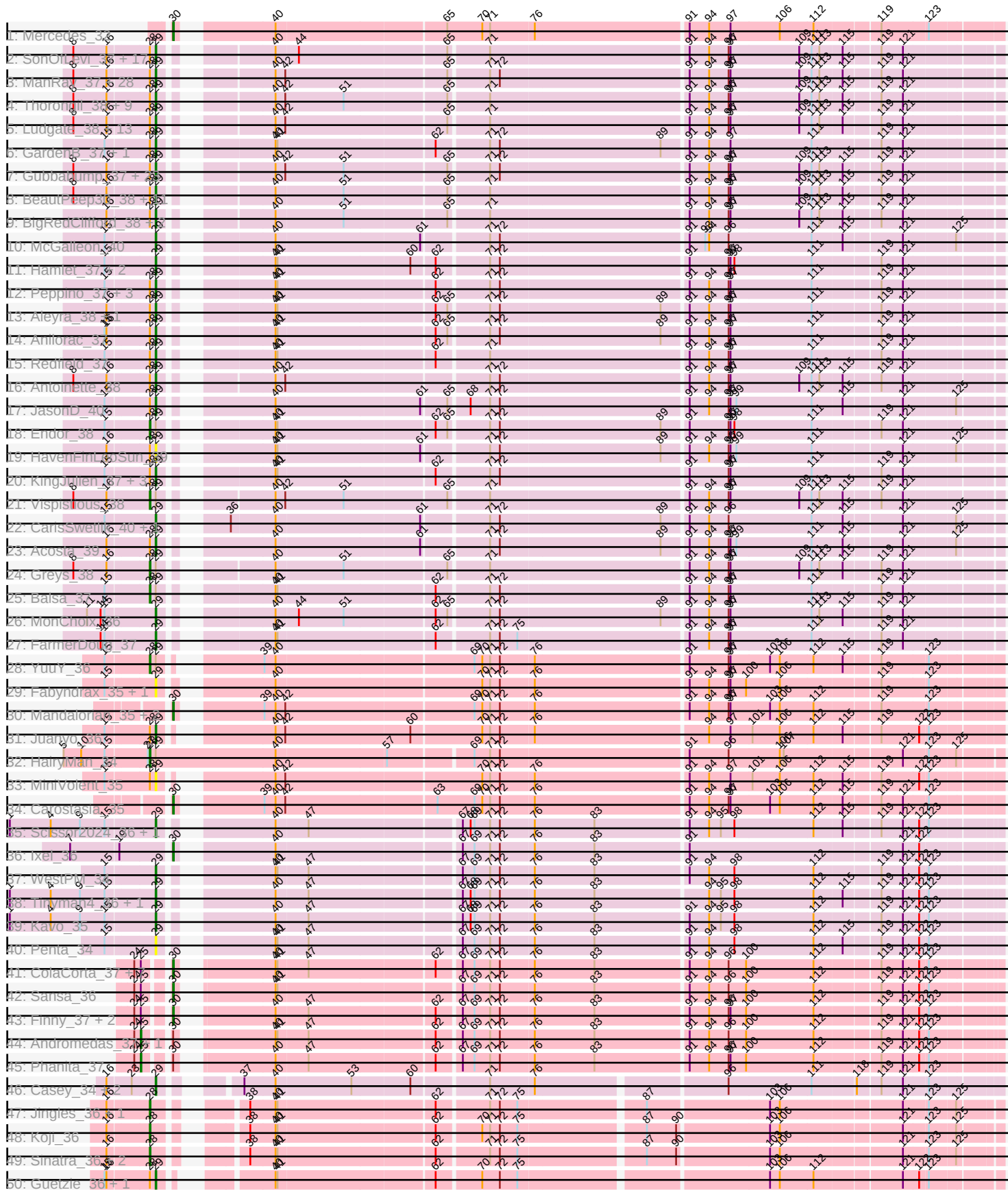
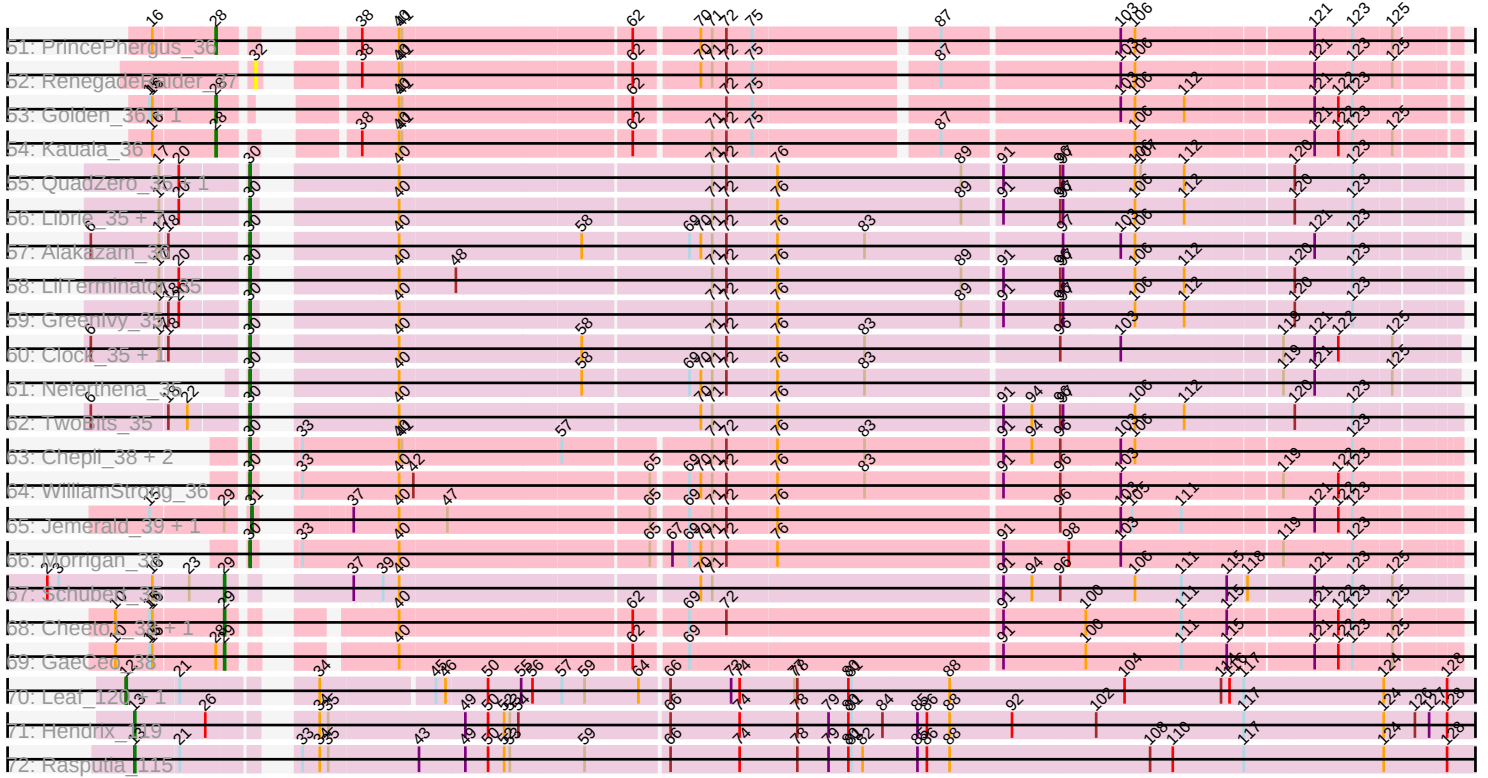






Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 330472 Report

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

Pham number 330472 has 222 members, 17 are drafts.

Phages represented in each track:

- Track 1 : Mercedes_32
- Track 2 : SonOfLevi_37, Asta_37, TeddyBear_37, Etta_37, Raptor_38, Erla_37, Gershwin_37, Nagem_38, Chamuel_37, Baines_37, Kouch_37, Calix_37, Pocket_37, Gelo_37, SJay_38, Exploradora_37, Klimt_37, KellyGreen_38
- Track 3 : ManRay_37, Christoph_37, Phiderman_38, Espinosa_37, Kurt1_38, Bandik_38, Robinson_38, TinSulphur_38, Janus167_37, MaeLinda_38, Superfresh_38, Aubergine_37, Byron23_38, Pherferi_38, Rapheph_38, TatarkaPM_38, Stanktossa_38, Peep_38, Inventa_38, Tenda_37, Martin_39, AlexAdler_38, Dave_38, PhredFlintston_38, Oats_37, Dothraki_38, NickSell_38, MillyPhilly_38, Renzie_38
- Track 4 : Thorongil_38, Alyxandracam_38, AxiPup_38, ParleG_38, ShaiHulud_38, MrWorldwide_38, PuppyEggo_38, WildNOut_38, Riyhil_38, Strathdee_38
- Track 5 : Ludgate_38, Nattles_37, OldNelly_38, Phriends_38, SoilGremlin_38, Shee_38, SolidSnake_39, Bonino_37, Delphidian_38, Garey24_37, Symere_37, Kale_37, Sedgewig_37, Merida02_39
- Track 6 : GardenB_37, GoneGirl_38
- Track 7 : Gubbabump_37, Duocatuli_37, Benjalauren_38, StirfryIV_37, CoraRita_37, HankSprout_38, Ilzat_37, AranulaLuti_37, Jerbirus_38, Clancy_37, JeriBeth_37, Rog141_37, HanSolo_37, Winzigespinne_37, JasperRussell_37, Papafritta_37, HungryHenry_37, Chako_37, Ioannes_38, RosieMae_37, StingRay_37, Zada_38, KannH_37, Figueroism_38
- Track 8 : BeautPeep30_38, Velene_38, GoingMerry_38, BonesMcCoy_38, Otober96_38, Gargoyle_38, Convict_38, Den3_38, Thompsone_38, Knox_38, Phireproof_38, Lovelyunicorn_38
- Track 9 : BigRedClifford_38, Blage_38, Teagan_38
- Track 10 : McGalleon_40
- Track 11 : Hamlet_37, PhillyPhantom_37, Leafus_37
- Track 12 : Peppino_37, Raccoon_37, BeeBee8_38, Schnapsidee_37
- Track 13 : Aleyra_38, Agente005_38
- Track 14 : Anilorac_37
- Track 15 : Redfield_37
- Track 16 : Antoinette_38
- Track 17 : JasonD_40
- Track 18 : Endor_38
- Track 19 : HavenFinLeoSun_39
- Track 20 : KingJulien_37, Etna_37, Soror1_37, Stormbreaker8_37
- Track 21 : Vispistious_38

- Track 22 : CarisSwetlik_40, Jenos_41
- Track 23 : Acosta_39
- Track 24 : Greys_38
- Track 25 : Balsa_37
- Track 26 : MonChoix_36
- Track 27 : FarmerDoug_37
- Track 28 : YuuY_36
- Track 29 : Fabyndrax_35, Cidela_35
- Track 30 : Mandalorian_35, Quartz_36, Nucci_35
- Track 31 : Juanyo_36
- Track 32 : HairyMan_34
- Track 33 : MiniVolent_35
- Track 34 : Carostasia_35
- Track 35 : Scissor2024_36, Schimmels22_36
- Track 36 : Ixel_36
- Track 37 : WestPM_34
- Track 38 : Tinyman4_36, HerculesXL_36
- Track 39 : Kavo_35
- Track 40 : Penta_34
- Track 41 : ColaCorta_37, ChikPic_37, Eleri_37, Orpington_38, Shamu_37, Xebius_37, Saratos_37, PSirce_37
- Track 42 : Sansa_36
- Track 43 : Finny_37, MCubed_37, Zenitsu_37
- Track 44 : Andromedas_37, Glamour_36
- Track 45 : Phanita_37
- Track 46 : Casey_34, Pajaza_34, Pikmin_34
- Track 47 : Jingles_36, BouleyBill_35
- Track 48 : Koji_36
- Track 49 : Sinatra_36, Bustleton_36, Pherbot_36
- Track 50 : Guetzie_36, SirVictor_36
- Track 51 : PrincePhergus_36
- Track 52 : RenegadeRaider_37
- Track 53 : Golden_36, Lucky3_36
- Track 54 : Kauala_36
- Track 55 : QuadZero_35, Vafari_36
- Track 56 : Librie_35, Zepp_36, Zayuliv_35, Wardwill_37, CaptainRex_35, Fulton_35, BaronJohn_35, Hasitha_35
- Track 57 : Alakazam_36
- Track 58 : LilTerminator_35
- Track 59 : GreenIvy_35
- Track 60 : Clock_35, Nebulous_35
- Track 61 : Neferthena_35
- Track 62 : TwoBits_35
- Track 63 : Chepli_38, KatChan_38, Luna18_38
- Track 64 : WilliamStrong_36
- Track 65 : Jemerald_39, Juicer_39
- Track 66 : Morigan_38
- Track 67 : Schubert_35
- Track 68 : Cheeto1_38, ChickenKing_37
- Track 69 : GaeCeo_38
- Track 70 : Leaf_120, Dewdrop_120
- Track 71 : Hendrix_119
- Track 72 : Rasputia_115

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

The start number called the most often in the published annotations is 29, it was called in 143 of the 205 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acosta_39, Agente005_38, AlexAdler_38, Aleyra_38, Alyxandracam_38, Anilorac_37, Antoinette_38, AranulaLuti_37, Asta_37, Aubergine_37, AxiPup_38, Baines_37, Bandik_38, BeautPeep30_38, BeeBee8_38, Benjalauren_38, BigRedClifford_38, Blage_38, BonesMcCoy_38, Bonino_37, Byron23_38, Calix_37, CarisSwetlik_40, Casey_34, Chako_37, Chamuel_37, Cheeto1_38, ChickenKing_37, Christoph_37, Cidela_35, Clancy_37, Convict_38, CoraRita_37, Dave_38, Delphidian_38, Den3_38, Dothraki_38, Duocatuli_37, Erla_37, Espinosa_37, Etna_37, Etta_37, Exploradora_37, Fabyndrax_35, FarmerDoug_37, Figueroism_38, GaeCeo_38, GardenB_37, Garey24_37, Gargoyle_38, Gelo_37, Gershwin_37, GoingMerry_38, GoneGirl_38, Gubbabump_37, Guetzie_36, Hamlet_37, HanSolo_37, HankSprout_38, HavenFinLeoSun_39, HerculesXL_36, HungryHenry_37, Ilzat_37, Inventa_38, Ioannes_38, Janus167_37, JasonD_40, JasperRussell_37, Jenos_41, Jerbirus_38, JeriBeth_37, Juanyo_36, Kale_37, KannH_37, Kavo_35, KellyGreen_38, KingJulien_37, Klimt_37, Knox_38, Kouch_37, Kurt1_38, Leafus_37, Lovelyunicorn_38, Ludgate_38, MaeLinda_38, ManRay_37, Martin_39, McGalleon_40, Merida02_39, MillyPhilly_38, MiniVolent_35, MonChoix_36, MrWorldwide_38, Nagem_38, Nattles_37, NickSell_38, Oats_37, OldNelly_38, Oxtobor96_38, Pajaza_34, Papafritta_37, ParleG_38, Peep_38, Penta_34, Peppino_37, Pherferi_38, Phiderman_38, PhillyPhantom_37, Phireproof_38, PhredFlintston_38, Phriends_38, Pikmin_34, Pocket_37, PuppyEggo_38, Raccoon_37, Rapheph_38, Raptor_38, Redfield_37, Renzie_38, Riyhil_38, Robinson_38, Rog141_37, RosieMae_37, SJay_38, Schimmels22_36, Schnapsidee_37, Schubert_35, Scissor2024_36, Sedgewig_37, ShaiHulud_38, Shee_38, SirVictor_36, SoilGremlin_38, SolidSnake_39, SonOfLevi_37, Soror1_37, Stanktossa_38, StingRay_37, StirfryIV_37, Stormbreaker8_37, Strathdee_38, Superfresh_38, Symere_37, TatarkaPM_38, Teagan_38, TeddyBear_37, Tenda_37, Thompsons_38, Thorongil_38, TinSulphur_38, Tinyman4_36, Velene_38, WestPM_34, WildNOut_38, Winzigespinne_37, Zada_38,

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

- Balsa_37, Endor_38, Greys_38, HairyMan_34, Jemerald_39, Juicer_39, Vispitious_38, YuuY_36,

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

- Alakazam_36, Andromedas_37, BaronJohn_35, BouleyBill_35, Bustleton_36, CaptainRex_35, Carostasia_35, Chepli_38, ChikPic_37, Clock_35, ColaCorta_37, Dewdrop_120, Eleri_37, Finny_37, Fulton_35, Glamour_36, Golden_36, Greenlvy_35, Hasitha_35, Hendrix_119, Ixel_36, Jingles_36, KatChan_38, Kauala_36, Koji_36, Leaf_120, Librie_35, LilTerminator_35, Lucky3_36, Luna18_38, MCubed_37, Mandalorian_35, Mercedes_32, Morigan_38, Nebulous_35, Neferthena_35, Nucci_35, Orpington_38, PSirce_37, Phanita_37, Pherbot_36, PrincePhergus_36, QuadZero_35, Quartz_36, Rasputia_115, RenegadeRaider_37, Sansa_36, Saratos_37, Shamu_37, Sinatra_36, TwoBits_35, Vafari_36, Wardwill_37,

WilliamStrong_36, Xebius_37, Zayuliv_35, Zenitsu_37, Zepp_36,

Summary by start number:

Start 12:

- Found in 2 of 222 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 205
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dewdrop_120 (GC), Leaf_120 (GC),

Start 13:

- Found in 2 of 222 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 205
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hendrix_119 (GC), Rasputia_115 (GC),

Start 25:

- Found in 15 of 222 (6.8%) of genes in pham
- Manual Annotations of this start: 3 of 205
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Andromedas_37 (EA2), Glamour_36 (EA2), Phanita_37 (EA2),

Start 28:

- Found in 149 of 222 (67.1%) of genes in pham
- Manual Annotations of this start: 16 of 205
- Called 10.7% of time when present
- Phage (with cluster) where this start called: Balsa_37 (EA1), BouleyBill_35 (EA4), Bustleton_36 (EA4), Endor_38 (EA1), Golden_36 (EA4), Greys_38 (EA1), HairyMan_34 (EA10), Jingles_36 (EA4), Kauaia_36 (EA4), Koji_36 (EA4), Lucky3_36 (EA4), Pherbot_36 (EA4), PrincePhergus_36 (EA4), Sinatra_36 (EA4), Vispistious_38 (EA1), YuuY_36 (EA10),

Start 29:

- Found in 164 of 222 (73.9%) of genes in pham
- Manual Annotations of this start: 143 of 205
- Called 95.1% of time when present
- Phage (with cluster) where this start called: Acosta_39 (EA1), Agente005_38 (EA1), AlexAdler_38 (EA1), Aleyra_38 (EA1), Alyxandracam_38 (EA1), Anilorac_37 (EA1), Antoinette_38 (EA1), AranulaLuti_37 (EA1), Asta_37 (EA1), Aubergine_37 (EA1), AxiPup_38 (EA1), Baines_37 (EA1), Bandik_38 (EA1), BeautPeep30_38 (EA1), BeeBee8_38 (EA1), Benjalauren_38 (EA1), BigRedClifford_38 (EA1), Blage_38 (EA1), BonesMcCoy_38 (EA1), Bonino_37 (EA1), Byron23_38 (EA1), Calix_37 (EA1), CarisSwetlik_40 (EA1), Casey_34 (EA3), Chako_37 (EA1), Chamuel_37 (EA1), Cheeto1_38 (EA9), ChickenKing_37 (EA9), Christoph_37 (EA1), Cidela_35 (EA10), Clancy_37 (EA1), Convict_38 (EA1), CoraRita_37 (EA1), Dave_38 (EA1), Delphidian_38 (EA1), Den3_38 (EA1), Dothraki_38 (EA1), Duocatuli_37 (EA1), Erla_37 (EA1), Espinosa_37 (EA1), Etna_37 (EA1), Etta_37 (EA1), Exploradora_37 (EA1), Fabyndrax_35 (EA10), FarmerDoug_37 (EA1), Figueroism_38 (EA1), GaeCeo_38 (EA9), GardenB_37 (EA1), Garey24_37 (EA1), Gargoyle_38 (EA1), Gelo_37 (EA1), Gershwin_37 (EA1), GoingMerry_38 (EA1), GoneGirl_38 (EA1), Gubbabump_37 (EA1), Guetzie_36 (EA4), Hamlet_37 (EA1), HanSolo_37 (EA1), HankSprout_38 (EA1), HavenFinLeoSun_39 (EA1), HerculesXL_36 (EA11),

HungryHenry_37 (EA1), Ilzat_37 (EA1), Inventa_38 (EA1), Ioannes_38 (EA1), Janus167_37 (EA1), JasonD_40 (EA1), JasperRussell_37 (EA1), Jenos_41 (EA1), Jerbirus_38 (EA1), JeriBeth_37 (EA1), Juanyo_36 (EA10), Kale_37 (EA1), KannH_37 (EA1), Kavo_35 (EA11), KellyGreen_38 (EA1), KingJulien_37 (EA1), Klimt_37 (EA1), Knox_38 (EA1), Kouch_37 (EA1), Kurt1_38 (EA1), Leafus_37 (EA1), Lovelyunicorn_38 (EA1), Ludgate_38 (EA1), MaeLinda_38 (EA1), ManRay_37 (EA1), Martin_39 (EA1), McGalleon_40 (EA1), Merida02_39 (EA1), MillyPhilly_38 (EA1), MiniVolent_35 (EA10), MonChoix_36 (EA1), MrWorldwide_38 (EA1), Nagem_38 (EA1), Nattles_37 (EA1), NickSell_38 (EA1), Oats_37 (EA1), OldNelly_38 (EA1), Oxtober96_38 (EA1), Pajaza_34 (EA3), Papafritta_37 (EA1), ParleG_38 (EA1), Peep_38 (EA1), Penta_34 (EA11), Peppino_37 (EA1), Pherferi_38 (EA1), Phiderman_38 (EA1), PhillyPhantom_37 (EA1), Phireproof_38 (EA1), PhredFlintston_38 (EA1), Phriends_38 (EA1), Pikmin_34 (EA3), Pocket_37 (EA1), PuppyEggo_38 (EA1), Raccoon_37 (EA1), Rapheph_38 (EA1), Raptor_38 (EA1), Redfield_37 (EA1), Renzie_38 (EA1), Riyhil_38 (EA1), Robinson_38 (EA1), Rog141_37 (EA1), RosieMae_37 (EA1), SJay_38 (EA1), Schimmels22_36 (EA11), Schnapsidee_37 (EA1), Schubert_35 (EA8), Scissor2024_36 (EA11), Sedgewig_37 (EA1), ShaiHulud_38 (EA1), Shee_38 (EA1), SirVictor_36 (EA4), SoilGremlin_38 (EA1), SolidSnake_39 (EA1), SonOfLevi_37 (EA1), Soror1_37 (EA1), Stanktossa_38 (EA1), StingRay_37 (EA1), StirfryIV_37 (EA1), Stormbreaker8_37 (EA1), Strathdee_38 (EA1), Superfresh_38 (EA1), Symere_37 (EA1), TatarkaPM_38 (EA1), Teagan_38 (EA1), TeddyBear_37 (EA1), Tenda_37 (EA1), Thompsone_38 (EA1), Thorongil_38 (EA1), TinSulphur_38 (EA1), Tinyman4_36 (EA11), Velene_38 (EA1), WestPM_34 (EA11), WildNOOut_38 (EA1), Winzigespinne_37 (EA1), Zada_38 (EA1),

Start 30:

- Found in 43 of 222 (19.4%) of genes in pham
- Manual Annotations of this start: 37 of 205
- Called 93.0% of time when present
- Phage (with cluster) where this start called: Alakazam_36 (EA5), BaronJohn_35 (EA5), CaptainRex_35 (EA5), Carostasia_35 (EA10), Chepli_38 (EA6), ChikPic_37 (EA2), Clock_35 (EA5), ColaCorta_37 (EA2), Eleri_37 (EA2), Finny_37 (EA2), Fulton_35 (EA5), Greenlvy_35 (EA5), Hasitha_35 (EA5), Ixel_36 (EA11), KatChan_38 (EA6), Librie_35 (EA5), LilTerminator_35 (EA5), Luna18_38 (EA6), MCubed_37 (EA2), Mandalorian_35 (EA10), Mercedes_32 (EA), Morrigan_38 (EA6), Nebulous_35 (EA5), Neferthena_35 (EA5), Nucci_35 (EA10), Orpington_38 (EA2), PSirce_37 (EA2), QuadZero_35 (EA5), Quartz_36 (EA10), Sansa_36 (EA2), Saratos_37 (EA2), Shamu_37 (EA2), TwoBits_35 (EA5), Vafari_36 (EA5), Wardwill_37 (EA5), WilliamStrong_36 (EA6), Xebius_37 (EA2), Zayuliv_35 (EA5), Zenitsu_37 (EA2), Zepp_36 (EA5),

Start 31:

- Found in 2 of 222 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 205
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jemerald_39 (EA6), Juicer_39 (EA6),

Start 32:

- Found in 1 of 222 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RenegadeRaider_37 (EA4),

Summary by clusters:

There are 12 clusters represented in this pham: EA11, EA10, EA, EA9, EA8, GC, EA1, EA3, EA2, EA5, EA4, EA6,

Info for manual annotations of cluster EA:

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

Info for manual annotations of cluster EA1:

- Start number 28 was manually annotated 4 times for cluster EA1.
- Start number 29 was manually annotated 128 times for cluster EA1.

Info for manual annotations of cluster EA10:

- Start number 28 was manually annotated 2 times for cluster EA10.
- Start number 29 was manually annotated 1 time for cluster EA10.
- Start number 30 was manually annotated 4 times for cluster EA10.

Info for manual annotations of cluster EA11:

- Start number 29 was manually annotated 5 times for cluster EA11.
- Start number 30 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA2:

- Start number 25 was manually annotated 3 times for cluster EA2.
- Start number 30 was manually annotated 10 times for cluster EA2.

Info for manual annotations of cluster EA3:

- Start number 29 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 28 was manually annotated 10 times for cluster EA4.
- Start number 29 was manually annotated 2 times for cluster EA4.

Info for manual annotations of cluster EA5:

- Start number 30 was manually annotated 16 times for cluster EA5.

Info for manual annotations of cluster EA6:

- Start number 30 was manually annotated 5 times for cluster EA6.
- Start number 31 was manually annotated 2 times for cluster EA6.

Info for manual annotations of cluster EA8:

- Start number 29 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:

- Start number 29 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster GC:

- Start number 12 was manually annotated 2 times for cluster GC.
- Start number 13 was manually annotated 2 times for cluster GC.

Gene Information:

Gene: Acosta_39 Start: 27483, Stop: 26302, Start Num: 29

Candidate Starts for Acosta_39:

(16, 27552), (Start: 28 @27492 has 16 MA's), (Start: 29 @27483 has 143 MA's), (40, 27354), (61, 27138), (71, 27045), (72, 27030), (89, 26787), (91, 26751), (94, 26721), (96, 26691), (97, 26688), (99, 26679), (111, 26565), (115, 26520), (121, 26436), (125, 26361),

Gene: Agente005_38 Start: 27312, Stop: 26134, Start Num: 29

Candidate Starts for Agente005_38:

(16, 27381), (Start: 28 @27321 has 16 MA's), (Start: 29 @27312 has 143 MA's), (40, 27186), (41, 27183), (62, 26952), (65, 26934), (71, 26877), (72, 26862), (89, 26619), (91, 26583), (94, 26553), (96, 26523), (97, 26520), (111, 26397), (119, 26301), (121, 26268),

Gene: Alakazam_36 Start: 26644, Stop: 25469, Start Num: 30

Candidate Starts for Alakazam_36:

(6, 26788), (17, 26716), (18, 26710), (Start: 30 @26644 has 37 MA's), (40, 26530), (58, 26344), (69, 26236), (70, 26224), (71, 26212), (72, 26197), (76, 26146), (83, 26056), (97, 25855), (103, 25795), (106, 25780), (121, 25603), (123, 25567),

Gene: AlexAdler_38 Start: 27073, Stop: 25898, Start Num: 29

Candidate Starts for AlexAdler_38:

(8, 27193), (16, 27142), (Start: 28 @27082 has 16 MA's), (Start: 29 @27073 has 143 MA's), (40, 26950), (42, 26935), (65, 26698), (71, 26641), (72, 26626), (91, 26347), (94, 26317), (96, 26287), (97, 26284), (109, 26179), (111, 26161), (113, 26149), (115, 26116), (119, 26065), (121, 26032),

Gene: Aleyra_38 Start: 27317, Stop: 26139, Start Num: 29

Candidate Starts for Aleyra_38:

(16, 27386), (Start: 28 @27326 has 16 MA's), (Start: 29 @27317 has 143 MA's), (40, 27191), (41, 27188), (62, 26957), (65, 26939), (71, 26882), (72, 26867), (89, 26624), (91, 26588), (94, 26558), (96, 26528), (97, 26525), (111, 26402), (119, 26306), (121, 26273),

Gene: Alyxandracam_38 Start: 27083, Stop: 25908, Start Num: 29

Candidate Starts for Alyxandracam_38:

(8, 27203), (16, 27152), (Start: 28 @27092 has 16 MA's), (Start: 29 @27083 has 143 MA's), (40, 26960), (42, 26945), (51, 26858), (65, 26708), (71, 26651), (91, 26357), (94, 26327), (96, 26297), (97, 26294), (109, 26189), (111, 26171), (113, 26159), (115, 26126), (119, 26075), (121, 26042),

Gene: Andromedas_37 Start: 26832, Stop: 25642, Start Num: 25

Candidate Starts for Andromedas_37:

(24, 26841), (Start: 25 @26832 has 3 MA's), (Start: 30 @26805 has 37 MA's), (40, 26694), (41, 26691), (47, 26646), (62, 26460), (67, 26427), (69, 26409), (71, 26385), (72, 26370), (76, 26319), (83, 26229), (91, 26091), (94, 26061), (96, 26031), (100, 26004), (112, 25902), (119, 25809), (121, 25776), (122, 25752), (123, 25740),

Gene: Anilorac_37 Start: 27156, Stop: 25978, Start Num: 29

Candidate Starts for Anilorac_37:

(15, 27228), (16, 27225), (Start: 28 @27165 has 16 MA's), (Start: 29 @27156 has 143 MA's), (40, 27030), (41, 27027), (62, 26796), (65, 26778), (71, 26721), (72, 26706), (89, 26463), (91, 26427), (94, 26397), (96, 26367), (97, 26364), (111, 26241), (119, 26145), (121, 26112),

Gene: Antoinette_38 Start: 27070, Stop: 25895, Start Num: 29

Candidate Starts for Antoinette_38:

(8, 27190), (16, 27139), (Start: 28 @27079 has 16 MA's), (Start: 29 @27070 has 143 MA's), (40, 26947), (42, 26932), (71, 26638), (72, 26623), (91, 26344), (94, 26314), (96, 26284), (97, 26281), (109,

26176), (111, 26158), (113, 26146), (115, 26113), (119, 26062), (121, 26029),

Gene: AranulaLuti_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for AranulaLuti_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (51, 26542), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: Asta_37 Start: 26780, Stop: 25605, Start Num: 29

Candidate Starts for Asta_37:

(8, 26900), (16, 26849), (Start: 28 @26789 has 16 MA's), (Start: 29 @26780 has 143 MA's), (40, 26657), (44, 26624), (65, 26405), (71, 26348), (91, 26054), (94, 26024), (96, 25994), (97, 25991), (109, 25886), (111, 25868), (113, 25856), (115, 25823), (119, 25772), (121, 25739),

Gene: Aubergine_37 Start: 26780, Stop: 25605, Start Num: 29

Candidate Starts for Aubergine_37:

(8, 26900), (16, 26849), (Start: 28 @26789 has 16 MA's), (Start: 29 @26780 has 143 MA's), (40, 26657), (42, 26642), (65, 26405), (71, 26348), (72, 26333), (91, 26054), (94, 26024), (96, 25994), (97, 25991), (109, 25886), (111, 25868), (113, 25856), (115, 25823), (119, 25772), (121, 25739),

Gene: AxiPup_38 Start: 27052, Stop: 25877, Start Num: 29

Candidate Starts for AxiPup_38:

(8, 27172), (16, 27121), (Start: 28 @27061 has 16 MA's), (Start: 29 @27052 has 143 MA's), (40, 26929), (42, 26914), (51, 26827), (65, 26677), (71, 26620), (91, 26326), (94, 26296), (96, 26266), (97, 26263), (109, 26158), (111, 26140), (113, 26128), (115, 26095), (119, 26044), (121, 26011),

Gene: Baines_37 Start: 26770, Stop: 25595, Start Num: 29

Candidate Starts for Baines_37:

(8, 26890), (16, 26839), (Start: 28 @26779 has 16 MA's), (Start: 29 @26770 has 143 MA's), (40, 26647), (44, 26614), (65, 26395), (71, 26338), (91, 26044), (94, 26014), (96, 25984), (97, 25981), (109, 25876), (111, 25858), (113, 25846), (115, 25813), (119, 25762), (121, 25729),

Gene: Balsa_37 Start: 27212, Stop: 26025, Start Num: 28

Candidate Starts for Balsa_37:

(15, 27275), (Start: 28 @27212 has 16 MA's), (Start: 29 @27203 has 143 MA's), (40, 27077), (41, 27074), (62, 26843), (71, 26768), (72, 26753), (91, 26474), (94, 26444), (96, 26414), (97, 26411), (111, 26288), (119, 26192), (121, 26159),

Gene: Bandik_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Bandik_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (72, 26631), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: BaronJohn_35 Start: 25562, Stop: 24384, Start Num: 30

Candidate Starts for BaronJohn_35:

(17, 25634), (20, 25619), (Start: 30 @25562 has 37 MA's), (40, 25448), (71, 25130), (72, 25115), (76, 25064), (89, 24872), (91, 24836), (96, 24776), (97, 24773), (106, 24698), (112, 24647), (120, 24542), (123, 24485),

Gene: BeautPeep30_38 Start: 27084, Stop: 25909, Start Num: 29

Candidate Starts for BeautPeep30_38:

(8, 27204), (16, 27153), (Start: 28 @27093 has 16 MA's), (Start: 29 @27084 has 143 MA's), (40, 26961), (51, 26859), (65, 26709), (71, 26652), (91, 26358), (94, 26328), (96, 26298), (97, 26295), (109, 26190), (111, 26172), (113, 26160), (115, 26127), (119, 26076), (121, 26043),

Gene: BeeBee8_38 Start: 27373, Stop: 26195, Start Num: 29

Candidate Starts for BeeBee8_38:

(15, 27445), (Start: 28 @27382 has 16 MA's), (Start: 29 @27373 has 143 MA's), (40, 27247), (41, 27244), (62, 27013), (71, 26938), (72, 26923), (91, 26644), (94, 26614), (96, 26584), (97, 26581), (111, 26458), (119, 26362), (121, 26329),

Gene: Benjalauren_38 Start: 26783, Stop: 25608, Start Num: 29

Candidate Starts for Benjalauren_38:

(8, 26903), (16, 26852), (Start: 28 @26792 has 16 MA's), (Start: 29 @26783 has 143 MA's), (40, 26660), (42, 26645), (51, 26558), (65, 26408), (71, 26351), (72, 26336), (91, 26057), (94, 26027), (96, 25997), (97, 25994), (109, 25889), (111, 25871), (113, 25859), (115, 25826), (119, 25775), (121, 25742),

Gene: BigRedClifford_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for BigRedClifford_38:

(16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (51, 26857), (65, 26707), (71, 26650), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: Blage_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for Blage_38:

(16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (51, 26857), (65, 26707), (71, 26650), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: BonesMcCoy_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for BonesMcCoy_38:

(8, 27202), (16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (51, 26857), (65, 26707), (71, 26650), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: Bonino_37 Start: 26756, Stop: 25581, Start Num: 29

Candidate Starts for Bonino_37:

(8, 26876), (16, 26825), (Start: 28 @26765 has 16 MA's), (Start: 29 @26756 has 143 MA's), (40, 26633), (42, 26618), (65, 26381), (71, 26324), (91, 26030), (94, 26000), (96, 25970), (97, 25967), (109, 25862), (111, 25844), (113, 25832), (115, 25799), (119, 25748), (121, 25715),

Gene: BouleyBill_35 Start: 26662, Stop: 25499, Start Num: 28

Candidate Starts for BouleyBill_35:

(16, 26722), (Start: 28 @26662 has 16 MA's), (38, 26572), (40, 26536), (41, 26533), (62, 26302), (71, 26227), (72, 26212), (75, 26185), (87, 26005), (103, 25825), (106, 25810), (121, 25633), (123, 25597), (125, 25558),

Gene: Bustleton_36 Start: 26665, Stop: 25502, Start Num: 28

Candidate Starts for Bustleton_36:

(16, 26725), (Start: 28 @26665 has 16 MA's), (38, 26575), (40, 26539), (41, 26536), (62, 26305), (71, 26230), (72, 26215), (75, 26188), (87, 26008), (90, 25963), (103, 25828), (106, 25813), (121, 25636), (123, 25600), (125, 25561),

Gene: Byron23_38 Start: 27081, Stop: 25906, Start Num: 29

Candidate Starts for Byron23_38:

(8, 27201), (16, 27150), (Start: 28 @27090 has 16 MA's), (Start: 29 @27081 has 143 MA's), (40, 26958), (42, 26943), (65, 26706), (71, 26649), (72, 26634), (91, 26355), (94, 26325), (96, 26295), (97, 26292), (109, 26187), (111, 26169), (113, 26157), (115, 26124), (119, 26073), (121, 26040),

Gene: Calix_37 Start: 26763, Stop: 25588, Start Num: 29

Candidate Starts for Calix_37:

(8, 26883), (16, 26832), (Start: 28 @26772 has 16 MA's), (Start: 29 @26763 has 143 MA's), (40, 26640), (44, 26607), (65, 26388), (71, 26331), (91, 26037), (94, 26007), (96, 25977), (97, 25974), (109, 25869), (111, 25851), (113, 25839), (115, 25806), (119, 25755), (121, 25722),

Gene: CaptainRex_35 Start: 24974, Stop: 23796, Start Num: 30

Candidate Starts for CaptainRex_35:

(17, 25046), (20, 25031), (Start: 30 @24974 has 37 MA's), (40, 24860), (71, 24542), (72, 24527), (76, 24476), (89, 24284), (91, 24248), (96, 24188), (97, 24185), (106, 24110), (112, 24059), (120, 23954), (123, 23897),

Gene: CarisSwetlik_40 Start: 27982, Stop: 26804, Start Num: 29

Candidate Starts for CarisSwetlik_40:

(15, 28054), (Start: 29 @27982 has 143 MA's), (36, 27919), (40, 27856), (61, 27640), (71, 27547), (72, 27532), (89, 27289), (91, 27253), (94, 27223), (96, 27193), (111, 27067), (115, 27022), (121, 26938), (125, 26863),

Gene: Carostasia_35 Start: 26513, Stop: 25335, Start Num: 30

Candidate Starts for Carostasia_35:

(Start: 30 @26513 has 37 MA's), (39, 26414), (40, 26399), (42, 26384), (63, 26162), (69, 26105), (70, 26093), (71, 26081), (72, 26066), (76, 26015), (91, 25787), (94, 25757), (96, 25727), (97, 25724), (103, 25664), (106, 25649), (112, 25598), (115, 25556), (119, 25505), (121, 25472), (123, 25436),

Gene: Casey_34 Start: 25918, Stop: 24758, Start Num: 29

Candidate Starts for Casey_34:

(16, 25987), (23, 25954), (Start: 29 @25918 has 143 MA's), (37, 25843), (40, 25798), (53, 25684), (60, 25597), (71, 25489), (76, 25423), (96, 25150), (111, 25024), (118, 24961), (119, 24928), (121, 24895), (123, 24859),

Gene: Chako_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for Chako_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (51, 26542), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: Chamuel_37 Start: 26756, Stop: 25581, Start Num: 29

Candidate Starts for Chamuel_37:

(8, 26876), (16, 26825), (Start: 28 @26765 has 16 MA's), (Start: 29 @26756 has 143 MA's), (40, 26633), (44, 26600), (65, 26381), (71, 26324), (91, 26030), (94, 26000), (96, 25970), (97, 25967), (109, 25862), (111, 25844), (113, 25832), (115, 25799), (119, 25748), (121, 25715),

Gene: Cheeto1_38 Start: 27209, Stop: 26040, Start Num: 29

Candidate Starts for Cheeto1_38:

(10, 27317), (15, 27281), (16, 27278), (Start: 29 @27209 has 143 MA's), (40, 27098), (62, 26864), (69, 26813), (72, 26774), (91, 26495), (100, 26408), (111, 26309), (115, 26264), (121, 26180), (122,

26156), (123, 26144), (125, 26105),

Gene: Chepli_38 Start: 26309, Stop: 25146, Start Num: 30

Candidate Starts for Chepli_38:

(Start: 30 @26309 has 37 MA's), (33, 26297), (40, 26198), (41, 26195), (57, 26033), (71, 25889), (72, 25874), (76, 25823), (83, 25733), (91, 25595), (94, 25565), (96, 25535), (103, 25472), (106, 25457), (123, 25244),

Gene: ChickenKing_37 Start: 27122, Stop: 25956, Start Num: 29

Candidate Starts for ChickenKing_37:

(10, 27230), (15, 27194), (16, 27191), (Start: 29 @27122 has 143 MA's), (40, 27011), (62, 26777), (69, 26726), (72, 26687), (91, 26408), (100, 26321), (111, 26222), (115, 26177), (121, 26093), (122, 26069), (123, 26057), (125, 26018),

Gene: ChikPic_37 Start: 26815, Stop: 25652, Start Num: 30

Candidate Starts for ChikPic_37:

(24, 26851), (Start: 25 @26842 has 3 MA's), (Start: 30 @26815 has 37 MA's), (40, 26704), (41, 26701), (47, 26656), (62, 26470), (67, 26437), (69, 26419), (71, 26395), (72, 26380), (76, 26329), (83, 26239), (91, 26101), (94, 26071), (96, 26041), (100, 26014), (112, 25912), (119, 25819), (121, 25786), (122, 25762), (123, 25750),

Gene: Christoph_37 Start: 26778, Stop: 25603, Start Num: 29

Candidate Starts for Christoph_37:

(8, 26898), (16, 26847), (Start: 28 @26787 has 16 MA's), (Start: 29 @26778 has 143 MA's), (40, 26655), (42, 26640), (65, 26403), (71, 26346), (72, 26331), (91, 26052), (94, 26022), (96, 25992), (97, 25989), (109, 25884), (111, 25866), (113, 25854), (115, 25821), (119, 25770), (121, 25737),

Gene: Cidela_35 Start: 27633, Stop: 26440, Start Num: 29

Candidate Starts for Cidela_35:

(15, 27705), (Start: 29 @27633 has 143 MA's), (40, 27504), (70, 27198), (71, 27186), (72, 27171), (76, 27120), (91, 26892), (94, 26862), (96, 26832), (97, 26829), (100, 26805), (106, 26754), (119, 26610), (123, 26541),

Gene: Clancy_37 Start: 26812, Stop: 25637, Start Num: 29

Candidate Starts for Clancy_37:

(8, 26932), (16, 26881), (Start: 28 @26821 has 16 MA's), (Start: 29 @26812 has 143 MA's), (40, 26689), (42, 26674), (51, 26587), (65, 26437), (71, 26380), (72, 26365), (91, 26086), (94, 26056), (96, 26026), (97, 26023), (109, 25918), (111, 25900), (113, 25888), (115, 25855), (119, 25804), (121, 25771),

Gene: Clock_35 Start: 27801, Stop: 26626, Start Num: 30

Candidate Starts for Clock_35:

(6, 27945), (17, 27873), (18, 27867), (Start: 30 @27801 has 37 MA's), (40, 27687), (58, 27501), (71, 27369), (72, 27354), (76, 27303), (83, 27213), (96, 27015), (103, 26952), (119, 26793), (121, 26760), (122, 26736), (125, 26685),

Gene: ColaCorta_37 Start: 26805, Stop: 25642, Start Num: 30

Candidate Starts for ColaCorta_37:

(24, 26841), (Start: 25 @26832 has 3 MA's), (Start: 30 @26805 has 37 MA's), (40, 26694), (41, 26691), (47, 26646), (62, 26460), (67, 26427), (69, 26409), (71, 26385), (72, 26370), (76, 26319), (83, 26229), (91, 26091), (94, 26061), (96, 26031), (100, 26004), (112, 25902), (119, 25809), (121, 25776), (122, 25752), (123, 25740),

Gene: Convict_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for Convict_38:

(8, 27202), (16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (51, 26857), (65, 26707), (71, 26650), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: CoraRita_37 Start: 26782, Stop: 25607, Start Num: 29

Candidate Starts for CoraRita_37:

(8, 26902), (16, 26851), (Start: 28 @26791 has 16 MA's), (Start: 29 @26782 has 143 MA's), (40, 26659), (42, 26644), (51, 26557), (65, 26407), (71, 26350), (72, 26335), (91, 26056), (94, 26026), (96, 25996), (97, 25993), (109, 25888), (111, 25870), (113, 25858), (115, 25825), (119, 25774), (121, 25741),

Gene: Dave_38 Start: 27070, Stop: 25895, Start Num: 29

Candidate Starts for Dave_38:

(8, 27190), (16, 27139), (Start: 28 @27079 has 16 MA's), (Start: 29 @27070 has 143 MA's), (40, 26947), (42, 26932), (65, 26695), (71, 26638), (72, 26623), (91, 26344), (94, 26314), (96, 26284), (97, 26281), (109, 26176), (111, 26158), (113, 26146), (115, 26113), (119, 26062), (121, 26029),

Gene: Delphidian_38 Start: 27081, Stop: 25906, Start Num: 29

Candidate Starts for Delphidian_38:

(8, 27201), (16, 27150), (Start: 28 @27090 has 16 MA's), (Start: 29 @27081 has 143 MA's), (40, 26958), (42, 26943), (65, 26706), (71, 26649), (91, 26355), (94, 26325), (96, 26295), (97, 26292), (109, 26187), (111, 26169), (113, 26157), (115, 26124), (119, 26073), (121, 26040),

Gene: Den3_38 Start: 27087, Stop: 25912, Start Num: 29

Candidate Starts for Den3_38:

(8, 27207), (16, 27156), (Start: 28 @27096 has 16 MA's), (Start: 29 @27087 has 143 MA's), (40, 26964), (51, 26862), (65, 26712), (71, 26655), (91, 26361), (94, 26331), (96, 26301), (97, 26298), (109, 26193), (111, 26175), (113, 26163), (115, 26130), (119, 26079), (121, 26046),

Gene: Dewdrop_120 Start: 73345, Stop: 74688, Start Num: 12

Candidate Starts for Dewdrop_120:

(Start: 12 @73345 has 2 MA's), (21, 73399), (34, 73501), (45, 73612), (46, 73621), (50, 73663), (55, 73696), (56, 73708), (57, 73738), (59, 73762), (64, 73819), (66, 73846), (73, 73909), (74, 73918), (77, 73975), (78, 73978), (80, 74032), (81, 74035), (88, 74137), (104, 74320), (114, 74422), (116, 74431), (117, 74446), (124, 74593), (128, 74659),

Gene: Dothraki_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Dothraki_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (72, 26631), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: Duocatuli_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for Duocatuli_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (51, 26542), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: Eleri_37 Start: 26806, Stop: 25643, Start Num: 30

Candidate Starts for Eleri_37:

(24, 26842), (Start: 25 @26833 has 3 MA's), (Start: 30 @26806 has 37 MA's), (40, 26695), (41, 26692), (47, 26647), (62, 26461), (67, 26428), (69, 26410), (71, 26386), (72, 26371), (76, 26320), (83, 26230), (91, 26092), (94, 26062), (96, 26032), (100, 26005), (112, 25903), (119, 25810), (121, 25777), (122, 25753), (123, 25741),

Gene: Endor_38 Start: 27441, Stop: 26254, Start Num: 28

Candidate Starts for Endor_38:

(15, 27504), (Start: 28 @27441 has 16 MA's), (Start: 29 @27432 has 143 MA's), (40, 27306), (41, 27303), (62, 27072), (65, 27054), (71, 26997), (72, 26982), (89, 26739), (91, 26703), (96, 26643), (97, 26640), (98, 26634), (111, 26517), (119, 26421), (121, 26388),

Gene: Erla_37 Start: 26760, Stop: 25585, Start Num: 29

Candidate Starts for Erla_37:

(8, 26880), (16, 26829), (Start: 28 @26769 has 16 MA's), (Start: 29 @26760 has 143 MA's), (40, 26637), (44, 26604), (65, 26385), (71, 26328), (91, 26034), (94, 26004), (96, 25974), (97, 25971), (109, 25866), (111, 25848), (113, 25836), (115, 25803), (119, 25752), (121, 25719),

Gene: Espinosa_37 Start: 26778, Stop: 25603, Start Num: 29

Candidate Starts for Espinosa_37:

(8, 26898), (16, 26847), (Start: 28 @26787 has 16 MA's), (Start: 29 @26778 has 143 MA's), (40, 26655), (42, 26640), (65, 26403), (71, 26346), (72, 26331), (91, 26052), (94, 26022), (96, 25992), (97, 25989), (109, 25884), (111, 25866), (113, 25854), (115, 25821), (119, 25770), (121, 25737),

Gene: Etna_37 Start: 27214, Stop: 26036, Start Num: 29

Candidate Starts for Etna_37:

(15, 27286), (Start: 28 @27223 has 16 MA's), (Start: 29 @27214 has 143 MA's), (40, 27088), (41, 27085), (62, 26854), (71, 26779), (72, 26764), (91, 26485), (96, 26425), (97, 26422), (111, 26299), (119, 26203), (121, 26170),

Gene: Etta_37 Start: 26764, Stop: 25589, Start Num: 29

Candidate Starts for Etta_37:

(8, 26884), (16, 26833), (Start: 28 @26773 has 16 MA's), (Start: 29 @26764 has 143 MA's), (40, 26641), (44, 26608), (65, 26389), (71, 26332), (91, 26038), (94, 26008), (96, 25978), (97, 25975), (109, 25870), (111, 25852), (113, 25840), (115, 25807), (119, 25756), (121, 25723),

Gene: Exploradora_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for Exploradora_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (44, 26611), (65, 26392), (71, 26335), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: Fabyndrax_35 Start: 27633, Stop: 26440, Start Num: 29

Candidate Starts for Fabyndrax_35:

(15, 27705), (Start: 29 @27633 has 143 MA's), (40, 27504), (70, 27198), (71, 27186), (72, 27171), (76, 27120), (91, 26892), (94, 26862), (96, 26832), (97, 26829), (100, 26805), (106, 26754), (119, 26610), (123, 26541),

Gene: FarmerDoug_37 Start: 27063, Stop: 25885, Start Num: 29

Candidate Starts for FarmerDoug_37:

(14, 27141), (15, 27135), (Start: 29 @27063 has 143 MA's), (40, 26937), (41, 26934), (62, 26703), (71, 26628), (72, 26613), (75, 26586), (91, 26334), (94, 26304), (96, 26274), (97, 26271), (111, 26148), (119, 26052), (121, 26019),

Gene: Figueroism_38 Start: 27072, Stop: 25897, Start Num: 29

Candidate Starts for Figueroism_38:

(8, 27192), (16, 27141), (Start: 28 @27081 has 16 MA's), (Start: 29 @27072 has 143 MA's), (40, 26949), (42, 26934), (51, 26847), (65, 26697), (71, 26640), (72, 26625), (91, 26346), (94, 26316), (96, 26286), (97, 26283), (109, 26178), (111, 26160), (113, 26148), (115, 26115), (119, 26064), (121, 26031),

Gene: Finny_37 Start: 26846, Stop: 25683, Start Num: 30

Candidate Starts for Finny_37:

(24, 26882), (Start: 25 @26873 has 3 MA's), (Start: 30 @26846 has 37 MA's), (40, 26735), (47, 26687), (62, 26501), (67, 26468), (69, 26450), (71, 26426), (72, 26411), (76, 26360), (83, 26270), (91, 26132), (94, 26102), (96, 26072), (97, 26069), (100, 26045), (112, 25943), (119, 25850), (121, 25817), (122, 25793), (123, 25781),

Gene: Fulton_35 Start: 24975, Stop: 23797, Start Num: 30

Candidate Starts for Fulton_35:

(17, 25047), (20, 25032), (Start: 30 @24975 has 37 MA's), (40, 24861), (71, 24543), (72, 24528), (76, 24477), (89, 24285), (91, 24249), (96, 24189), (97, 24186), (106, 24111), (112, 24060), (120, 23955), (123, 23898),

Gene: GaeCeo_38 Start: 27355, Stop: 26189, Start Num: 29

Candidate Starts for GaeCeo_38:

(10, 27463), (15, 27427), (16, 27424), (Start: 28 @27364 has 16 MA's), (Start: 29 @27355 has 143 MA's), (40, 27244), (62, 27010), (69, 26959), (91, 26641), (100, 26554), (111, 26455), (115, 26410), (121, 26326), (122, 26302), (123, 26290), (125, 26251),

Gene: GardenB_37 Start: 27181, Stop: 26003, Start Num: 29

Candidate Starts for GardenB_37:

(15, 27253), (Start: 28 @27190 has 16 MA's), (Start: 29 @27181 has 143 MA's), (40, 27055), (41, 27052), (62, 26821), (71, 26746), (72, 26731), (89, 26488), (91, 26452), (94, 26422), (97, 26389), (111, 26266), (119, 26170), (121, 26137),

Gene: Garey24_37 Start: 26746, Stop: 25571, Start Num: 29

Candidate Starts for Garey24_37:

(8, 26866), (16, 26815), (Start: 28 @26755 has 16 MA's), (Start: 29 @26746 has 143 MA's), (40, 26623), (42, 26608), (65, 26371), (71, 26314), (91, 26020), (94, 25990), (96, 25960), (97, 25957), (109, 25852), (111, 25834), (113, 25822), (115, 25789), (119, 25738), (121, 25705),

Gene: Gargoyle_38 Start: 27087, Stop: 25912, Start Num: 29

Candidate Starts for Gargoyle_38:

(8, 27207), (16, 27156), (Start: 28 @27096 has 16 MA's), (Start: 29 @27087 has 143 MA's), (40, 26964), (51, 26862), (65, 26712), (71, 26655), (91, 26361), (94, 26331), (96, 26301), (97, 26298), (109, 26193), (111, 26175), (113, 26163), (115, 26130), (119, 26079), (121, 26046),

Gene: Gelo_37 Start: 26770, Stop: 25595, Start Num: 29

Candidate Starts for Gelo_37:

(8, 26890), (16, 26839), (Start: 28 @26779 has 16 MA's), (Start: 29 @26770 has 143 MA's), (40, 26647), (44, 26614), (65, 26395), (71, 26338), (91, 26044), (94, 26014), (96, 25984), (97, 25981), (109, 25876), (111, 25858), (113, 25846), (115, 25813), (119, 25762), (121, 25729),

Gene: Gershwin_37 Start: 26780, Stop: 25605, Start Num: 29

Candidate Starts for Gershwin_37:

(8, 26900), (16, 26849), (Start: 28 @26789 has 16 MA's), (Start: 29 @26780 has 143 MA's), (40, 26657), (44, 26624), (65, 26405), (71, 26348), (91, 26054), (94, 26024), (96, 25994), (97, 25991), (109, 25886), (111, 25868), (113, 25856), (115, 25823), (119, 25772), (121, 25739),

Gene: Glamour_36 Start: 26824, Stop: 25634, Start Num: 25

Candidate Starts for Glamour_36:

(24, 26833), (Start: 25 @26824 has 3 MA's), (Start: 30 @26797 has 37 MA's), (40, 26686), (41, 26683), (47, 26638), (62, 26452), (67, 26419), (69, 26401), (71, 26377), (72, 26362), (76, 26311), (83, 26221), (91, 26083), (94, 26053), (96, 26023), (100, 25996), (112, 25894), (119, 25801), (121, 25768), (122, 25744), (123, 25732),

Gene: GoingMerry_38 Start: 27092, Stop: 25917, Start Num: 29

Candidate Starts for GoingMerry_38:

(8, 27212), (16, 27161), (Start: 28 @27101 has 16 MA's), (Start: 29 @27092 has 143 MA's), (40, 26969), (51, 26867), (65, 26717), (71, 26660), (91, 26366), (94, 26336), (96, 26306), (97, 26303), (109, 26198), (111, 26180), (113, 26168), (115, 26135), (119, 26084), (121, 26051),

Gene: Golden_36 Start: 26754, Stop: 25594, Start Num: 28

Candidate Starts for Golden_36:

(15, 26817), (16, 26814), (Start: 28 @26754 has 16 MA's), (40, 26634), (41, 26631), (62, 26400), (72, 26310), (75, 26283), (103, 25923), (106, 25908), (112, 25857), (121, 25731), (122, 25707), (123, 25695),

Gene: GoneGirl_38 Start: 27174, Stop: 25996, Start Num: 29

Candidate Starts for GoneGirl_38:

(15, 27246), (Start: 28 @27183 has 16 MA's), (Start: 29 @27174 has 143 MA's), (40, 27048), (41, 27045), (62, 26814), (71, 26739), (72, 26724), (89, 26481), (91, 26445), (94, 26415), (97, 26382), (111, 26259), (119, 26163), (121, 26130),

Gene: Greenlvy_35 Start: 25564, Stop: 24386, Start Num: 30

Candidate Starts for Greenlvy_35:

(17, 25636), (18, 25630), (20, 25621), (Start: 30 @25564 has 37 MA's), (40, 25450), (71, 25132), (72, 25117), (76, 25066), (89, 24874), (91, 24838), (96, 24778), (97, 24775), (106, 24700), (112, 24649), (120, 24544), (123, 24487),

Gene: Greys_38 Start: 27089, Stop: 25905, Start Num: 28

Candidate Starts for Greys_38:

(8, 27200), (16, 27149), (Start: 28 @27089 has 16 MA's), (Start: 29 @27080 has 143 MA's), (40, 26957), (51, 26855), (65, 26705), (71, 26648), (91, 26354), (94, 26324), (96, 26294), (97, 26291), (109, 26186), (111, 26168), (113, 26156), (115, 26123), (119, 26072), (121, 26039),

Gene: Gubbabump_37 Start: 26760, Stop: 25585, Start Num: 29

Candidate Starts for Gubbabump_37:

(8, 26880), (16, 26829), (Start: 28 @26769 has 16 MA's), (Start: 29 @26760 has 143 MA's), (40, 26637), (42, 26622), (51, 26535), (65, 26385), (71, 26328), (72, 26313), (91, 26034), (94, 26004), (96, 25974), (97, 25971), (109, 25866), (111, 25848), (113, 25836), (115, 25803), (119, 25752), (121, 25719),

Gene: Guetzie_36 Start: 26730, Stop: 25579, Start Num: 29

Candidate Starts for Guetzie_36:

(15, 26802), (16, 26799), (Start: 28 @26739 has 16 MA's), (Start: 29 @26730 has 143 MA's), (40, 26619), (41, 26616), (62, 26385), (70, 26322), (72, 26295), (75, 26268), (103, 25908), (106, 25893), (112, 25842), (121, 25716), (122, 25692), (123, 25680),

Gene: HairyMan_34 Start: 26176, Stop: 24935, Start Num: 28

Candidate Starts for HairyMan_34:

(5, 26302), (10, 26275), (15, 26239), (27, 26179), (Start: 28 @26176 has 16 MA's), (Start: 29 @26167 has 143 MA's), (40, 25987), (57, 25822), (69, 25702), (71, 25678), (72, 25663), (91, 25384), (96, 25324), (106, 25246), (107, 25240), (121, 25069), (123, 25033), (125, 24994),

Gene: Hamlet_37 Start: 27212, Stop: 26034, Start Num: 29

Candidate Starts for Hamlet_37:

(15, 27284), (Start: 29 @27212 has 143 MA's), (40, 27086), (41, 27083), (60, 26885), (62, 26852), (71, 26777), (72, 26762), (91, 26483), (96, 26423), (97, 26420), (98, 26414), (111, 26297), (119, 26201), (121, 26168),

Gene: HanSolo_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for HanSolo_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (51, 26542), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: HankSprout_38 Start: 26647, Stop: 25472, Start Num: 29

Candidate Starts for HankSprout_38:

(8, 26767), (16, 26716), (Start: 28 @26656 has 16 MA's), (Start: 29 @26647 has 143 MA's), (40, 26524), (42, 26509), (51, 26422), (65, 26272), (71, 26215), (72, 26200), (91, 25921), (94, 25891), (96, 25861), (97, 25858), (109, 25753), (111, 25735), (113, 25723), (115, 25690), (119, 25639), (121, 25606),

Gene: Hasitha_35 Start: 24987, Stop: 23809, Start Num: 30

Candidate Starts for Hasitha_35:

(17, 25059), (20, 25044), (Start: 30 @24987 has 37 MA's), (40, 24873), (71, 24555), (72, 24540), (76, 24489), (89, 24297), (91, 24261), (96, 24201), (97, 24198), (106, 24123), (112, 24072), (120, 23967), (123, 23910),

Gene: HavenFinLeoSun_39 Start: 27428, Stop: 26247, Start Num: 29

Candidate Starts for HavenFinLeoSun_39:

(16, 27497), (Start: 28 @27437 has 16 MA's), (Start: 29 @27428 has 143 MA's), (40, 27299), (41, 27296), (61, 27083), (71, 26990), (72, 26975), (89, 26732), (91, 26696), (94, 26666), (96, 26636), (97, 26633), (99, 26624), (111, 26510), (121, 26381), (125, 26306),

Gene: Hendrix_119 Start: 74888, Stop: 76246, Start Num: 13

Candidate Starts for Hendrix_119:

(Start: 13 @74888 has 2 MA's), (26, 74960), (34, 75035), (35, 75044), (49, 75185), (50, 75209), (52, 75224), (53, 75230), (54, 75239), (66, 75392), (74, 75464), (78, 75524), (79, 75557), (80, 75578), (81, 75581), (84, 75614), (85, 75650), (86, 75659), (88, 75683), (92, 75749), (102, 75836), (117, 75992), (124, 76139), (126, 76172), (127, 76187), (128, 76205),

Gene: HerculesXL_36 Start: 25428, Stop: 24247, Start Num: 29

Candidate Starts for HerculesXL_36:

(1, 25644), (4, 25581), (9, 25536), (15, 25500), (Start: 29 @25428 has 143 MA's), (40, 25299), (47, 25251), (67, 25032), (68, 25020), (69, 25014), (71, 24990), (72, 24975), (76, 24924), (83, 24834), (94, 24666), (95, 24648), (98, 24627), (112, 24507), (115, 24465), (119, 24414), (121, 24381), (122, 24357), (123, 24345),

Gene: HungryHenry_37 Start: 26772, Stop: 25597, Start Num: 29

Candidate Starts for HungryHenry_37:

(8, 26892), (16, 26841), (Start: 28 @26781 has 16 MA's), (Start: 29 @26772 has 143 MA's), (40, 26649), (42, 26634), (51, 26547), (65, 26397), (71, 26340), (72, 26325), (91, 26046), (94, 26016), (96, 25986), (97, 25983), (109, 25878), (111, 25860), (113, 25848), (115, 25815), (119, 25764), (121, 25731),

Gene: Ilzat_37 Start: 26783, Stop: 25608, Start Num: 29

Candidate Starts for Ilzat_37:

(8, 26903), (16, 26852), (Start: 28 @26792 has 16 MA's), (Start: 29 @26783 has 143 MA's), (40, 26660), (42, 26645), (51, 26558), (65, 26408), (71, 26351), (72, 26336), (91, 26057), (94, 26027), (96, 25997), (97, 25994), (109, 25889), (111, 25871), (113, 25859), (115, 25826), (119, 25775), (121, 25742),

Gene: Inventa_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Inventa_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (72, 26631), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: Ioannes_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for Ioannes_38:

(8, 27202), (16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (42, 26944), (51, 26857), (65, 26707), (71, 26650), (72, 26635), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: Ixel_36 Start: 25399, Stop: 24230, Start Num: 30

Candidate Starts for Ixel_36:

(7, 25537), (19, 25465), (Start: 30 @25399 has 37 MA's), (40, 25285), (67, 25018), (69, 25000), (71, 24976), (72, 24961), (76, 24910), (83, 24820), (91, 24682), (121, 24367), (122, 24343),

Gene: Janus167_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for Janus167_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: JasonD_40 Start: 27633, Stop: 26452, Start Num: 29

Candidate Starts for JasonD_40:

(15, 27705), (Start: 28 @27642 has 16 MA's), (Start: 29 @27633 has 143 MA's), (40, 27504), (61, 27288), (65, 27252), (68, 27225), (71, 27195), (72, 27180), (91, 26901), (94, 26871), (96, 26841), (97, 26838), (99, 26829), (111, 26715), (115, 26670), (121, 26586), (125, 26511),

Gene: JasperRussell_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for JasperRussell_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (51, 26542), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: Jemerald_39 Start: 27469, Stop: 26306, Start Num: 31

Candidate Starts for Jemerald_39:

(15, 27556), (Start: 29 @27484 has 143 MA's), (Start: 31 @27469 has 2 MA's), (37, 27406), (40, 27361), (47, 27313), (65, 27109), (69, 27076), (71, 27052), (72, 27037), (76, 26986), (96, 26698), (103, 26635), (105, 26623), (111, 26572), (121, 26443), (122, 26419), (123, 26407),

Gene: Jenos_41 Start: 28279, Stop: 27101, Start Num: 29

Candidate Starts for Jenos_41:

(15, 28351), (Start: 29 @28279 has 143 MA's), (36, 28216), (40, 28153), (61, 27937), (71, 27844), (72, 27829), (89, 27586), (91, 27550), (94, 27520), (96, 27490), (111, 27364), (115, 27319), (121, 27235), (125, 27160),

Gene: Jerbirus_38 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for Jerbirus_38:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (51, 26542), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: JeriBeth_37 Start: 26630, Stop: 25455, Start Num: 29

Candidate Starts for JeriBeth_37:

(8, 26750), (16, 26699), (Start: 28 @26639 has 16 MA's), (Start: 29 @26630 has 143 MA's), (40, 26507), (42, 26492), (51, 26405), (65, 26255), (71, 26198), (72, 26183), (91, 25904), (94, 25874), (96, 25844), (97, 25841), (109, 25736), (111, 25718), (113, 25706), (115, 25673), (119, 25622), (121, 25589),

Gene: Jingles_36 Start: 26659, Stop: 25496, Start Num: 28

Candidate Starts for Jingles_36:

(16, 26719), (Start: 28 @26659 has 16 MA's), (38, 26569), (40, 26533), (41, 26530), (62, 26299), (71, 26224), (72, 26209), (75, 26182), (87, 26002), (103, 25822), (106, 25807), (121, 25630), (123, 25594), (125, 25555),

Gene: Juanyo_36 Start: 26603, Stop: 25416, Start Num: 29

Candidate Starts for Juanyo_36:

(15, 26675), (Start: 28 @26612 has 16 MA's), (Start: 29 @26603 has 143 MA's), (40, 26480), (42, 26465), (60, 26279), (70, 26174), (71, 26162), (72, 26147), (76, 26096), (94, 25838), (97, 25805), (101, 25772), (106, 25730), (112, 25679), (115, 25637), (119, 25586), (122, 25529), (123, 25517),

Gene: Juicer_39 Start: 27469, Stop: 26306, Start Num: 31

Candidate Starts for Juicer_39:

(15, 27556), (Start: 29 @27484 has 143 MA's), (Start: 31 @27469 has 2 MA's), (37, 27406), (40, 27361), (47, 27313), (65, 27109), (69, 27076), (71, 27052), (72, 27037), (76, 26986), (96, 26698), (103, 26635), (105, 26623), (111, 26572), (121, 26443), (122, 26419), (123, 26407),

Gene: Kale_37 Start: 26782, Stop: 25607, Start Num: 29

Candidate Starts for Kale_37:

(8, 26902), (16, 26851), (Start: 28 @26791 has 16 MA's), (Start: 29 @26782 has 143 MA's), (40, 26659), (42, 26644), (65, 26407), (71, 26350), (91, 26056), (94, 26026), (96, 25996), (97, 25993), (109, 25888), (111, 25870), (113, 25858), (115, 25825), (119, 25774), (121, 25741),

Gene: KannH_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for KannH_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (51, 26542), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121,

25726),

Gene: KatChan_38 Start: 26321, Stop: 25158, Start Num: 30

Candidate Starts for KatChan_38:

(Start: 30 @26321 has 37 MA's), (33, 26309), (40, 26210), (41, 26207), (57, 26045), (71, 25901), (72, 25886), (76, 25835), (83, 25745), (91, 25607), (94, 25577), (96, 25547), (103, 25484), (106, 25469), (123, 25256),

Gene: Kauala_36 Start: 26645, Stop: 25482, Start Num: 28

Candidate Starts for Kauala_36:

(16, 26705), (Start: 28 @26645 has 16 MA's), (38, 26555), (40, 26519), (41, 26516), (62, 26285), (71, 26210), (72, 26195), (75, 26168), (87, 25988), (106, 25793), (121, 25616), (122, 25592), (123, 25580), (125, 25541),

Gene: Kavo_35 Start: 25266, Stop: 24085, Start Num: 29

Candidate Starts for Kavo_35:

(1, 25482), (4, 25419), (9, 25374), (15, 25338), (Start: 29 @25266 has 143 MA's), (40, 25137), (47, 25089), (67, 24870), (68, 24858), (69, 24852), (71, 24828), (72, 24813), (76, 24762), (83, 24672), (91, 24534), (94, 24504), (95, 24486), (98, 24465), (112, 24345), (119, 24252), (121, 24219), (122, 24195), (123, 24183),

Gene: KellyGreen_38 Start: 26761, Stop: 25586, Start Num: 29

Candidate Starts for KellyGreen_38:

(8, 26881), (16, 26830), (Start: 28 @26770 has 16 MA's), (Start: 29 @26761 has 143 MA's), (40, 26638), (44, 26605), (65, 26386), (71, 26329), (91, 26035), (94, 26005), (96, 25975), (97, 25972), (109, 25867), (111, 25849), (113, 25837), (115, 25804), (119, 25753), (121, 25720),

Gene: KingJulien_37 Start: 27202, Stop: 26024, Start Num: 29

Candidate Starts for KingJulien_37:

(15, 27274), (Start: 28 @27211 has 16 MA's), (Start: 29 @27202 has 143 MA's), (40, 27076), (41, 27073), (62, 26842), (71, 26767), (72, 26752), (91, 26473), (96, 26413), (97, 26410), (111, 26287), (119, 26191), (121, 26158),

Gene: Klimt_37 Start: 26762, Stop: 25587, Start Num: 29

Candidate Starts for Klimt_37:

(8, 26882), (16, 26831), (Start: 28 @26771 has 16 MA's), (Start: 29 @26762 has 143 MA's), (40, 26639), (44, 26606), (65, 26387), (71, 26330), (91, 26036), (94, 26006), (96, 25976), (97, 25973), (109, 25868), (111, 25850), (113, 25838), (115, 25805), (119, 25754), (121, 25721),

Gene: Knox_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for Knox_38:

(8, 27202), (16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (51, 26857), (65, 26707), (71, 26650), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: Koji_36 Start: 26838, Stop: 25675, Start Num: 28

Candidate Starts for Koji_36:

(16, 26898), (Start: 28 @26838 has 16 MA's), (38, 26748), (40, 26712), (41, 26709), (62, 26478), (70, 26415), (71, 26403), (72, 26388), (75, 26361), (87, 26181), (90, 26136), (103, 26001), (106, 25986), (121, 25809), (123, 25773), (125, 25734),

Gene: Kouch_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for Kouch_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (44, 26611), (65, 26392), (71, 26335), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: Kurt1_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Kurt1_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (72, 26631), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: Leaf_120 Start: 73345, Stop: 74688, Start Num: 12

Candidate Starts for Leaf_120:

(Start: 12 @73345 has 2 MA's), (21, 73399), (34, 73501), (45, 73612), (46, 73621), (50, 73663), (55, 73696), (56, 73708), (57, 73738), (59, 73762), (64, 73819), (66, 73846), (73, 73909), (74, 73918), (77, 73975), (78, 73978), (80, 74032), (81, 74035), (88, 74137), (104, 74320), (114, 74422), (116, 74431), (117, 74446), (124, 74593), (128, 74659),

Gene: Leafus_37 Start: 27347, Stop: 26169, Start Num: 29

Candidate Starts for Leafus_37:

(15, 27419), (Start: 29 @27347 has 143 MA's), (40, 27221), (41, 27218), (60, 27020), (62, 26987), (71, 26912), (72, 26897), (91, 26618), (96, 26558), (97, 26555), (98, 26549), (111, 26432), (119, 26336), (121, 26303),

Gene: Librie_35 Start: 24974, Stop: 23796, Start Num: 30

Candidate Starts for Librie_35:

(17, 25046), (20, 25031), (Start: 30 @24974 has 37 MA's), (40, 24860), (71, 24542), (72, 24527), (76, 24476), (89, 24284), (91, 24248), (96, 24188), (97, 24185), (106, 24110), (112, 24059), (120, 23954), (123, 23897),

Gene: LilTerminator_35 Start: 24996, Stop: 23818, Start Num: 30

Candidate Starts for LilTerminator_35:

(17, 25068), (20, 25053), (Start: 30 @24996 has 37 MA's), (40, 24882), (48, 24825), (71, 24564), (72, 24549), (76, 24498), (89, 24306), (91, 24270), (96, 24210), (97, 24207), (106, 24132), (112, 24081), (120, 23976), (123, 23919),

Gene: Lovelyunicorn_38 Start: 27083, Stop: 25908, Start Num: 29

Candidate Starts for Lovelyunicorn_38:

(8, 27203), (16, 27152), (Start: 28 @27092 has 16 MA's), (Start: 29 @27083 has 143 MA's), (40, 26960), (51, 26858), (65, 26708), (71, 26651), (91, 26357), (94, 26327), (96, 26297), (97, 26294), (109, 26189), (111, 26171), (113, 26159), (115, 26126), (119, 26075), (121, 26042),

Gene: Lucky3_36 Start: 26754, Stop: 25594, Start Num: 28

Candidate Starts for Lucky3_36:

(15, 26817), (16, 26814), (Start: 28 @26754 has 16 MA's), (40, 26634), (41, 26631), (62, 26400), (72, 26310), (75, 26283), (103, 25923), (106, 25908), (112, 25857), (121, 25731), (122, 25707), (123, 25695),

Gene: Ludgate_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Ludgate_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: Luna18_38 Start: 26321, Stop: 25158, Start Num: 30

Candidate Starts for Luna18_38:

(Start: 30 @26321 has 37 MA's), (33, 26309), (40, 26210), (41, 26207), (57, 26045), (71, 25901), (72, 25886), (76, 25835), (83, 25745), (91, 25607), (94, 25577), (96, 25547), (103, 25484), (106, 25469), (123, 25256),

Gene: MCubed_37 Start: 26822, Stop: 25659, Start Num: 30

Candidate Starts for MCubed_37:

(24, 26858), (Start: 25 @26849 has 3 MA's), (Start: 30 @26822 has 37 MA's), (40, 26711), (47, 26663), (62, 26477), (67, 26444), (69, 26426), (71, 26402), (72, 26387), (76, 26336), (83, 26246), (91, 26108), (94, 26078), (96, 26048), (97, 26045), (100, 26021), (112, 25919), (119, 25826), (121, 25793), (122, 25769), (123, 25757),

Gene: MaeLinda_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for MaeLinda_38:

(8, 27202), (16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (42, 26944), (65, 26707), (71, 26650), (72, 26635), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: ManRay_37 Start: 26780, Stop: 25605, Start Num: 29

Candidate Starts for ManRay_37:

(8, 26900), (16, 26849), (Start: 28 @26789 has 16 MA's), (Start: 29 @26780 has 143 MA's), (40, 26657), (42, 26642), (65, 26405), (71, 26348), (72, 26333), (91, 26054), (94, 26024), (96, 25994), (97, 25991), (109, 25886), (111, 25868), (113, 25856), (115, 25823), (119, 25772), (121, 25739),

Gene: Mandalorian_35 Start: 26523, Stop: 25345, Start Num: 30

Candidate Starts for Mandalorian_35:

(Start: 30 @26523 has 37 MA's), (39, 26424), (40, 26409), (42, 26394), (69, 26115), (70, 26103), (71, 26091), (72, 26076), (76, 26025), (91, 25797), (94, 25767), (96, 25737), (97, 25734), (103, 25674), (106, 25659), (112, 25608), (119, 25515), (123, 25446),

Gene: Martin_39 Start: 27087, Stop: 25912, Start Num: 29

Candidate Starts for Martin_39:

(8, 27207), (16, 27156), (Start: 28 @27096 has 16 MA's), (Start: 29 @27087 has 143 MA's), (40, 26964), (42, 26949), (65, 26712), (71, 26655), (72, 26640), (91, 26361), (94, 26331), (96, 26301), (97, 26298), (109, 26193), (111, 26175), (113, 26163), (115, 26130), (119, 26079), (121, 26046),

Gene: McGalleon_40 Start: 28490, Stop: 27312, Start Num: 29

Candidate Starts for McGalleon_40:

(15, 28562), (Start: 29 @28490 has 143 MA's), (40, 28364), (61, 28148), (71, 28055), (72, 28040), (91, 27761), (93, 27737), (94, 27731), (96, 27701), (111, 27575), (115, 27530), (121, 27446), (125, 27371),

Gene: Mercedes_32 Start: 23957, Stop: 22776, Start Num: 30

Candidate Starts for Mercedes_32:

(Start: 30 @23957 has 37 MA's), (40, 23843), (65, 23591), (70, 23537), (71, 23525), (76, 23459), (91, 23231), (94, 23201), (97, 23168), (106, 23093), (112, 23042), (119, 22949), (123, 22880),

Gene: Merida02_39 Start: 27081, Stop: 25906, Start Num: 29

Candidate Starts for Merida02_39:

(8, 27201), (16, 27150), (Start: 28 @27090 has 16 MA's), (Start: 29 @27081 has 143 MA's), (40, 26958), (42, 26943), (65, 26706), (71, 26649), (91, 26355), (94, 26325), (96, 26295), (97, 26292), (109, 26187), (111, 26169), (113, 26157), (115, 26124), (119, 26073), (121, 26040),

Gene: MillyPhilly_38 Start: 27075, Stop: 25900, Start Num: 29

Candidate Starts for MillyPhilly_38:

(8, 27195), (16, 27144), (Start: 28 @27084 has 16 MA's), (Start: 29 @27075 has 143 MA's), (40, 26952), (42, 26937), (65, 26700), (71, 26643), (72, 26628), (91, 26349), (94, 26319), (96, 26289), (97, 26286), (109, 26181), (111, 26163), (113, 26151), (115, 26118), (119, 26067), (121, 26034),

Gene: MiniVolent_35 Start: 26558, Stop: 25371, Start Num: 29

Candidate Starts for MiniVolent_35:

(15, 26630), (Start: 28 @26567 has 16 MA's), (Start: 29 @26558 has 143 MA's), (40, 26435), (42, 26420), (70, 26129), (71, 26117), (72, 26102), (76, 26051), (91, 25823), (94, 25793), (97, 25760), (101, 25727), (106, 25685), (112, 25634), (115, 25592), (119, 25541), (122, 25484), (123, 25472),

Gene: MonChoix_36 Start: 27095, Stop: 25917, Start Num: 29

Candidate Starts for MonChoix_36:

(11, 27194), (14, 27173), (15, 27167), (Start: 29 @27095 has 143 MA's), (40, 26969), (44, 26936), (51, 26867), (62, 26735), (65, 26717), (71, 26660), (72, 26645), (89, 26402), (91, 26366), (94, 26336), (96, 26306), (97, 26303), (111, 26180), (113, 26168), (115, 26135), (119, 26084), (121, 26051),

Gene: Morrigan_38 Start: 26342, Stop: 25179, Start Num: 30

Candidate Starts for Morrigan_38:

(Start: 30 @26342 has 37 MA's), (33, 26330), (40, 26231), (65, 25979), (67, 25964), (69, 25946), (70, 25934), (71, 25922), (72, 25907), (76, 25856), (91, 25628), (98, 25559), (103, 25505), (119, 25346), (123, 25277),

Gene: MrWorldwide_38 Start: 27085, Stop: 25910, Start Num: 29

Candidate Starts for MrWorldwide_38:

(8, 27205), (16, 27154), (Start: 28 @27094 has 16 MA's), (Start: 29 @27085 has 143 MA's), (40, 26962), (42, 26947), (51, 26860), (65, 26710), (71, 26653), (91, 26359), (94, 26329), (96, 26299), (97, 26296), (109, 26191), (111, 26173), (113, 26161), (115, 26128), (119, 26077), (121, 26044),

Gene: Nagem_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Nagem_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (44, 26922), (65, 26703), (71, 26646), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: Nattles_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for Nattles_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (65, 26392), (71, 26335), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: Nebulous_35 Start: 27982, Stop: 26807, Start Num: 30

Candidate Starts for Nebulous_35:

(6, 28126), (17, 28054), (18, 28048), (Start: 30 @27982 has 37 MA's), (40, 27868), (58, 27682), (71, 27550), (72, 27535), (76, 27484), (83, 27394), (96, 27196), (103, 27133), (119, 26974), (121, 26941), (122, 26917), (125, 26866),

Gene: Neferthena_35 Start: 27068, Stop: 25893, Start Num: 30

Candidate Starts for Neferthena_35:

(Start: 30 @27068 has 37 MA's), (40, 26954), (58, 26768), (69, 26660), (70, 26648), (71, 26636), (72, 26621), (76, 26570), (83, 26480), (119, 26060), (121, 26027), (125, 25952),

Gene: NickSell_38 Start: 27087, Stop: 25909, Start Num: 29

Candidate Starts for NickSell_38:

(8, 27207), (16, 27156), (Start: 28 @27096 has 16 MA's), (Start: 29 @27087 has 143 MA's), (40, 26964), (42, 26949), (65, 26712), (71, 26655), (72, 26640), (91, 26361), (94, 26331), (96, 26301), (97, 26298), (109, 26193), (111, 26175), (113, 26163), (115, 26130), (119, 26079), (121, 26046),

Gene: Nucci_35 Start: 26518, Stop: 25340, Start Num: 30

Candidate Starts for Nucci_35:

(Start: 30 @26518 has 37 MA's), (39, 26419), (40, 26404), (42, 26389), (69, 26110), (70, 26098), (71, 26086), (72, 26071), (76, 26020), (91, 25792), (94, 25762), (96, 25732), (97, 25729), (103, 25669), (106, 25654), (112, 25603), (119, 25510), (123, 25441),

Gene: Oats_37 Start: 26780, Stop: 25605, Start Num: 29

Candidate Starts for Oats_37:

(8, 26900), (16, 26849), (Start: 28 @26789 has 16 MA's), (Start: 29 @26780 has 143 MA's), (40, 26657), (42, 26642), (65, 26405), (71, 26348), (72, 26333), (91, 26054), (94, 26024), (96, 25994), (97, 25991), (109, 25886), (111, 25868), (113, 25856), (115, 25823), (119, 25772), (121, 25739),

Gene: OldNelly_38 Start: 27084, Stop: 25909, Start Num: 29

Candidate Starts for OldNelly_38:

(8, 27204), (16, 27153), (Start: 28 @27093 has 16 MA's), (Start: 29 @27084 has 143 MA's), (40, 26961), (42, 26946), (65, 26709), (71, 26652), (91, 26358), (94, 26328), (96, 26298), (97, 26295), (109, 26190), (111, 26172), (113, 26160), (115, 26127), (119, 26076), (121, 26043),

Gene: Orpington_38 Start: 26812, Stop: 25649, Start Num: 30

Candidate Starts for Orpington_38:

(24, 26848), (Start: 25 @26839 has 3 MA's), (Start: 30 @26812 has 37 MA's), (40, 26701), (41, 26698), (47, 26653), (62, 26467), (67, 26434), (69, 26416), (71, 26392), (72, 26377), (76, 26326), (83, 26236), (91, 26098), (94, 26068), (96, 26038), (100, 26011), (112, 25909), (119, 25816), (121, 25783), (122, 25759), (123, 25747),

Gene: Oxtobber96_38 Start: 27083, Stop: 25908, Start Num: 29

Candidate Starts for Oxtobber96_38:

(8, 27203), (16, 27152), (Start: 28 @27092 has 16 MA's), (Start: 29 @27083 has 143 MA's), (40, 26960), (51, 26858), (65, 26708), (71, 26651), (91, 26357), (94, 26327), (96, 26297), (97, 26294), (109, 26189), (111, 26171), (113, 26159), (115, 26126), (119, 26075), (121, 26042),

Gene: PSirce_37 Start: 26809, Stop: 25646, Start Num: 30

Candidate Starts for PSirce_37:

(24, 26845), (Start: 25 @26836 has 3 MA's), (Start: 30 @26809 has 37 MA's), (40, 26698), (41, 26695), (47, 26650), (62, 26464), (67, 26431), (69, 26413), (71, 26389), (72, 26374), (76, 26323), (83, 26233), (91, 26095), (94, 26065), (96, 26035), (100, 26008), (112, 25906), (119, 25813), (121, 25780), (122, 25756), (123, 25744),

Gene: Pajaza_34 Start: 25918, Stop: 24758, Start Num: 29

Candidate Starts for Pajaza_34:

(16, 25987), (23, 25954), (Start: 29 @25918 has 143 MA's), (37, 25843), (40, 25798), (53, 25684), (60, 25597), (71, 25489), (76, 25423), (96, 25150), (111, 25024), (118, 24961), (119, 24928), (121, 24895), (123, 24859),

Gene: Papafritta_37 Start: 26788, Stop: 25613, Start Num: 29

Candidate Starts for Papafritta_37:

(8, 26908), (16, 26857), (Start: 28 @26797 has 16 MA's), (Start: 29 @26788 has 143 MA's), (40, 26665), (42, 26650), (51, 26563), (65, 26413), (71, 26356), (72, 26341), (91, 26062), (94, 26032), (96, 26002), (97, 25999), (109, 25894), (111, 25876), (113, 25864), (115, 25831), (119, 25780), (121, 25747),

Gene: ParleG_38 Start: 27085, Stop: 25910, Start Num: 29

Candidate Starts for ParleG_38:

(8, 27205), (16, 27154), (Start: 28 @27094 has 16 MA's), (Start: 29 @27085 has 143 MA's), (40, 26962), (42, 26947), (51, 26860), (65, 26710), (71, 26653), (91, 26359), (94, 26329), (96, 26299), (97, 26296), (109, 26191), (111, 26173), (113, 26161), (115, 26128), (119, 26077), (121, 26044),

Gene: Peep_38 Start: 27070, Stop: 25895, Start Num: 29

Candidate Starts for Peep_38:

(8, 27190), (16, 27139), (Start: 28 @27079 has 16 MA's), (Start: 29 @27070 has 143 MA's), (40, 26947), (42, 26932), (65, 26695), (71, 26638), (72, 26623), (91, 26344), (94, 26314), (96, 26284), (97, 26281), (109, 26176), (111, 26158), (113, 26146), (115, 26113), (119, 26062), (121, 26029),

Gene: Penta_34 Start: 25122, Stop: 23941, Start Num: 29

Candidate Starts for Penta_34:

(15, 25194), (Start: 29 @25122 has 143 MA's), (40, 24993), (41, 24990), (47, 24945), (67, 24726), (69, 24708), (71, 24684), (72, 24669), (76, 24618), (83, 24528), (91, 24390), (94, 24360), (98, 24321), (112, 24201), (115, 24159), (119, 24108), (121, 24075), (122, 24051), (123, 24039),

Gene: Peppino_37 Start: 27195, Stop: 26017, Start Num: 29

Candidate Starts for Peppino_37:

(15, 27267), (Start: 28 @27204 has 16 MA's), (Start: 29 @27195 has 143 MA's), (40, 27069), (41, 27066), (62, 26835), (71, 26760), (72, 26745), (91, 26466), (94, 26436), (96, 26406), (97, 26403), (111, 26280), (119, 26184), (121, 26151),

Gene: Phanita_37 Start: 26816, Stop: 25626, Start Num: 25

Candidate Starts for Phanita_37:

(24, 26825), (Start: 25 @26816 has 3 MA's), (Start: 30 @26789 has 37 MA's), (40, 26678), (47, 26630), (62, 26444), (67, 26411), (69, 26393), (71, 26369), (72, 26354), (76, 26303), (83, 26213), (91, 26075), (94, 26045), (96, 26015), (97, 26012), (100, 25988), (112, 25886), (119, 25793), (121, 25760), (122, 25736), (123, 25724),

Gene: Pherbot_36 Start: 26652, Stop: 25489, Start Num: 28

Candidate Starts for Pherbot_36:

(16, 26712), (Start: 28 @26652 has 16 MA's), (38, 26562), (40, 26526), (41, 26523), (62, 26292), (71, 26217), (72, 26202), (75, 26175), (87, 25995), (90, 25950), (103, 25815), (106, 25800), (121, 25623), (123, 25587), (125, 25548),

Gene: Pherferi_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Pherferi_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (72, 26631), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: Phiderman_38 Start: 27075, Stop: 25900, Start Num: 29

Candidate Starts for Phiderman_38:

(8, 27195), (16, 27144), (Start: 28 @27084 has 16 MA's), (Start: 29 @27075 has 143 MA's), (40, 26952), (42, 26937), (65, 26700), (71, 26643), (72, 26628), (91, 26349), (94, 26319), (96, 26289), (97, 26286), (109, 26181), (111, 26163), (113, 26151), (115, 26118), (119, 26067), (121, 26034),

Gene: PhillyPhantom_37 Start: 27185, Stop: 26007, Start Num: 29

Candidate Starts for PhillyPhantom_37:

(15, 27257), (Start: 29 @27185 has 143 MA's), (40, 27059), (41, 27056), (60, 26858), (62, 26825), (71, 26750), (72, 26735), (91, 26456), (96, 26396), (97, 26393), (98, 26387), (111, 26270), (119, 26174), (121, 26141),

Gene: Phireproof_38 Start: 27084, Stop: 25909, Start Num: 29

Candidate Starts for Phireproof_38:

(8, 27204), (16, 27153), (Start: 28 @27093 has 16 MA's), (Start: 29 @27084 has 143 MA's), (40, 26961), (51, 26859), (65, 26709), (71, 26652), (91, 26358), (94, 26328), (96, 26298), (97, 26295), (109, 26190), (111, 26172), (113, 26160), (115, 26127), (119, 26076), (121, 26043),

Gene: PhredFlintston_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for PhredFlintston_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (72, 26631), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: Phriends_38 Start: 27084, Stop: 25909, Start Num: 29

Candidate Starts for Phriends_38:

(8, 27204), (16, 27153), (Start: 28 @27093 has 16 MA's), (Start: 29 @27084 has 143 MA's), (40, 26961), (42, 26946), (65, 26709), (71, 26652), (91, 26358), (94, 26328), (96, 26298), (97, 26295), (109, 26190), (111, 26172), (113, 26160), (115, 26127), (119, 26076), (121, 26043),

Gene: Pikmin_34 Start: 25918, Stop: 24758, Start Num: 29

Candidate Starts for Pikmin_34:

(16, 25987), (23, 25954), (Start: 29 @25918 has 143 MA's), (37, 25843), (40, 25798), (53, 25684), (60, 25597), (71, 25489), (76, 25423), (96, 25150), (111, 25024), (118, 24961), (119, 24928), (121, 24895), (123, 24859),

Gene: Pocket_37 Start: 26771, Stop: 25596, Start Num: 29

Candidate Starts for Pocket_37:

(8, 26891), (16, 26840), (Start: 28 @26780 has 16 MA's), (Start: 29 @26771 has 143 MA's), (40, 26648), (44, 26615), (65, 26396), (71, 26339), (91, 26045), (94, 26015), (96, 25985), (97, 25982), (109, 25877), (111, 25859), (113, 25847), (115, 25814), (119, 25763), (121, 25730),

Gene: PrincePhergus_36 Start: 26667, Stop: 25504, Start Num: 28

Candidate Starts for PrincePhergus_36:

(16, 26727), (Start: 28 @26667 has 16 MA's), (38, 26577), (40, 26541), (41, 26538), (62, 26307), (70, 26244), (71, 26232), (72, 26217), (75, 26190), (87, 26010), (103, 25830), (106, 25815), (121, 25638), (123, 25602), (125, 25563),

Gene: PuppyEggo_38 Start: 27085, Stop: 25910, Start Num: 29

Candidate Starts for PuppyEggo_38:

(8, 27205), (16, 27154), (Start: 28 @27094 has 16 MA's), (Start: 29 @27085 has 143 MA's), (40, 26962), (42, 26947), (51, 26860), (65, 26710), (71, 26653), (91, 26359), (94, 26329), (96, 26299), (97, 26296), (109, 26191), (111, 26173), (113, 26161), (115, 26128), (119, 26077), (121, 26044),

Gene: QuadZero_35 Start: 25001, Stop: 23823, Start Num: 30

Candidate Starts for QuadZero_35:

(17, 25073), (20, 25058), (Start: 30 @25001 has 37 MA's), (40, 24887), (71, 24569), (72, 24554), (76, 24503), (89, 24311), (91, 24275), (96, 24215), (97, 24212), (106, 24137), (107, 24131), (112, 24086),

(120, 23981), (123, 23924),

Gene: Quartz_36 Start: 26636, Stop: 25458, Start Num: 30

Candidate Starts for Quartz_36:

(Start: 30 @26636 has 37 MA's), (39, 26537), (40, 26522), (42, 26507), (69, 26228), (70, 26216), (71, 26204), (72, 26189), (76, 26138), (91, 25910), (94, 25880), (96, 25850), (97, 25847), (103, 25787), (106, 25772), (112, 25721), (119, 25628), (123, 25559),

Gene: Raccoon_37 Start: 27170, Stop: 25992, Start Num: 29

Candidate Starts for Raccoon_37:

(15, 27242), (Start: 28 @27179 has 16 MA's), (Start: 29 @27170 has 143 MA's), (40, 27044), (41, 27041), (62, 26810), (71, 26735), (72, 26720), (91, 26441), (94, 26411), (96, 26381), (97, 26378), (111, 26255), (119, 26159), (121, 26126),

Gene: Rapheph_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Rapheph_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (72, 26631), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: Raptor_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for Raptor_38:

(8, 27202), (16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (44, 26926), (65, 26707), (71, 26650), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: Rasputia_115 Start: 72281, Stop: 73627, Start Num: 13

Candidate Starts for Rasputia_115:

(Start: 13 @72281 has 2 MA's), (21, 72326), (33, 72410), (34, 72428), (35, 72437), (43, 72530), (49, 72578), (50, 72602), (52, 72617), (53, 72623), (59, 72701), (66, 72785), (74, 72857), (78, 72917), (79, 72950), (80, 72971), (81, 72974), (82, 72986), (85, 73043), (86, 73052), (88, 73076), (108, 73286), (110, 73310), (117, 73385), (124, 73532), (128, 73598),

Gene: Redfield_37 Start: 27202, Stop: 26024, Start Num: 29

Candidate Starts for Redfield_37:

(15, 27274), (Start: 28 @27211 has 16 MA's), (Start: 29 @27202 has 143 MA's), (40, 27076), (41, 27073), (62, 26842), (71, 26767), (91, 26473), (94, 26443), (96, 26413), (97, 26410), (111, 26287), (119, 26191), (121, 26158),

Gene: RenegadeRaider_37 Start: 26510, Stop: 25371, Start Num: 32

Candidate Starts for RenegadeRaider_37:

(32, 26510), (38, 26444), (40, 26408), (41, 26405), (62, 26174), (70, 26111), (71, 26099), (72, 26084), (75, 26057), (87, 25877), (103, 25697), (106, 25682), (121, 25505), (123, 25469), (125, 25430),

Gene: Renzie_38 Start: 27070, Stop: 25895, Start Num: 29

Candidate Starts for Renzie_38:

(8, 27190), (16, 27139), (Start: 28 @27079 has 16 MA's), (Start: 29 @27070 has 143 MA's), (40, 26947), (42, 26932), (65, 26695), (71, 26638), (72, 26623), (91, 26344), (94, 26314), (96, 26284), (97, 26281), (109, 26176), (111, 26158), (113, 26146), (115, 26113), (119, 26062), (121, 26029),

Gene: Riyhil_38 Start: 27088, Stop: 25913, Start Num: 29

Candidate Starts for Riyhil_38:

(8, 27208), (16, 27157), (Start: 28 @27097 has 16 MA's), (Start: 29 @27088 has 143 MA's), (40, 26965), (42, 26950), (51, 26863), (65, 26713), (71, 26656), (91, 26362), (94, 26332), (96, 26302), (97, 26299), (109, 26194), (111, 26176), (113, 26164), (115, 26131), (119, 26080), (121, 26047),

Gene: Robinson_38 Start: 27076, Stop: 25901, Start Num: 29

Candidate Starts for Robinson_38:

(8, 27196), (16, 27145), (Start: 28 @27085 has 16 MA's), (Start: 29 @27076 has 143 MA's), (40, 26953), (42, 26938), (65, 26701), (71, 26644), (72, 26629), (91, 26350), (94, 26320), (96, 26290), (97, 26287), (109, 26182), (111, 26164), (113, 26152), (115, 26119), (119, 26068), (121, 26035),

Gene: Rog141_37 Start: 26767, Stop: 25592, Start Num: 29

Candidate Starts for Rog141_37:

(8, 26887), (16, 26836), (Start: 28 @26776 has 16 MA's), (Start: 29 @26767 has 143 MA's), (40, 26644), (42, 26629), (51, 26542), (65, 26392), (71, 26335), (72, 26320), (91, 26041), (94, 26011), (96, 25981), (97, 25978), (109, 25873), (111, 25855), (113, 25843), (115, 25810), (119, 25759), (121, 25726),

Gene: RosieMae_37 Start: 26825, Stop: 25650, Start Num: 29

Candidate Starts for RosieMae_37:

(8, 26945), (16, 26894), (Start: 28 @26834 has 16 MA's), (Start: 29 @26825 has 143 MA's), (40, 26702), (42, 26687), (51, 26600), (65, 26450), (71, 26393), (72, 26378), (91, 26099), (94, 26069), (96, 26039), (97, 26036), (109, 25931), (111, 25913), (113, 25901), (115, 25868), (119, 25817), (121, 25784),

Gene: SJay_38 Start: 27079, Stop: 25904, Start Num: 29

Candidate Starts for SJay_38:

(8, 27199), (16, 27148), (Start: 28 @27088 has 16 MA's), (Start: 29 @27079 has 143 MA's), (40, 26956), (44, 26923), (65, 26704), (71, 26647), (91, 26353), (94, 26323), (96, 26293), (97, 26290), (109, 26185), (111, 26167), (113, 26155), (115, 26122), (119, 26071), (121, 26038),

Gene: Sansa_36 Start: 26883, Stop: 25720, Start Num: 30

Candidate Starts for Sansa_36:

(24, 26919), (Start: 25 @26910 has 3 MA's), (Start: 30 @26883 has 37 MA's), (40, 26772), (41, 26769), (67, 26505), (69, 26487), (71, 26463), (72, 26448), (76, 26397), (83, 26307), (91, 26169), (94, 26139), (96, 26109), (100, 26082), (112, 25980), (119, 25887), (121, 25854), (122, 25830), (123, 25818),

Gene: Saratos_37 Start: 26791, Stop: 25628, Start Num: 30

Candidate Starts for Saratos_37:

(24, 26827), (Start: 25 @26818 has 3 MA's), (Start: 30 @26791 has 37 MA's), (40, 26680), (41, 26677), (47, 26632), (62, 26446), (67, 26413), (69, 26395), (71, 26371), (72, 26356), (76, 26305), (83, 26215), (91, 26077), (94, 26047), (96, 26017), (100, 25990), (112, 25888), (119, 25795), (121, 25762), (122, 25738), (123, 25726),

Gene: Schimmels22_36 Start: 25802, Stop: 24621, Start Num: 29

Candidate Starts for Schimmels22_36:

(1, 26018), (4, 25955), (9, 25910), (15, 25874), (Start: 29 @25802 has 143 MA's), (40, 25673), (47, 25625), (67, 25406), (68, 25394), (69, 25388), (71, 25364), (72, 25349), (76, 25298), (83, 25208), (91, 25070), (94, 25040), (95, 25022), (98, 25001), (112, 24881), (115, 24839), (119, 24788), (121, 24755), (122, 24731), (123, 24719),

Gene: Schnapsidee_37 Start: 27208, Stop: 26030, Start Num: 29

Candidate Starts for Schnapsidee_37:

(15, 27280), (Start: 28 @27217 has 16 MA's), (Start: 29 @27208 has 143 MA's), (40, 27082), (41, 27079), (62, 26848), (71, 26773), (72, 26758), (91, 26479), (94, 26449), (96, 26419), (97, 26416), (111, 26293), (119, 26197), (121, 26164),

Gene: Schubert_35 Start: 26499, Stop: 25312, Start Num: 29

Candidate Starts for Schubert_35:

(2, 26679), (3, 26667), (16, 26568), (23, 26535), (Start: 29 @26499 has 143 MA's), (37, 26412), (39, 26382), (40, 26367), (70, 26070), (71, 26058), (91, 25764), (94, 25734), (96, 25704), (106, 25626), (111, 25578), (115, 25533), (118, 25515), (121, 25449), (123, 25413), (125, 25374),

Gene: Scissor2024_36 Start: 25439, Stop: 24258, Start Num: 29

Candidate Starts for Scissor2024_36:

(1, 25655), (4, 25592), (9, 25547), (15, 25511), (Start: 29 @25439 has 143 MA's), (40, 25310), (47, 25262), (67, 25043), (68, 25031), (69, 25025), (71, 25001), (72, 24986), (76, 24935), (83, 24845), (91, 24707), (94, 24677), (95, 24659), (98, 24638), (112, 24518), (115, 24476), (119, 24425), (121, 24392), (122, 24368), (123, 24356),

Gene: Sedgewig_37 Start: 26765, Stop: 25590, Start Num: 29

Candidate Starts for Sedgewig_37:

(8, 26885), (16, 26834), (Start: 28 @26774 has 16 MA's), (Start: 29 @26765 has 143 MA's), (40, 26642), (42, 26627), (65, 26390), (71, 26333), (91, 26039), (94, 26009), (96, 25979), (97, 25976), (109, 25871), (111, 25853), (113, 25841), (115, 25808), (119, 25757), (121, 25724),

Gene: ShaiHulud_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for ShaiHulud_38:

(8, 27202), (16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (42, 26944), (51, 26857), (65, 26707), (71, 26650), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: Shamu_37 Start: 26812, Stop: 25649, Start Num: 30

Candidate Starts for Shamu_37:

(24, 26848), (Start: 25 @26839 has 3 MA's), (Start: 30 @26812 has 37 MA's), (40, 26701), (41, 26698), (47, 26653), (62, 26467), (67, 26434), (69, 26416), (71, 26392), (72, 26377), (76, 26326), (83, 26236), (91, 26098), (94, 26068), (96, 26038), (100, 26011), (112, 25909), (119, 25816), (121, 25783), (122, 25759), (123, 25747),

Gene: Shee_38 Start: 27075, Stop: 25900, Start Num: 29

Candidate Starts for Shee_38:

(8, 27195), (16, 27144), (Start: 28 @27084 has 16 MA's), (Start: 29 @27075 has 143 MA's), (40, 26952), (42, 26937), (65, 26700), (71, 26643), (91, 26349), (94, 26319), (96, 26289), (97, 26286), (109, 26181), (111, 26163), (113, 26151), (115, 26118), (119, 26067), (121, 26034),

Gene: Sinatra_36 Start: 26663, Stop: 25500, Start Num: 28

Candidate Starts for Sinatra_36:

(16, 26723), (Start: 28 @26663 has 16 MA's), (38, 26573), (40, 26537), (41, 26534), (62, 26303), (71, 26228), (72, 26213), (75, 26186), (87, 26006), (90, 25961), (103, 25826), (106, 25811), (121, 25634), (123, 25598), (125, 25559),

Gene: SirVictor_36 Start: 26730, Stop: 25579, Start Num: 29

Candidate Starts for SirVictor_36:

(15, 26802), (16, 26799), (Start: 28 @26739 has 16 MA's), (Start: 29 @26730 has 143 MA's), (40, 26619), (41, 26616), (62, 26385), (70, 26322), (72, 26295), (75, 26268), (103, 25908), (106, 25893), (112, 25842), (121, 25716), (122, 25692), (123, 25680),

Gene: SoilGremlin_38 Start: 27081, Stop: 25906, Start Num: 29

Candidate Starts for SoilGremlin_38:

(8, 27201), (16, 27150), (Start: 28 @27090 has 16 MA's), (Start: 29 @27081 has 143 MA's), (40, 26958), (42, 26943), (65, 26706), (71, 26649), (91, 26355), (94, 26325), (96, 26295), (97, 26292), (109, 26187), (111, 26169), (113, 26157), (115, 26124), (119, 26073), (121, 26040),

Gene: SolidSnake_39 Start: 27084, Stop: 25909, Start Num: 29

Candidate Starts for SolidSnake_39:

(8, 27204), (16, 27153), (Start: 28 @27093 has 16 MA's), (Start: 29 @27084 has 143 MA's), (40, 26961), (42, 26946), (65, 26709), (71, 26652), (91, 26358), (94, 26328), (96, 26298), (97, 26295), (109, 26190), (111, 26172), (113, 26160), (115, 26127), (119, 26076), (121, 26043),

Gene: SonOfLevi_37 Start: 26762, Stop: 25587, Start Num: 29

Candidate Starts for SonOfLevi_37:

(8, 26882), (16, 26831), (Start: 28 @26771 has 16 MA's), (Start: 29 @26762 has 143 MA's), (40, 26639), (44, 26606), (65, 26387), (71, 26330), (91, 26036), (94, 26006), (96, 25976), (97, 25973), (109, 25868), (111, 25850), (113, 25838), (115, 25805), (119, 25754), (121, 25721),

Gene: Soror1_37 Start: 27217, Stop: 26039, Start Num: 29

Candidate Starts for Soror1_37:

(15, 27289), (Start: 28 @27226 has 16 MA's), (Start: 29 @27217 has 143 MA's), (40, 27091), (41, 27088), (62, 26857), (71, 26782), (72, 26767), (91, 26488), (96, 26428), (97, 26425), (111, 26302), (119, 26206), (121, 26173),

Gene: Stanktossa_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Stanktossa_38:

(8, 27198), (16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (42, 26940), (65, 26703), (71, 26646), (72, 26631), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: StingRay_37 Start: 26783, Stop: 25608, Start Num: 29

Candidate Starts for StingRay_37:

(8, 26903), (16, 26852), (Start: 28 @26792 has 16 MA's), (Start: 29 @26783 has 143 MA's), (40, 26660), (42, 26645), (51, 26558), (65, 26408), (71, 26351), (72, 26336), (91, 26057), (94, 26027), (96, 25997), (97, 25994), (109, 25889), (111, 25871), (113, 25859), (115, 25826), (119, 25775), (121, 25742),

Gene: StirfryIV_37 Start: 26776, Stop: 25601, Start Num: 29

Candidate Starts for StirfryIV_37:

(8, 26896), (16, 26845), (Start: 28 @26785 has 16 MA's), (Start: 29 @26776 has 143 MA's), (40, 26653), (42, 26638), (51, 26551), (65, 26401), (71, 26344), (72, 26329), (91, 26050), (94, 26020), (96, 25990), (97, 25987), (109, 25882), (111, 25864), (113, 25852), (115, 25819), (119, 25768), (121, 25735),

Gene: Stormbreaker8_37 Start: 27202, Stop: 26024, Start Num: 29

Candidate Starts for Stormbreaker8_37:

(15, 27274), (Start: 28 @27211 has 16 MA's), (Start: 29 @27202 has 143 MA's), (40, 27076), (41, 27073), (62, 26842), (71, 26767), (72, 26752), (91, 26473), (96, 26413), (97, 26410), (111, 26287), (119, 26191), (121, 26158),

Gene: Strathdee_38 Start: 27083, Stop: 25908, Start Num: 29

Candidate Starts for Strathdee_38:

(8, 27203), (16, 27152), (Start: 28 @27092 has 16 MA's), (Start: 29 @27083 has 143 MA's), (40, 26960), (42, 26945), (51, 26858), (65, 26708), (71, 26651), (91, 26357), (94, 26327), (96, 26297), (97, 26294), (109, 26189), (111, 26171), (113, 26159), (115, 26126), (119, 26075), (121, 26042),

Gene: Superfresh_38 Start: 27070, Stop: 25895, Start Num: 29

Candidate Starts for Superfresh_38:

(8, 27190), (16, 27139), (Start: 28 @27079 has 16 MA's), (Start: 29 @27070 has 143 MA's), (40, 26947), (42, 26932), (65, 26695), (71, 26638), (72, 26623), (91, 26344), (94, 26314), (96, 26284), (97, 26281), (109, 26176), (111, 26158), (113, 26146), (115, 26113), (119, 26062), (121, 26029),

Gene: Symere_37 Start: 26763, Stop: 25588, Start Num: 29

Candidate Starts for Symere_37:

(8, 26883), (16, 26832), (Start: 28 @26772 has 16 MA's), (Start: 29 @26763 has 143 MA's), (40, 26640), (42, 26625), (65, 26388), (71, 26331), (91, 26037), (94, 26007), (96, 25977), (97, 25974), (109, 25869), (111, 25851), (113, 25839), (115, 25806), (119, 25755), (121, 25722),

Gene: TatarkaPM_38 Start: 27087, Stop: 25909, Start Num: 29

Candidate Starts for TatarkaPM_38:

(8, 27207), (16, 27156), (Start: 28 @27096 has 16 MA's), (Start: 29 @27087 has 143 MA's), (40, 26964), (42, 26949), (65, 26712), (71, 26655), (72, 26640), (91, 26361), (94, 26331), (96, 26301), (97, 26298), (109, 26193), (111, 26175), (113, 26163), (115, 26130), (119, 26079), (121, 26046),

Gene: Teagan_38 Start: 27078, Stop: 25903, Start Num: 29

Candidate Starts for Teagan_38:

(16, 27147), (Start: 28 @27087 has 16 MA's), (Start: 29 @27078 has 143 MA's), (40, 26955), (51, 26853), (65, 26703), (71, 26646), (91, 26352), (94, 26322), (96, 26292), (97, 26289), (109, 26184), (111, 26166), (113, 26154), (115, 26121), (119, 26070), (121, 26037),

Gene: TeddyBear_37 Start: 26780, Stop: 25605, Start Num: 29

Candidate Starts for TeddyBear_37:

(8, 26900), (16, 26849), (Start: 28 @26789 has 16 MA's), (Start: 29 @26780 has 143 MA's), (40, 26657), (44, 26624), (65, 26405), (71, 26348), (91, 26054), (94, 26024), (96, 25994), (97, 25991), (109, 25886), (111, 25868), (113, 25856), (115, 25823), (119, 25772), (121, 25739),

Gene: Tenda_37 Start: 26778, Stop: 25603, Start Num: 29

Candidate Starts for Tenda_37:

(8, 26898), (16, 26847), (Start: 28 @26787 has 16 MA's), (Start: 29 @26778 has 143 MA's), (40, 26655), (42, 26640), (65, 26403), (71, 26346), (72, 26331), (91, 26052), (94, 26022), (96, 25992), (97, 25989), (109, 25884), (111, 25866), (113, 25854), (115, 25821), (119, 25770), (121, 25737),

Gene: Thompsonsone_38 Start: 27085, Stop: 25910, Start Num: 29

Candidate Starts for Thompsonsone_38:

(8, 27205), (16, 27154), (Start: 28 @27094 has 16 MA's), (Start: 29 @27085 has 143 MA's), (40, 26962), (51, 26860), (65, 26710), (71, 26653), (91, 26359), (94, 26329), (96, 26299), (97, 26296), (109, 26191), (111, 26173), (113, 26161), (115, 26128), (119, 26077), (121, 26044),

Gene: Thorongil_38 Start: 27085, Stop: 25910, Start Num: 29

Candidate Starts for Thorongil_38:

(8, 27205), (16, 27154), (Start: 28 @27094 has 16 MA's), (Start: 29 @27085 has 143 MA's), (40, 26962), (42, 26947), (51, 26860), (65, 26710), (71, 26653), (91, 26359), (94, 26329), (96, 26299), (97, 26296), (109, 26191), (111, 26173), (113, 26161), (115, 26128), (119, 26077), (121, 26044),

Gene: TinSulphur_38 Start: 27084, Stop: 25909, Start Num: 29

Candidate Starts for TinSulphur_38:

(8, 27204), (16, 27153), (Start: 28 @27093 has 16 MA's), (Start: 29 @27084 has 143 MA's), (40, 26961), (42, 26946), (65, 26709), (71, 26652), (72, 26637), (91, 26358), (94, 26328), (96, 26298), (97, 26295), (109, 26190), (111, 26172), (113, 26160), (115, 26127), (119, 26076), (121, 26043),

Gene: Tinyman4_36 Start: 25428, Stop: 24247, Start Num: 29

Candidate Starts for Tinyman4_36:

(1, 25644), (4, 25581), (9, 25536), (15, 25500), (Start: 29 @25428 has 143 MA's), (40, 25299), (47, 25251), (67, 25032), (68, 25020), (69, 25014), (71, 24990), (72, 24975), (76, 24924), (83, 24834), (94, 24666), (95, 24648), (98, 24627), (112, 24507), (115, 24465), (119, 24414), (121, 24381), (122, 24357), (123, 24345),

Gene: TwoBits_35 Start: 25411, Stop: 24233, Start Num: 30

Candidate Starts for TwoBits_35:

(6, 25555), (18, 25477), (22, 25459), (Start: 30 @25411 has 37 MA's), (40, 25297), (70, 24991), (71, 24979), (76, 24913), (91, 24685), (94, 24655), (96, 24625), (97, 24622), (106, 24547), (112, 24496), (120, 24391), (123, 24334),

Gene: Vafari_36 Start: 24982, Stop: 23804, Start Num: 30

Candidate Starts for Vafari_36:

(17, 25054), (20, 25039), (Start: 30 @24982 has 37 MA's), (40, 24868), (71, 24550), (72, 24535), (76, 24484), (89, 24292), (91, 24256), (96, 24196), (97, 24193), (106, 24118), (107, 24112), (112, 24067), (120, 23962), (123, 23905),

Gene: Velene_38 Start: 27083, Stop: 25908, Start Num: 29

Candidate Starts for Velene_38:

(8, 27203), (16, 27152), (Start: 28 @27092 has 16 MA's), (Start: 29 @27083 has 143 MA's), (40, 26960), (51, 26858), (65, 26708), (71, 26651), (91, 26357), (94, 26327), (96, 26297), (97, 26294), (109, 26189), (111, 26171), (113, 26159), (115, 26126), (119, 26075), (121, 26042),

Gene: Vispistious_38 Start: 27094, Stop: 25910, Start Num: 28

Candidate Starts for Vispistious_38:

(8, 27205), (16, 27154), (Start: 28 @27094 has 16 MA's), (Start: 29 @27085 has 143 MA's), (40, 26962), (42, 26947), (51, 26860), (65, 26710), (71, 26653), (91, 26359), (94, 26329), (96, 26299), (97, 26296), (109, 26191), (111, 26173), (113, 26161), (115, 26128), (119, 26077), (121, 26044),

Gene: Wardwill_37 Start: 25155, Stop: 23977, Start Num: 30

Candidate Starts for Wardwill_37:

(17, 25227), (20, 25212), (Start: 30 @25155 has 37 MA's), (40, 25041), (71, 24723), (72, 24708), (76, 24657), (89, 24465), (91, 24429), (96, 24369), (97, 24366), (106, 24291), (112, 24240), (120, 24135), (123, 24078),

Gene: WestPM_34 Start: 25285, Stop: 24104, Start Num: 29

Candidate Starts for WestPM_34:

(15, 25357), (Start: 29 @25285 has 143 MA's), (40, 25156), (41, 25153), (47, 25108), (67, 24889), (69, 24871), (71, 24847), (72, 24832), (76, 24781), (83, 24691), (91, 24553), (94, 24523), (98, 24484), (112, 24364), (119, 24271), (121, 24238), (122, 24214), (123, 24202),

Gene: WildNOut_38 Start: 27082, Stop: 25907, Start Num: 29

Candidate Starts for WildNOut_38:

(8, 27202), (16, 27151), (Start: 28 @27091 has 16 MA's), (Start: 29 @27082 has 143 MA's), (40, 26959), (42, 26944), (51, 26857), (65, 26707), (71, 26650), (91, 26356), (94, 26326), (96, 26296), (97, 26293), (109, 26188), (111, 26170), (113, 26158), (115, 26125), (119, 26074), (121, 26041),

Gene: WilliamStrong_36 Start: 26624, Stop: 25461, Start Num: 30

Candidate Starts for WilliamStrong_36:

(Start: 30 @26624 has 37 MA's), (33, 26612), (40, 26513), (42, 26498), (65, 26261), (69, 26228), (70, 26216), (71, 26204), (72, 26189), (76, 26138), (83, 26048), (91, 25910), (96, 25850), (103, 25787), (119, 25628), (122, 25571), (123, 25559),

Gene: Winzigespinne_37 Start: 26766, Stop: 25591, Start Num: 29

Candidate Starts for Winzigespinne_37:

(8, 26886), (16, 26835), (Start: 28 @26775 has 16 MA's), (Start: 29 @26766 has 143 MA's), (40, 26643), (42, 26628), (51, 26541), (65, 26391), (71, 26334), (72, 26319), (91, 26040), (94, 26010), (96, 25980), (97, 25977), (109, 25872), (111, 25854), (113, 25842), (115, 25809), (119, 25758), (121, 25725),

Gene: Xebius_37 Start: 26794, Stop: 25631, Start Num: 30

Candidate Starts for Xebius_37:

(24, 26830), (Start: 25 @26821 has 3 MA's), (Start: 30 @26794 has 37 MA's), (40, 26683), (41, 26680), (47, 26635), (62, 26449), (67, 26416), (69, 26398), (71, 26374), (72, 26359), (76, 26308), (83, 26218), (91, 26080), (94, 26050), (96, 26020), (100, 25993), (112, 25891), (119, 25798), (121, 25765), (122, 25741), (123, 25729),

Gene: YuuY_36 Start: 27283, Stop: 26087, Start Num: 28

Candidate Starts for YuuY_36:

(15, 27346), (Start: 28 @27283 has 16 MA's), (Start: 29 @27274 has 143 MA's), (39, 27166), (40, 27151), (69, 26857), (70, 26845), (71, 26833), (72, 26818), (76, 26767), (91, 26539), (96, 26479), (97, 26476), (103, 26416), (106, 26401), (112, 26350), (115, 26308), (119, 26257), (123, 26188),

Gene: Zada_38 Start: 27054, Stop: 25879, Start Num: 29

Candidate Starts for Zada_38:

(8, 27174), (16, 27123), (Start: 28 @27063 has 16 MA's), (Start: 29 @27054 has 143 MA's), (40, 26931), (42, 26916), (51, 26829), (65, 26679), (71, 26622), (72, 26607), (91, 26328), (94, 26298), (96, 26268), (97, 26265), (109, 26160), (111, 26142), (113, 26130), (115, 26097), (119, 26046), (121, 26013),

Gene: Zayuliv_35 Start: 25574, Stop: 24396, Start Num: 30

Candidate Starts for Zayuliv_35:

(17, 25646), (20, 25631), (Start: 30 @25574 has 37 MA's), (40, 25460), (71, 25142), (72, 25127), (76, 25076), (89, 24884), (91, 24848), (96, 24788), (97, 24785), (106, 24710), (112, 24659), (120, 24554), (123, 24497),

Gene: Zenitsu_37 Start: 26827, Stop: 25664, Start Num: 30

Candidate Starts for Zenitsu_37:

(24, 26863), (Start: 25 @26854 has 3 MA's), (Start: 30 @26827 has 37 MA's), (40, 26716), (47, 26668), (62, 26482), (67, 26449), (69, 26431), (71, 26407), (72, 26392), (76, 26341), (83, 26251), (91, 26113), (94, 26083), (96, 26053), (97, 26050), (100, 26026), (112, 25924), (119, 25831), (121, 25798), (122, 25774), (123, 25762),

Gene: Zepp_36 Start: 25033, Stop: 23855, Start Num: 30

Candidate Starts for Zepp_36:

(17, 25105), (20, 25090), (Start: 30 @25033 has 37 MA's), (40, 24919), (71, 24601), (72, 24586), (76, 24535), (89, 24343), (91, 24307), (96, 24247), (97, 24244), (106, 24169), (112, 24118), (120, 24013), (123, 23956),