, 7773), (27, 7836), (33, 7947), (34, 7950), (35, 7953), (36, 7956), (38, 7986), (40, 8007), (41, 8016), (49, 8070), (65, 8304), (67, 8325), (73, 8376), (74, 8382),

Gene: Spikelee_12 Start: 7461, Stop: 8270, Start Num: 17

Candidate Starts for Spikelee_12:

(Start: 8 @7386 has 3 MA's), (Start: 9 @7389 has 9 MA's), (Start: 12 @7404 has 2 MA's), (Start: 17 @7461 has 259 MA's), (18, 7473), (21, 7551), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (48, 7908), (49, 7914), (52, 7941), (61, 8076), (65, 8148), (67, 8169), (73, 8220), (74, 8226),

Gene: Spoonbill_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for Spoonbill_11:

(Start: 12 @7553 has 2 MA's), (Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (49, 8063), (51, 8087), (52, 8090), (61, 8225), (65, 8297), (67, 8318), (72, 8351), (73, 8369), (74, 8375),

Gene: Squirty_12 Start: 7454, Stop: 8263, Start Num: 17

Candidate Starts for Squirty_12:

(Start: 17 @7454 has 259 MA's), (18, 7466), (21, 7544), (22, 7580), (23, 7604), (24, 7610), (27, 7673), (34, 7787), (35, 7790), (36, 7793), (38, 7823), (40, 7844), (41, 7853), (49, 7907), (61, 8069), (65, 8141), (67, 8162), (71, 8192), (73, 8213), (74, 8219),

Gene: StAnnes_11 Start: 7632, Stop: 8441, Start Num: 17

Candidate Starts for StAnnes_11:

(Start: 17 @7632 has 259 MA's), (18, 7644), (20, 7713), (21, 7722), (23, 7782), (24, 7788), (27, 7851), (34, 7965), (35, 7968), (38, 8001), (40, 8022), (41, 8031), (49, 8085), (61, 8247), (65, 8319), (67, 8340), (73, 8391), (74, 8397),

Gene: Stap_12 Start: 7461, Stop: 8270, Start Num: 17

Candidate Starts for Stap_12:

(5, 7353), (Start: 12 @7404 has 2 MA's), (Start: 17 @7461 has 259 MA's), (18, 7473), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (49, 7914), (61, 8076), (65, 8148), (67, 8169), (73, 8220), (74, 8226),

Gene: Starcevich_12 Start: 7390, Stop: 8271, Start Num: 9

Candidate Starts for Starcevich_12:

(Start: 9 @7390 has 9 MA's), (11, 7405), (Start: 17 @7462 has 259 MA's), (18, 7474), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (49, 7915), (61, 8077), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: Strokeseat_11 Start: 7599, Stop: 8408, Start Num: 17

Candidate Starts for Strokeseat_11:

(Start: 12 @7542 has 2 MA's), (Start: 17 @7599 has 259 MA's), (18, 7611), (21, 7689), (22, 7725), (23, 7749), (24, 7755), (27, 7818), (33, 7929), (34, 7932), (35, 7935), (36, 7938), (38, 7968), (40, 7989), (41, 7998), (48, 8046), (49, 8052), (51, 8076), (52, 8079), (61, 8214), (65, 8286), (67, 8307), (72, 8340), (73, 8358), (74, 8364),

Gene: Stuck_12 Start: 8470, Stop: 9267, Start Num: 17

Candidate Starts for Stuck_12:

(6, 8380), (15, 8428), (Start: 17 @8470 has 259 MA's), (21, 8566), (28, 8701), (34, 8806), (52, 8953), (60, 9067), (67, 9175), (68, 9181),

Gene: SuperGrey_11 Start: 7599, Stop: 8408, Start Num: 17

Candidate Starts for SuperGrey_11:

(Start: 17 @7599 has 259 MA's), (18, 7611), (20, 7680), (22, 7725), (23, 7749), (24, 7755), (27, 7818), (34, 7932), (35, 7935), (38, 7968), (40, 7989), (41, 7998), (49, 8052), (52, 8079), (53, 8085), (61, 8214), (65, 8286), (67, 8307), (73, 8358), (74, 8364),

Gene: SwagPiggett_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for SwagPiggett_11:

(Start: 9 @7538 has 9 MA's), (11, 7553), (Start: 17 @7610 has 259 MA's), (18, 7622), (21, 7700), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (48, 8057), (49, 8063), (51, 8087), (61, 8225), (65, 8297), (67, 8318), (72, 8351), (73, 8369), (74, 8375),

Gene: TChen_12 Start: 8033, Stop: 8845, Start Num: 17

Candidate Starts for TChen_12:

(Start: 17 @8033 has 259 MA's), (21, 8123), (22, 8159), (31, 8348), (33, 8363), (34, 8366), (42, 8438), (52, 8513), (60, 8630), (61, 8648), (67, 8741), (70, 8768), (75, 8825),

Gene: TDanisky_11 Start: 7624, Stop: 8433, Start Num: 17

Candidate Starts for TDanisky_11:

(Start: 9 @7552 has 9 MA's), (Start: 12 @7567 has 2 MA's), (Start: 17 @7624 has 259 MA's), (18, 7636), (21, 7714), (22, 7750), (23, 7774), (24, 7780), (27, 7843), (34, 7957), (35, 7960), (36, 7963), (38, 7993), (40, 8014), (41, 8023), (49, 8077), (52, 8104), (61, 8239), (65, 8311), (67, 8332), (73, 8383), (74, 8389),

Gene: Taj_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Taj_11:

(Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Tchotchke_12 Start: 7461, Stop: 8270, Start Num: 17

Candidate Starts for Tchotchke_12:

(Start: 9 @7389 has 9 MA's), (Start: 12 @7404 has 2 MA's), (Start: 17 @7461 has 259 MA's), (18, 7473), (21, 7551), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (48, 7908), (49, 7914), (52, 7941), (61, 8076), (65, 8148), (66, 8151), (67, 8169), (73, 8220), (74, 8226),

Gene: TelAviv_44 Start: 23853, Stop: 24668, Start Num: 17

Candidate Starts for TelAviv_44:

(Start: 17 @23853 has 259 MA's), (20, 23934), (27, 24075), (29, 24090), (34, 24189), (37, 24207), (43, 24270), (45, 24282), (47, 24297), (59, 24414), (64, 24540),

Gene: ThetaBob_12 Start: 7916, Stop: 8728, Start Num: 17

Candidate Starts for ThetaBob_12:

(Start: 17 @7916 has 259 MA's), (21, 8006), (22, 8042), (31, 8231), (33, 8246), (34, 8249), (42, 8321), (52, 8396), (60, 8513), (61, 8531), (67, 8624), (70, 8651), (75, 8708),

Gene: TootsiePop_12 Start: 7464, Stop: 8273, Start Num: 17

Candidate Starts for TootsiePop_12:

(Start: 12 @7407 has 2 MA's), (Start: 17 @7464 has 259 MA's), (18, 7476), (21, 7554), (22, 7590), (23, 7614), (24, 7620), (27, 7683), (34, 7797), (35, 7800), (36, 7803), (38, 7833), (40, 7854), (41, 7863), (49, 7917), (52, 7944), (61, 8079), (65, 8151), (67, 8172), (73, 8223), (74, 8229),

Gene: Tootsieroll_12 Start: 7461, Stop: 8270, Start Num: 17

Candidate Starts for Tootsieroll_12:

(5, 7353), (Start: 12 @7404 has 2 MA's), (Start: 17 @7461 has 259 MA's), (18, 7473), (22, 7587), (23, 7611), (24, 7617), (27, 7680), (34, 7794), (35, 7797), (36, 7800), (38, 7830), (40, 7851), (41, 7860), (49, 7914), (61, 8076), (65, 8148), (67, 8169), (73, 8220), (74, 8226),

Gene: Topiatin_13 Start: 8283, Stop: 9092, Start Num: 17

Candidate Starts for Topiatin_13:

(Start: 17 @8283 has 259 MA's), (18, 8295), (20, 8364), (21, 8373), (23, 8433), (24, 8439), (27, 8502), (34, 8616), (35, 8619), (36, 8622), (38, 8652), (40, 8673), (41, 8682), (49, 8736), (61, 8898), (65, 8970), (67, 8991), (73, 9042), (74, 9048),

Gene: Toron_12 Start: 8033, Stop: 8845, Start Num: 17

Candidate Starts for Toron_12:

(Start: 17 @8033 has 259 MA's), (19, 8099), (21, 8123), (22, 8159), (31, 8348), (33, 8363), (34, 8366), (42, 8438), (51, 8510), (60, 8630), (61, 8648), (67, 8741), (75, 8825),

Gene: Totinger_12 Start: 7463, Stop: 8272, Start Num: 17

Candidate Starts for Totinger_12:

(Start: 17 @7463 has 259 MA's), (18, 7475), (21, 7553), (22, 7589), (23, 7613), (24, 7619), (27, 7682), (33, 7793), (34, 7796), (35, 7799), (36, 7802), (38, 7832), (40, 7853), (41, 7862), (49, 7916), (61, 8078), (65, 8150), (67, 8171), (73, 8222), (74, 8228),

Gene: Tweety_11 Start: 7633, Stop: 8442, Start Num: 17

Candidate Starts for Tweety_11:

(Start: 17 @7633 has 259 MA's), (18, 7645), (20, 7714), (21, 7723), (23, 7783), (24, 7789), (27, 7852), (34, 7966), (35, 7969), (36, 7972), (38, 8002), (40, 8023), (41, 8032), (49, 8086), (61, 8248), (65, 8320), (67, 8341), (73, 8392), (74, 8398),

Gene: UncleRicky_12 Start: 7390, Stop: 8271, Start Num: 9

Candidate Starts for UncleRicky_12:

(Start: 9 @7390 has 9 MA's), (Start: 12 @7405 has 2 MA's), (Start: 17 @7462 has 259 MA's), (18, 7474), (20, 7543), (21, 7552), (22, 7588), (23, 7612), (24, 7618), (27, 7681), (33, 7792), (34, 7795), (35, 7798), (36, 7801), (38, 7831), (40, 7852), (41, 7861), (49, 7915), (65, 8149), (67, 8170), (73, 8221), (74, 8227),

Gene: VRedHorse_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for VRedHorse_11:

(Start: 17 @7611 has 259 MA's), (18, 7623), (21, 7701), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (48, 8058), (49, 8064), (52, 8091), (61, 8226), (65, 8298), (66, 8301), (67, 8319), (73, 8370), (74, 8376),

Gene: Vagabond_47 Start: 23686, Stop: 24501, Start Num: 17

Candidate Starts for Vagabond_47:

(Start: 17 @23686 has 259 MA's), (20, 23767), (27, 23908), (29, 23923), (34, 24022), (37, 24040), (43, 24103), (45, 24115), (47, 24130), (59, 24247), (64, 24373),

Gene: Velveteen_12 Start: 7460, Stop: 8269, Start Num: 17

Candidate Starts for Velveteen_12:

(13, 7403), (Start: 17 @7460 has 259 MA's), (18, 7472), (22, 7586), (23, 7610), (24, 7616), (27, 7679), (34, 7793), (35, 7796), (36, 7799), (38, 7829), (40, 7850), (41, 7859), (49, 7913), (61, 8075), (67, 8168), (73, 8219), (74, 8225),

Gene: Veteran_11 Start: 7625, Stop: 8434, Start Num: 17

Candidate Starts for Veteran_11:

(4, 7517), (11, 7568), (Start: 17 @7625 has 259 MA's), (18, 7637), (20, 7706), (22, 7751), (23, 7775), (24, 7781), (27, 7844), (34, 7958), (35, 7961), (36, 7964), (38, 7994), (40, 8015), (41, 8024), (49, 8078), (61, 8240), (65, 8312), (67, 8333), (73, 8384), (74, 8390),

Gene: Violac_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for Violac_11:

(Start: 12 @7554 has 2 MA's), (Start: 17 @7611 has 259 MA's), (18, 7623), (21, 7701), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (49, 8064), (52, 8091), (61, 8226), (65, 8298), (67, 8319), (72, 8352), (73, 8370), (74, 8376),

Gene: Vivum_11 Start: 7610, Stop: 8419, Start Num: 17

Candidate Starts for Vivum_11:

(Start: 17 @7610 has 259 MA's), (18, 7622), (22, 7736), (23, 7760), (24, 7766), (27, 7829), (34, 7943), (35, 7946), (36, 7949), (38, 7979), (40, 8000), (41, 8009), (49, 8063), (61, 8225), (65, 8297), (67, 8318), (73, 8369), (74, 8375),

Gene: Vorrps_46 Start: 23445, Stop: 24260, Start Num: 17

Candidate Starts for Vorrps_46:

(Start: 17 @23445 has 259 MA's), (20, 23526), (27, 23667), (29, 23682), (34, 23781), (37, 23799), (43, 23862), (45, 23874), (47, 23889), (59, 24006), (64, 24132),

Gene: Wachhund_11 Start: 7602, Stop: 8411, Start Num: 17

Candidate Starts for Wachhund_11:

(Start: 12 @7545 has 2 MA's), (Start: 17 @7602 has 259 MA's), (18, 7614), (21, 7692), (22, 7728), (23, 7752), (24, 7758), (27, 7821), (34, 7935), (35, 7938), (36, 7941), (38, 7971), (40, 7992), (41, 8001), (48, 8049), (49, 8055), (52, 8082), (61, 8217), (65, 8289), (67, 8310), (73, 8361), (74, 8367),

Gene: Wee_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Wee_11:

(Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (23, 7781), (24, 7787), (27, 7850), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Whatsapiecost_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for Whatsapiecost_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (32, 7949), (34, 7964), (35, 7967), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Whouxphf_11 Start: 7602, Stop: 8411, Start Num: 17

Candidate Starts for Whouxphf_11:

(Start: 12 @7545 has 2 MA's), (Start: 17 @7602 has 259 MA's), (18, 7614), (22, 7728), (23, 7752), (24, 7758), (27, 7821), (34, 7935), (35, 7938), (36, 7941), (38, 7971), (40, 7992), (41, 8001), (49, 8055), (51, 8079), (52, 8082), (61, 8217), (65, 8289), (67, 8310), (73, 8361), (74, 8367),

Gene: Wildflower_47 Start: 23431, Stop: 24246, Start Num: 17

Candidate Starts for Wildflower_47:

(Start: 17 @23431 has 259 MA's), (20, 23512), (27, 23653), (29, 23668), (34, 23767), (37, 23785), (43, 23848), (45, 23860), (47, 23875), (59, 23992), (64, 24118),

Gene: WillSterrel_11 Start: 7617, Stop: 8426, Start Num: 17

Candidate Starts for WillSterrel_11:

(Start: 17 @7617 has 259 MA's), (18, 7629), (20, 7698), (21, 7707), (22, 7743), (23, 7767), (24, 7773), (27, 7836), (33, 7947), (34, 7950), (35, 7953), (36, 7956), (38, 7986), (40, 8007), (41, 8016), (49, 8070), (65, 8304), (67, 8325), (73, 8376), (74, 8382),

Gene: Winget_48 Start: 24125, Stop: 24940, Start Num: 17

Candidate Starts for Winget_48:

(Start: 17 @24125 has 259 MA's), (20, 24206), (27, 24347), (29, 24362), (34, 24461), (37, 24479), (43, 24542), (45, 24554), (47, 24569), (59, 24686), (64, 24812),

Gene: Wogge42_46 Start: 23764, Stop: 24579, Start Num: 17

Candidate Starts for Wogge42_46:

(Start: 17 @23764 has 259 MA's), (20, 23845), (27, 23986), (29, 24001), (30, 24046), (34, 24100), (37, 24118), (43, 24181), (45, 24193), (47, 24208), (59, 24325), (64, 24451),

Gene: XFactor_11 Start: 7631, Stop: 8440, Start Num: 17

Candidate Starts for XFactor_11:

(Start: 10 @7559 has 1 MA's), (Start: 17 @7631 has 259 MA's), (18, 7643), (20, 7712), (21, 7721), (22, 7757), (23, 7781), (24, 7787), (27, 7850), (33, 7961), (34, 7964), (35, 7967), (36, 7970), (38, 8000), (40, 8021), (41, 8030), (49, 8084), (61, 8246), (65, 8318), (67, 8339), (73, 8390), (74, 8396),

Gene: Xula_12 Start: 8498, Stop: 9298, Start Num: 17

Candidate Starts for Xula_12:

(Start: 14 @8447 has 1 MA's), (Start: 17 @8498 has 259 MA's), (21, 8594), (24, 8657), (29, 8735), (34, 8834), (38, 8870), (62, 9146), (67, 9206), (68, 9212),

Gene: Yorick_11 Start: 7608, Stop: 8417, Start Num: 17

Candidate Starts for Yorick_11:

(Start: 9 @7536 has 9 MA's), (Start: 12 @7551 has 2 MA's), (Start: 17 @7608 has 259 MA's), (18, 7620), (21, 7698), (22, 7734), (23, 7758), (24, 7764), (27, 7827), (34, 7941), (35, 7944), (36, 7947), (38, 7977), (40, 7998), (41, 8007), (48, 8055), (49, 8061), (52, 8088), (61, 8223), (65, 8295), (67, 8316), (72, 8349), (73, 8367), (74, 8373),

Gene: YoyoKar_45 Start: 23409, Stop: 24224, Start Num: 17

Candidate Starts for YoyoKar_45:

(Start: 17 @23409 has 259 MA's), (20, 23490), (27, 23631), (29, 23646), (34, 23745), (37, 23763), (43, 23826), (45, 23838), (47, 23853), (59, 23970), (64, 24096),

Gene: YungJamal_50 Start: 24164, Stop: 24979, Start Num: 17

Candidate Starts for YungJamal_50:

(Start: 17 @24164 has 259 MA's), (20, 24245), (27, 24386), (29, 24401), (34, 24500), (37, 24518), (43, 24581), (45, 24593), (47, 24608), (59, 24725), (64, 24851),

Gene: Zakhe101_47 Start: 23575, Stop: 24390, Start Num: 17

Candidate Starts for Zakhe101_47:

(Start: 17 @23575 has 259 MA's), (20, 23656), (27, 23797), (29, 23812), (34, 23911), (37, 23929), (43, 23992), (45, 24004), (47, 24019), (59, 24136), (64, 24262),

Gene: Zebo_47 Start: 23859, Stop: 24674, Start Num: 17

Candidate Starts for Zebo_47:

(Start: 17 @23859 has 259 MA's), (20, 23940), (27, 24081), (29, 24096), (34, 24195), (37, 24213), (43, 24276), (45, 24288), (47, 24303), (59, 24420), (64, 24546),

Gene: Zerg_11 Start: 7611, Stop: 8420, Start Num: 17

Candidate Starts for Zerg_11:

(Start: 17 @7611 has 259 MA's), (18, 7623), (21, 7701), (22, 7737), (23, 7761), (24, 7767), (27, 7830), (34, 7944), (35, 7947), (36, 7950), (38, 7980), (40, 8001), (41, 8010), (49, 8064), (52, 8091), (61, 8226), (67, 8319), (73, 8370), (74, 8376),

Gene: Zizzle_11 Start: 7612, Stop: 8421, Start Num: 17

Candidate Starts for Zizzle_11:

(Start: 9 @7540 has 9 MA's), (11, 7555), (Start: 17 @7612 has 259 MA's), (18, 7624), (21, 7702), (22, 7738), (23, 7762), (24, 7768), (27, 7831), (34, 7945), (35, 7948), (36, 7951), (38, 7981), (40, 8002), (41, 8011), (48, 8059), (49, 8065), (51, 8089), (61, 8227), (65, 8299), (67, 8320), (72, 8353), (73, 8371), (74, 8377),

