

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 169779 Report

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

Pham number 169779 has 149 members, 15 are drafts.

Phages represented in each track:

- Track 1 : Oats_26, SoilGremlin_26, Espinosa_26, JasperRussell_26, Lovelyunicorn_26, Clancy_26, StirfryIV_27, Jerbirus_27, Oxtober96_26, Phireproof_26, Renzie_26, Ilzat_26, ParleG_26, AranulaLuti_26, Asta_26, HanSolo_26, Velene_26, TinSulphur_26, KannH_26, Inventa_26, Ludgate_26, Riyhil_26, ManRay_26, Teagan_26, Shee_26, MillyPhilly_26, Aubergine_26, HankSprout_27, Alyxandracam_26, Gargoyle_26, Kurt1_26, Rog141_26, Rapheph_26, Delphidian_27, Nagem_26, TatarkaPM_26, Antoinette_26, AlexAdler_26, Winzigespinne_26, SJay_26, Janus167_26, Knox_26, Peep_26, Tenda_26, JeriBeth_27, AxiPup_26, Phriends_26, Baines_26, Convict_26, Superfresh_26, Byron23_26, Papafritta_26, Pherferi_26, Chako_26, Pocket_26, Dave_26, Gubbabump_26, Blage_26, WildNOut_26, Gershwin_26, Den3_26, Stanktossa_26, PhredFlintston_26, MaeLinda_26, NickSell_27, Martin_27, Dothraki_26, OldNelly_26, Greys_26, HungryHenry_26, Bandik_26, Figueroism_26, Christoph_26, Strathdee_26, Kale_26, Sedgewig_26, Robinson_26, TeddyBear_26, Ioannes_26, BeautPeep30_26, BigRedClifford_26, Duocatuli_26, BonesMcCoy_26, Benjalauen_27, StingRay_26, Phiderman_26, Thompsone_26, Thorongil_26, Raptor_26, MrWorldwide_26
- Track 2 : Schnapsidee_26, Peppino_26, Raccoon_26, BeeBee8_27
- Track 3 : Balsa_26, Hamlet_26, Redfield_26
- Track 4 : Erla_26, Nattles_26, SonOfLevi_26, Garey24_26, Chamuel_26, Bonino_26, Calix_26, Etta_26, Gelo_26, Klimt_26
- Track 5 : McGalleon_27, JasonD_30
- Track 6 : Endor_27
- Track 7 : Etna_26
- Track 8 : KingJulien_26, Leafus_26, Stormbreaker8_26
- Track 9 : PuppyEggo_26, Vispistious_26, ShaiHulud_26
- Track 10 : Agente005_27
- Track 11 : Acosta_27
- Track 12 : Jenos_28
- Track 13 : FarmerDoug_26
- Track 14 : Zada_26
- Track 15 : MonChoix_25
- Track 16 : GardenB_26
- Track 17 : Quartz_25
- Track 18 : Mandalorian_25, Nucci_25, Carostasia_25
- Track 19 : Juanyo_25
- Track 20 : YuuY_25

- Track 21 : Pajaza_25, Casey_25, Pikmin_25
- Track 22 : Sinatra_26, PrincePhergus_26
- Track 23 : Lucky3_26, Guetzie_26, SirVictor_26, Golden_26
- Track 24 : Bustleton_26, Pherbot_26, Kauala_26
- Track 25 : Koji_26
- Track 26 : BouleyBill_27
- Track 27 : Theresita_26
- Track 28 : Schubert_26
- Track 29 : Cheeto1_27
- Track 30 : ChickenKing_26
- Track 31 : GaeCeo_27

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

The start number called the most often in the published annotations is 8, it was called in 119 of the 134 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acosta_27, Agente005_27, AlexAdler_26, Alyxandracam_26, Antoinette_26, AranulaLuti_26, Asta_26, Aubergine_26, AxiPup_26, Baines_26, Bandik_26, BeautPeep30_26, Benjalauren_27, BigRedClifford_26, Blage_26, BonesMcCoy_26, Bonino_26, BouleyBill_27, Bustleton_26, Byron23_26, Calix_26, Casey_25, Chako_26, Chamuel_26, Cheeto1_27, ChickenKing_26, Christoph_26, Clancy_26, Convict_26, Dave_26, Delphidian_27, Den3_26, Dothraki_26, Duocatuli_26, Erla_26, Espinosa_26, Etna_26, Etta_26, FarmerDoug_26, Figueroism_26, GaeCeo_27, GardenB_26, Garey24_26, Gargoyle_26, Gelo_26, Gershwin_26, Golden_26, Greys_26, Gubbabump_26, Guetzie_26, HanSolo_26, HankSprout_27, HungryHenry_26, Ilzat_26, Inventa_26, Ioannes_26, Janus167_26, JasonD_30, JasperRussell_26, Jerbirus_27, JeriBeth_27, Juanyo_25, Kale_26, KannH_26, Kauala_26, Klimt_26, Knox_26, Koji_26, Kurt1_26, Lovelyunicorn_26, Lucky3_26, Ludgate_26, MaeLinda_26, ManRay_26, Martin_27, McGalleon_27, MillyPhilly_26, MrWorldwide_26, Nagem_26, Nattles_26, NickSell_27, Oats_26, OldNelly_26, Oxtober96_26, Pajaza_25, Papafritta_26, ParleG_26, Peep_26, Pherbot_26, Pherferi_26, Phiderman_26, Phireproof_26, PhredFlintston_26, Phriends_26, Pikmin_25, Pocket_26, PrincePhergus_26, PuppyEggo_26, Rapheph_26, Raptor_26, Renzie_26, Riyhil_26, Robinson_26, Rog141_26, SJay_26, Schubert_26, Sedgewig_26, ShaiHulud_26, Shee_26, Sinatra_26, SirVictor_26, SoilGremlin_26, SonOfLevi_26, Stanktossa_26, StingRay_26, StirfryIV_27, Strathdee_26, Superfresh_26, TatarkaPM_26, Teagan_26, TeddyBear_26, Tenda_26, Theresita_26, Thompsone_26, Thorongil_26, TinSulphur_26, Velene_26, Vispistious_26, WildNOut_26, Winzigespinne_26, YuuY_25, Zada_26,

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

-

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

- Balsa_26, BeeBee8_27, Carostasia_25, Endor_27, Hamlet_26, Jenos_28, KingJulien_26, Leafus_26, Mandalorian_25, MonChoix_25, Nucci_25, Peppino_26, Quartz_25, Raccoon_26, Redfield_26, Schnapsidee_26, Stormbreaker8_26,

Summary by start number:

Start 6:

- Found in 12 of 149 (8.1%) of genes in pham
- Manual Annotations of this start: 11 of 134
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Balsa_26 (EA1), BeeBee8_27 (EA1), Endor_27 (EA1), Hamlet_26 (EA1), Jenos_28 (EA1), KingJulien_26 (EA1), Leafus_26 (EA1), Peppino_26 (EA1), Raccoon_26 (EA1), Redfield_26 (EA1), Schnapsidee_26 (EA1), Stormbreaker8_26 (EA1),

Start 7:

- Found in 5 of 149 (3.4%) of genes in pham
- Manual Annotations of this start: 4 of 134
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Carostasia_25 (EA10), Mandalorian_25 (EA10), MonChoix_25 (EA1), Nucci_25 (EA10), Quartz_25 (EA10),

Start 8:

- Found in 132 of 149 (88.6%) of genes in pham
- Manual Annotations of this start: 119 of 134
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acosta_27 (EA1), Agente005_27 (EA1), AlexAdler_26 (EA1), Alyxandracam_26 (EA1), Antoinette_26 (EA1), AranulaLuti_26 (EA1), Asta_26 (EA1), Aubergine_26 (EA1), AxiPup_26 (EA1), Baines_26 (EA1), Bandik_26 (EA1), BeautPeep30_26 (EA1), Benjalauen_27 (EA1), BigRedClifford_26 (EA1), Blage_26 (EA1), BonesMcCoy_26 (EA1), Bonino_26 (EA1), BouleyBill_27 (EA4), Bustleton_26 (EA4), Byron23_26 (EA1), Calix_26 (EA1), Casey_25 (EA3), Chako_26 (EA1), Chamuel_26 (EA1), Cheeto1_27 (EA9), ChickenKing_26 (EA9), Christoph_26 (EA1), Clancy_26 (EA1), Convict_26 (EA1), Dave_26 (EA1), Delphidian_27 (EA1), Den3_26 (EA1), Dothraki_26 (EA1), Duocatuli_26 (EA1), Erla_26 (EA1), Espinosa_26 (EA1), Etna_26 (EA1), Etta_26 (EA1), FarmerDoug_26 (EA1), Figueroism_26 (EA1), GaeCeo_27 (EA9), GardenB_26 (EA1), Garey24_26 (EA1), Gargoyle_26 (EA1), Gelo_26 (EA1), Gershwin_26 (EA1), Golden_26 (EA4), Greys_26 (EA1), Gubbabump_26 (EA1), Guetzie_26 (EA4), HanSolo_26 (EA1), HankSprout_27 (EA1), HungryHenry_26 (EA1), Ilzat_26 (EA1), Inventa_26 (EA1), Ioannes_26 (EA1), Janus167_26 (EA1), JasonD_30 (EA1), JasperRussell_26 (EA1), Jerbirus_27 (EA1), JeriBeth_27 (EA1), Juanyo_25 (EA10), Kale_26 (EA1), KannH_26 (EA1), Kauala_26 (EA4), Klimt_26 (EA1), Knox_26 (EA1), Koji_26 (EA4), Kurt1_26 (EA1), Lovelyunicorn_26 (EA1), Lucky3_26 (EA4), Ludgate_26 (EA1), MaeLinda_26 (EA1), ManRay_26 (EA1), Martin_27 (EA1), McGalleon_27 (EA1), MillyPhilly_26 (EA1), MrWorldwide_26 (EA1), Nagem_26 (EA1), Nattles_26 (EA1), NickSell_27 (EA1), Oats_26 (EA1), OldNelly_26 (EA1), Oxtober96_26 (EA1), Pajaza_25 (EA3), Papafritta_26 (EA1), ParleG_26 (EA1), Peep_26 (EA1), Pherbot_26 (EA4), Pherferi_26 (EA1), Phiderman_26 (EA1), Phireproof_26 (EA1), PhredFlintston_26 (EA1), Phriends_26 (EA1), Pikmin_25 (EA3), Pocket_26 (EA1), PrincePhergus_26 (EA4), PuppyEggo_26 (EA1), Rappheph_26 (EA1), Raptor_26 (EA1), Renzie_26 (EA1), Riyhil_26 (EA1), Robinson_26 (EA1), Rog141_26 (EA1), SJay_26 (EA1), Schubert_26 (EA8), Sedgewig_26 (EA1), ShaiHulud_26 (EA1), Shee_26 (EA1), Sinatra_26 (EA4), SirVictor_26 (EA4), SoilGremlin_26 (EA1), SonOfLevi_26 (EA1), Stanktossa_26 (EA1), StingRay_26 (EA1), StirfryIV_27 (EA1), Strathdee_26 (EA1), Superfresh_26 (EA1), TatarkaPM_26 (EA1), Teagan_26 (EA1), TeddyBear_26 (EA1), Tenda_26 (EA1), Theresita_26 (EA7), Thompsone_26 (EA1), Thorongil_26

(EA1), TinSulphur_26 (EA1), Velene_26 (EA1), Vispistious_26 (EA1), WildNOOut_26 (EA1), Winzigespinne_26 (EA1), YuuY_25 (EA10), Zada_26 (EA1),

Summary by clusters:

There are 7 clusters represented in this pham: EA10, EA9, EA8, EA1, EA3, EA4, EA7,

Info for manual annotations of cluster EA1:

- Start number 6 was manually annotated 11 times for cluster EA1.
- Start number 7 was manually annotated 1 time for cluster EA1.
- Start number 8 was manually annotated 99 times for cluster EA1.

Info for manual annotations of cluster EA10:

- Start number 7 was manually annotated 3 times for cluster EA10.
- Start number 8 was manually annotated 2 times for cluster EA10.

Info for manual annotations of cluster EA3:

- Start number 8 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 8 was manually annotated 10 times for cluster EA4.

Info for manual annotations of cluster EA7:

- Start number 8 was manually annotated 1 time for cluster EA7.

Info for manual annotations of cluster EA8:

- Start number 8 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:

- Start number 8 was manually annotated 3 times for cluster EA9.

Gene Information:

Gene: Acosta_27 Start: 19782, Stop: 20120, Start Num: 8

Candidate Starts for Acosta_27:

(Start: 8 @19782 has 119 MA's), (17, 19896), (26, 19971), (30, 20052), (36, 20073), (38, 20088),

Gene: Agente005_27 Start: 19963, Stop: 20304, Start Num: 8

Candidate Starts for Agente005_27:

(1, 19852), (4, 19927), (Start: 8 @19963 has 119 MA's), (17, 20077), (30, 20233), (32, 20239),

Gene: AlexAdler_26 Start: 19482, Stop: 19826, Start Num: 8

Candidate Starts for AlexAdler_26:

(1, 19365), (Start: 8 @19482 has 119 MA's), (15, 19587), (17, 19596), (30, 19755), (32, 19761), (35, 19773),

Gene: Alyxandracam_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Alyxandracam_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Antoinette_26 Start: 19482, Stop: 19823, Start Num: 8

Candidate Starts for Antoinette_26:

(1, 19365), (Start: 8 @19482 has 119 MA's), (15, 19587), (17, 19596), (30, 19752), (32, 19758), (35, 19770),

Gene: AranulaLuti_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for AranulaLuti_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: Asta_26 Start: 19791, Stop: 20132, Start Num: 8

Candidate Starts for Asta_26:

(1, 19674), (Start: 8 @19791 has 119 MA's), (15, 19896), (17, 19905), (30, 20064), (32, 20070), (35, 20082),

Gene: Aubergine_26 Start: 19791, Stop: 20132, Start Num: 8

Candidate Starts for Aubergine_26:

(1, 19674), (Start: 8 @19791 has 119 MA's), (15, 19896), (17, 19905), (30, 20064), (32, 20070), (35, 20082),

Gene: AxiPup_26 Start: 19491, Stop: 19835, Start Num: 8

Candidate Starts for AxiPup_26:

(1, 19374), (Start: 8 @19491 has 119 MA's), (15, 19596), (17, 19605), (30, 19764), (32, 19770), (35, 19782),

Gene: Baines_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for Baines_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: Balsa_26 Start: 19811, Stop: 20152, Start Num: 6

Candidate Starts for Balsa_26:

(1, 19700), (4, 19775), (5, 19778), (Start: 6 @19811 has 11 MA's), (17, 19925), (30, 20081), (32, 20087), (35, 20099),

Gene: Bandik_26 Start: 19490, Stop: 19831, Start Num: 8

Candidate Starts for Bandik_26:

(1, 19373), (Start: 8 @19490 has 119 MA's), (15, 19595), (17, 19604), (30, 19760), (32, 19766), (35, 19778),

Gene: BeautPeep30_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for BeautPeep30_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: BeeBee8_27 Start: 19977, Stop: 20318, Start Num: 6

Candidate Starts for BeeBee8_27:

(1, 19866), (4, 19941), (5, 19944), (Start: 6 @19977 has 11 MA's), (17, 20091), (23, 20130), (30, 20247), (32, 20253), (35, 20265),

Gene: Benjalauren_27 Start: 19787, Stop: 20128, Start Num: 8

Candidate Starts for Benjalauren_27:

(1, 19670), (Start: 8 @19787 has 119 MA's), (15, 19892), (17, 19901), (30, 20060), (32, 20066), (35, 20078),

Gene: BigRedClifford_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for BigRedClifford_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Blage_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Blage_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: BonesMcCoy_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for BonesMcCoy_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Bonino_26 Start: 19767, Stop: 20108, Start Num: 8

Candidate Starts for Bonino_26:

(1, 19650), (2, 19668), (Start: 8 @19767 has 119 MA's), (15, 19872), (17, 19881), (30, 20040), (32, 20046), (35, 20058),

Gene: BouleyBill_27 Start: 20027, Stop: 20320, Start Num: 8

Candidate Starts for BouleyBill_27:

(Start: 8 @20027 has 119 MA's), (15, 20132), (17, 20141), (20, 20156), (23, 20180), (32, 20285), (33, 20291),

Gene: Bustleton_26 Start: 20027, Stop: 20320, Start Num: 8

Candidate Starts for Bustleton_26:

(Start: 8 @20027 has 119 MA's), (15, 20132), (17, 20141), (23, 20180), (32, 20285), (33, 20291),

Gene: Byron23_26 Start: 19499, Stop: 19840, Start Num: 8

Candidate Starts for Byron23_26:

(1, 19382), (Start: 8 @19499 has 119 MA's), (15, 19604), (17, 19613), (30, 19769), (32, 19775), (35, 19787),

Gene: Calix_26 Start: 19771, Stop: 20112, Start Num: 8

Candidate Starts for Calix_26:

(1, 19654), (2, 19672), (Start: 8 @19771 has 119 MA's), (15, 19876), (17, 19885), (30, 20044), (32, 20050), (35, 20062),

Gene: Carostasia_25 Start: 19946, Stop: 20254, Start Num: 7

Candidate Starts for Carostasia_25:

(Start: 7 @19946 has 4 MA's), (10, 19973), (12, 19994), (15, 20051), (17, 20060), (18, 20066), (23, 20099), (30, 20195), (32, 20201),

Gene: Casey_25 Start: 19954, Stop: 20253, Start Num: 8

Candidate Starts for Casey_25:

(Start: 8 @19954 has 119 MA's), (12, 20002), (15, 20059), (17, 20068), (18, 20074), (24, 20110), (33, 20218), (34, 20221),

Gene: Chako_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for Chako_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: Chamuel_26 Start: 19773, Stop: 20114, Start Num: 8

Candidate Starts for Chamuel_26:

(1, 19656), (2, 19674), (Start: 8 @19773 has 119 MA's), (15, 19878), (17, 19887), (30, 20046), (32, 20052), (35, 20064),

Gene: Cheeto1_27 Start: 19860, Stop: 20216, Start Num: 8

Candidate Starts for Cheeto1_27:

(Start: 8 @19860 has 119 MA's), (9, 19869), (12, 19908), (17, 19974), (19, 19986), (22, 20013), (25, 20031), (30, 20133), (32, 20139),

Gene: ChickenKing_26 Start: 19758, Stop: 20114, Start Num: 8

Candidate Starts for ChickenKing_26:

(Start: 8 @19758 has 119 MA's), (9, 19767), (12, 19806), (17, 19872), (22, 19911), (25, 19929), (30, 20031), (32, 20037),

Gene: Christoph_26 Start: 19789, Stop: 20130, Start Num: 8

Candidate Starts for Christoph_26:

(1, 19672), (Start: 8 @19789 has 119 MA's), (15, 19894), (17, 19903), (30, 20062), (32, 20068), (35, 20080),

Gene: Clancy_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for Clancy_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: Convict_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Convict_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Dave_26 Start: 19482, Stop: 19823, Start Num: 8

Candidate Starts for Dave_26:

(1, 19365), (Start: 8 @19482 has 119 MA's), (15, 19587), (17, 19596), (30, 19752), (32, 19758), (35, 19770),

Gene: Delphidian_27 Start: 19493, Stop: 19834, Start Num: 8

Candidate Starts for Delphidian_27:

(1, 19376), (Start: 8 @19493 has 119 MA's), (15, 19598), (17, 19607), (30, 19763), (32, 19769), (35, 19781),

Gene: Den3_26 Start: 19498, Stop: 19839, Start Num: 8

Candidate Starts for Den3_26:

(1, 19381), (Start: 8 @19498 has 119 MA's), (15, 19603), (17, 19612), (30, 19768), (32, 19774), (35, 19786),

Gene: Dothraki_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for Dothraki_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Duocatuli_26 Start: 19778, Stop: 20119, Start Num: 8
Candidate Starts for Duocatuli_26:
(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: Endor_27 Start: 19943, Stop: 20284, Start Num: 6
Candidate Starts for Endor_27:
(Start: 6 @19943 has 11 MA's), (16, 20051), (17, 20057), (32, 20219),

Gene: Erla_26 Start: 19771, Stop: 20112, Start Num: 8
Candidate Starts for Erla_26:
(1, 19654), (2, 19672), (Start: 8 @19771 has 119 MA's), (15, 19876), (17, 19885), (30, 20044), (32, 20050), (35, 20062),

Gene: Espinosa_26 Start: 19789, Stop: 20130, Start Num: 8
Candidate Starts for Espinosa_26:
(1, 19672), (Start: 8 @19789 has 119 MA's), (15, 19894), (17, 19903), (30, 20062), (32, 20068), (35, 20080),

Gene: Etna_26 Start: 19804, Stop: 20145, Start Num: 8
Candidate Starts for Etna_26:
(1, 19693), (4, 19768), (5, 19771), (Start: 8 @19804 has 119 MA's), (17, 19918), (30, 20074), (32, 20080), (35, 20092),

Gene: Etta_26 Start: 19775, Stop: 20116, Start Num: 8
Candidate Starts for Etta_26:
(1, 19658), (2, 19676), (Start: 8 @19775 has 119 MA's), (15, 19880), (17, 19889), (30, 20048), (32, 20054), (35, 20066),

Gene: FarmerDoug_26 Start: 19526, Stop: 19864, Start Num: 8
Candidate Starts for FarmerDoug_26:
(Start: 8 @19526 has 119 MA's), (17, 19640), (21, 19661), (30, 19796), (32, 19802),

Gene: Figueroism_26 Start: 19478, Stop: 19822, Start Num: 8
Candidate Starts for Figueroism_26:
(1, 19361), (Start: 8 @19478 has 119 MA's), (15, 19583), (17, 19592), (30, 19751), (32, 19757), (35, 19769),

Gene: GaeCeo_27 Start: 19931, Stop: 20287, Start Num: 8
Candidate Starts for GaeCeo_27:
(Start: 8 @19931 has 119 MA's), (9, 19940), (12, 19979), (17, 20045), (22, 20084), (30, 20204), (32, 20210),

Gene: GardenB_26 Start: 19810, Stop: 20151, Start Num: 8
Candidate Starts for GardenB_26:
(Start: 8 @19810 has 119 MA's), (17, 19924), (30, 20080), (32, 20086),

Gene: Garey24_26 Start: 19754, Stop: 20095, Start Num: 8
Candidate Starts for Garey24_26:
(1, 19637), (2, 19655), (Start: 8 @19754 has 119 MA's), (15, 19859), (17, 19868), (30, 20027), (32, 20033), (35, 20045),

Gene: Gargoyle_26 Start: 19496, Stop: 19837, Start Num: 8
Candidate Starts for Gargoyle_26:
(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Gelo_26 Start: 19775, Stop: 20116, Start Num: 8
Candidate Starts for Gelo_26:
(1, 19658), (2, 19676), (Start: 8 @19775 has 119 MA's), (15, 19880), (17, 19889), (30, 20048), (32, 20054), (35, 20066),

Gene: Gershwin_26 Start: 19791, Stop: 20132, Start Num: 8
Candidate Starts for Gershwin_26:
(1, 19674), (Start: 8 @19791 has 119 MA's), (15, 19896), (17, 19905), (30, 20064), (32, 20070), (35, 20082),

Gene: Golden_26 Start: 20129, Stop: 20422, Start Num: 8
Candidate Starts for Golden_26:
(Start: 8 @20129 has 119 MA's), (11, 20165), (15, 20234), (17, 20243), (23, 20282), (32, 20387), (33, 20393),

Gene: Greys_26 Start: 19491, Stop: 19832, Start Num: 8
Candidate Starts for Greys_26:
(1, 19374), (Start: 8 @19491 has 119 MA's), (15, 19596), (17, 19605), (30, 19761), (32, 19767), (35, 19779),

Gene: Gubbabump_26 Start: 19780, Stop: 20121, Start Num: 8
Candidate Starts for Gubbabump_26:
(1, 19663), (Start: 8 @19780 has 119 MA's), (15, 19885), (17, 19894), (30, 20053), (32, 20059), (35, 20071),

Gene: Guetzie_26 Start: 20117, Stop: 20410, Start Num: 8
Candidate Starts for Guetzie_26:
(Start: 8 @20117 has 119 MA's), (11, 20153), (15, 20222), (17, 20231), (23, 20270), (32, 20375), (33, 20381),

Gene: Hamlet_26 Start: 19811, Stop: 20152, Start Num: 6
Candidate Starts for Hamlet_26:
(1, 19700), (4, 19775), (5, 19778), (Start: 6 @19811 has 11 MA's), (17, 19925), (30, 20081), (32, 20087), (35, 20099),

Gene: HanSolo_26 Start: 19778, Stop: 20119, Start Num: 8
Candidate Starts for HanSolo_26:
(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: HankSprout_27 Start: 19658, Stop: 19999, Start Num: 8
Candidate Starts for HankSprout_27:
(1, 19541), (Start: 8 @19658 has 119 MA's), (15, 19763), (17, 19772), (30, 19931), (32, 19937), (35, 19949),

Gene: HungryHenry_26 Start: 19788, Stop: 20129, Start Num: 8
Candidate Starts for HungryHenry_26:

(1, 19671), (Start: 8 @19788 has 119 MA's), (15, 19893), (17, 19902), (30, 20061), (32, 20067), (35, 20079),

Gene: Ilzat_26 Start: 19787, Stop: 20128, Start Num: 8

Candidate Starts for Ilzat_26:

(1, 19670), (Start: 8 @19787 has 119 MA's), (15, 19892), (17, 19901), (30, 20060), (32, 20066), (35, 20078),

Gene: Inventa_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for Inventa_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: loannes_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for loannes_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Janus167_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for Janus167_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: JasonD_30 Start: 19945, Stop: 20283, Start Num: 8

Candidate Starts for JasonD_30:

(Start: 8 @19945 has 119 MA's), (17, 20059), (30, 20215), (32, 20221), (38, 20251),

Gene: JasperRussell_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for JasperRussell_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: Jenos_28 Start: 20268, Stop: 20606, Start Num: 6

Candidate Starts for Jenos_28:

(Start: 6 @20268 has 11 MA's), (17, 20382), (32, 20544),

Gene: Jerbirus_27 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for Jerbirus_27:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: JeriBeth_27 Start: 19634, Stop: 19975, Start Num: 8

Candidate Starts for JeriBeth_27:

(1, 19517), (Start: 8 @19634 has 119 MA's), (15, 19739), (17, 19748), (30, 19907), (32, 19913), (35, 19925),

Gene: Juanyo_25 Start: 19830, Stop: 20120, Start Num: 8

Candidate Starts for Juanyo_25:

(Start: 8 @19830 has 119 MA's), (14, 19932), (15, 19935), (17, 19944), (19, 19956), (23, 19983), (33, 20091),

Gene: Kale_26 Start: 19793, Stop: 20134, Start Num: 8

Candidate Starts for Kale_26:

(1, 19676), (Start: 8 @19793 has 119 MA's), (15, 19898), (17, 19907), (30, 20066), (32, 20072), (35, 20084),

Gene: KannH_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for KannH_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: Kauala_26 Start: 20031, Stop: 20324, Start Num: 8

Candidate Starts for Kauala_26:

(Start: 8 @20031 has 119 MA's), (15, 20136), (17, 20145), (23, 20184), (32, 20289), (33, 20295),

Gene: KingJulien_26 Start: 19804, Stop: 20145, Start Num: 6

Candidate Starts for KingJulien_26:

(1, 19693), (4, 19768), (Start: 6 @19804 has 11 MA's), (17, 19918), (30, 20074), (32, 20080), (35, 20092),

Gene: Klimt_26 Start: 19773, Stop: 20114, Start Num: 8

Candidate Starts for Klimt_26:

(1, 19656), (2, 19674), (Start: 8 @19773 has 119 MA's), (15, 19878), (17, 19887), (30, 20046), (32, 20052), (35, 20064),

Gene: Knox_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Knox_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Koji_26 Start: 20156, Stop: 20449, Start Num: 8

Candidate Starts for Koji_26:

(Start: 8 @20156 has 119 MA's), (15, 20261), (17, 20270), (23, 20309), (32, 20414), (33, 20420),

Gene: Kurt1_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for Kurt1_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Leafus_26 Start: 19949, Stop: 20290, Start Num: 6

Candidate Starts for Leafus_26:

(1, 19838), (4, 19913), (Start: 6 @19949 has 11 MA's), (17, 20063), (30, 20219), (32, 20225), (35, 20237),

Gene: Lovelyunicorn_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Lovelyunicorn_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Lucky3_26 Start: 20129, Stop: 20422, Start Num: 8

Candidate Starts for Lucky3_26:

(Start: 8 @20129 has 119 MA's), (11, 20165), (15, 20234), (17, 20243), (23, 20282), (32, 20387), (33, 20393),

Gene: Ludgate_26 Start: 19490, Stop: 19831, Start Num: 8

Candidate Starts for Ludgate_26:

(1, 19373), (Start: 8 @19490 has 119 MA's), (15, 19595), (17, 19604), (30, 19760), (32, 19766), (35, 19778),

Gene: MaeLinda_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for MaeLinda_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: ManRay_26 Start: 19791, Stop: 20132, Start Num: 8

Candidate Starts for ManRay_26:

(1, 19674), (Start: 8 @19791 has 119 MA's), (15, 19896), (17, 19905), (30, 20064), (32, 20070), (35, 20082),

Gene: Mandalorian_25 Start: 19944, Stop: 20252, Start Num: 7

Candidate Starts for Mandalorian_25:

(Start: 7 @19944 has 4 MA's), (10, 19971), (12, 19992), (15, 20049), (17, 20058), (18, 20064), (23, 20097), (30, 20193), (32, 20199),

Gene: Martin_27 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for Martin_27:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: McGalleon_27 Start: 20387, Stop: 20725, Start Num: 8

Candidate Starts for McGalleon_27:

(Start: 8 @20387 has 119 MA's), (17, 20501), (30, 20657), (32, 20663), (38, 20693),

Gene: MillyPhilly_26 Start: 19493, Stop: 19834, Start Num: 8

Candidate Starts for MillyPhilly_26:

(1, 19376), (Start: 8 @19493 has 119 MA's), (15, 19598), (17, 19607), (30, 19763), (32, 19769), (35, 19781),

Gene: MonChoix_25 Start: 19466, Stop: 19801, Start Num: 7

Candidate Starts for MonChoix_25:

(Start: 7 @19466 has 4 MA's), (9, 19475), (17, 19580), (26, 19655), (27, 19661), (28, 19664), (32, 19739),

Gene: MrWorldwide_26 Start: 19497, Stop: 19838, Start Num: 8

Candidate Starts for MrWorldwide_26:

(1, 19380), (Start: 8 @19497 has 119 MA's), (15, 19602), (17, 19611), (30, 19767), (32, 19773), (35, 19785),

Gene: Nagem_26 Start: 19490, Stop: 19831, Start Num: 8

Candidate Starts for Nagem_26:

(1, 19373), (Start: 8 @19490 has 119 MA's), (15, 19595), (17, 19604), (30, 19760), (32, 19766), (35, 19778),

Gene: Nattles_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for Nattles_26:

(1, 19661), (2, 19679), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: NickSell_27 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for NickSell_27:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Nucci_25 Start: 19933, Stop: 20241, Start Num: 7

Candidate Starts for Nucci_25:

(Start: 7 @19933 has 4 MA's), (10, 19960), (12, 19981), (15, 20038), (17, 20047), (18, 20053), (23, 20086), (30, 20182), (32, 20188),

Gene: Oats_26 Start: 19791, Stop: 20132, Start Num: 8

Candidate Starts for Oats_26:

(1, 19674), (Start: 8 @19791 has 119 MA's), (15, 19896), (17, 19905), (30, 20064), (32, 20070), (35, 20082),

Gene: OldNelly_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for OldNelly_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Oxtober96_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Oxtober96_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Pajaza_25 Start: 19954, Stop: 20253, Start Num: 8

Candidate Starts for Pajaza_25:

(Start: 8 @19954 has 119 MA's), (12, 20002), (15, 20059), (17, 20068), (18, 20074), (24, 20110), (33, 20218), (34, 20221),

Gene: Papafritta_26 Start: 19787, Stop: 20128, Start Num: 8

Candidate Starts for Papafritta_26:

(1, 19670), (Start: 8 @19787 has 119 MA's), (15, 19892), (17, 19901), (30, 20060), (32, 20066), (35, 20078),

Gene: ParleG_26 Start: 19497, Stop: 19838, Start Num: 8

Candidate Starts for ParleG_26:

(1, 19380), (Start: 8 @19497 has 119 MA's), (15, 19602), (17, 19611), (30, 19767), (32, 19773), (35, 19785),

Gene: Peep_26 Start: 19482, Stop: 19823, Start Num: 8

Candidate Starts for Peep_26:

(1, 19365), (Start: 8 @19482 has 119 MA's), (15, 19587), (17, 19596), (30, 19752), (32, 19758), (35, 19770),

Gene: Peppino_26 Start: 19802, Stop: 20143, Start Num: 6

Candidate Starts for Peppino_26:

(1, 19691), (4, 19766), (5, 19769), (Start: 6 @19802 has 11 MA's), (17, 19916), (23, 19955), (30, 20072), (32, 20078), (35, 20090),

Gene: Pherbot_26 Start: 20026, Stop: 20319, Start Num: 8

Candidate Starts for Pherbot_26:

(Start: 8 @20026 has 119 MA's), (15, 20131), (17, 20140), (23, 20179), (32, 20284), (33, 20290),

Gene: Pherferi_26 Start: 19496, Stop: 19837, Start Num: 8
Candidate Starts for Pherferi_26:
(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Phiderman_26 Start: 19493, Stop: 19834, Start Num: 8
Candidate Starts for Phiderman_26:
(1, 19379), (Start: 8 @19493 has 119 MA's), (15, 19598), (17, 19607), (30, 19763), (32, 19769), (35, 19781),

Gene: Phireproof_26 Start: 19496, Stop: 19837, Start Num: 8
Candidate Starts for Phireproof_26:
(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: PhredFlintston_26 Start: 19496, Stop: 19837, Start Num: 8
Candidate Starts for PhredFlintston_26:
(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Phriends_26 Start: 19496, Stop: 19837, Start Num: 8
Candidate Starts for Phriends_26:
(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Pikmin_25 Start: 19954, Stop: 20253, Start Num: 8
Candidate Starts for Pikmin_25:
(Start: 8 @19954 has 119 MA's), (12, 20002), (15, 20059), (17, 20068), (18, 20074), (24, 20110), (33, 20218), (34, 20221),

Gene: Pocket_26 Start: 19776, Stop: 20117, Start Num: 8
Candidate Starts for Pocket_26:
(1, 19659), (Start: 8 @19776 has 119 MA's), (15, 19881), (17, 19890), (30, 20049), (32, 20055), (35, 20067),

Gene: PrincePhergus_26 Start: 20029, Stop: 20322, Start Num: 8
Candidate Starts for PrincePhergus_26:
(Start: 8 @20029 has 119 MA's), (15, 20134), (17, 20143), (23, 20182), (32, 20287), (33, 20293),

Gene: PuppyEggo_26 Start: 19491, Stop: 19835, Start Num: 8
Candidate Starts for PuppyEggo_26:
(1, 19374), (Start: 8 @19491 has 119 MA's), (15, 19596), (17, 19605), (30, 19764), (32, 19770), (35, 19782), (37, 19797),

Gene: Quartz_25 Start: 19945, Stop: 20253, Start Num: 7
Candidate Starts for Quartz_25:
(Start: 7 @19945 has 4 MA's), (10, 19972), (12, 19993), (13, 20011), (15, 20050), (17, 20059), (23, 20098), (30, 20194), (32, 20200),

Gene: Raccoon_26 Start: 19810, Stop: 20151, Start Num: 6
Candidate Starts for Raccoon_26:
(1, 19699), (4, 19774), (5, 19777), (Start: 6 @19810 has 11 MA's), (17, 19924), (23, 19963), (30, 20080), (32, 20086), (35, 20098),

Gene: Rapheph_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for Rapheph_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Raptor_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Raptor_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Redfield_26 Start: 19810, Stop: 20151, Start Num: 6

Candidate Starts for Redfield_26:

(1, 19699), (4, 19774), (5, 19777), (Start: 6 @19810 has 11 MA's), (17, 19924), (30, 20080), (32, 20086), (35, 20098),

Gene: Renzie_26 Start: 19482, Stop: 19823, Start Num: 8

Candidate Starts for Renzie_26:

(1, 19365), (Start: 8 @19482 has 119 MA's), (15, 19587), (17, 19596), (30, 19752), (32, 19758), (35, 19770),

Gene: Riyhil_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for Riyhil_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Robinson_26 Start: 19485, Stop: 19829, Start Num: 8

Candidate Starts for Robinson_26:

(1, 19368), (Start: 8 @19485 has 119 MA's), (15, 19590), (17, 19599), (30, 19758), (32, 19764), (35, 19776),

Gene: Rog141_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for Rog141_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: SJay_26 Start: 19491, Stop: 19832, Start Num: 8

Candidate Starts for SJay_26:

(1, 19374), (Start: 8 @19491 has 119 MA's), (15, 19596), (17, 19605), (30, 19761), (32, 19767), (35, 19779),

Gene: Schnapsidee_26 Start: 19803, Stop: 20144, Start Num: 6

Candidate Starts for Schnapsidee_26:

(1, 19692), (4, 19767), (5, 19770), (Start: 6 @19803 has 11 MA's), (17, 19917), (23, 19956), (30, 20073), (32, 20079), (35, 20091),

Gene: Schubert_26 Start: 20139, Stop: 20444, Start Num: 8

Candidate Starts for Schubert_26:

(3, 20070), (Start: 8 @20139 has 119 MA's), (9, 20148), (12, 20187), (13, 20205), (15, 20244), (17, 20253), (18, 20259), (29, 20379), (31, 20406),

Gene: Sedgewig_26 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for Sedgewig_26:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: ShaiHulud_26 Start: 19491, Stop: 19835, Start Num: 8

Candidate Starts for ShaiHulud_26:

(1, 19374), (Start: 8 @19491 has 119 MA's), (15, 19596), (17, 19605), (30, 19764), (32, 19770), (35, 19782), (37, 19797),

Gene: Shee_26 Start: 19493, Stop: 19834, Start Num: 8

Candidate Starts for Shee_26:

(1, 19376), (Start: 8 @19493 has 119 MA's), (15, 19598), (17, 19607), (30, 19763), (32, 19769), (35, 19781),

Gene: Sinatra_26 Start: 20026, Stop: 20319, Start Num: 8

Candidate Starts for Sinatra_26:

(Start: 8 @20026 has 119 MA's), (15, 20131), (17, 20140), (23, 20179), (32, 20284), (33, 20290),

Gene: SirVictor_26 Start: 20117, Stop: 20410, Start Num: 8

Candidate Starts for SirVictor_26:

(Start: 8 @20117 has 119 MA's), (11, 20153), (15, 20222), (17, 20231), (23, 20270), (32, 20375), (33, 20381),

Gene: SoilGremlin_26 Start: 19493, Stop: 19834, Start Num: 8

Candidate Starts for SoilGremlin_26:

(1, 19376), (Start: 8 @19493 has 119 MA's), (15, 19598), (17, 19607), (30, 19763), (32, 19769), (35, 19781),

Gene: SonOfLevi_26 Start: 19773, Stop: 20114, Start Num: 8

Candidate Starts for SonOfLevi_26:

(1, 19656), (2, 19674), (Start: 8 @19773 has 119 MA's), (15, 19878), (17, 19887), (30, 20046), (32, 20052), (35, 20064),

Gene: Stanktossa_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for Stanktossa_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: StingRay_26 Start: 19787, Stop: 20128, Start Num: 8

Candidate Starts for StingRay_26:

(1, 19670), (Start: 8 @19787 has 119 MA's), (15, 19892), (17, 19901), (30, 20060), (32, 20066), (35, 20078),

Gene: StirfryIV_27 Start: 19778, Stop: 20119, Start Num: 8

Candidate Starts for StirfryIV_27:

(1, 19661), (Start: 8 @19778 has 119 MA's), (15, 19883), (17, 19892), (30, 20051), (32, 20057), (35, 20069),

Gene: Stormbreaker8_26 Start: 19804, Stop: 20145, Start Num: 6

Candidate Starts for Stormbreaker8_26:

(1, 19693), (4, 19768), (Start: 6 @19804 has 11 MA's), (17, 19918), (30, 20074), (32, 20080), (35, 20092),

Gene: Strathdee_26 Start: 19495, Stop: 19836, Start Num: 8

Candidate Starts for Strathdee_26:

(1, 19378), (Start: 8 @19495 has 119 MA's), (15, 19600), (17, 19609), (30, 19765), (32, 19771), (35, 19783),

Gene: Superfresh_26 Start: 19482, Stop: 19823, Start Num: 8

Candidate Starts for Superfresh_26:

(1, 19365), (Start: 8 @19482 has 119 MA's), (15, 19587), (17, 19596), (30, 19752), (32, 19758), (35, 19770),

Gene: TatarkaPM_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for TatarkaPM_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Teagan_26 Start: 19490, Stop: 19831, Start Num: 8

Candidate Starts for Teagan_26:

(1, 19373), (Start: 8 @19490 has 119 MA's), (15, 19595), (17, 19604), (30, 19760), (32, 19766), (35, 19778),

Gene: TeddyBear_26 Start: 19791, Stop: 20132, Start Num: 8

Candidate Starts for TeddyBear_26:

(1, 19674), (Start: 8 @19791 has 119 MA's), (15, 19896), (17, 19905), (30, 20064), (32, 20070), (35, 20082),

Gene: Tenda_26 Start: 19789, Stop: 20130, Start Num: 8

Candidate Starts for Tenda_26:

(1, 19672), (Start: 8 @19789 has 119 MA's), (15, 19894), (17, 19903), (30, 20062), (32, 20068), (35, 20080),

Gene: Theresita_26 Start: 19659, Stop: 19967, Start Num: 8

Candidate Starts for Theresita_26:

(Start: 8 @19659 has 119 MA's), (12, 19707), (15, 19764), (17, 19773), (27, 19845), (31, 19914),

Gene: Thompsone_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Thompsone_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Thorongil_26 Start: 19491, Stop: 19835, Start Num: 8

Candidate Starts for Thorongil_26:

(1, 19374), (Start: 8 @19491 has 119 MA's), (15, 19596), (17, 19605), (30, 19764), (32, 19770), (35, 19782),

Gene: TinSulphur_26 Start: 19496, Stop: 19837, Start Num: 8

Candidate Starts for TinSulphur_26:

(1, 19379), (Start: 8 @19496 has 119 MA's), (15, 19601), (17, 19610), (30, 19766), (32, 19772), (35, 19784),

Gene: Velene_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for Velene_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Vispistious_26 Start: 19491, Stop: 19835, Start Num: 8

Candidate Starts for Vispistious_26:

(1, 19374), (Start: 8 @19491 has 119 MA's), (15, 19596), (17, 19605), (30, 19764), (32, 19770), (35, 19782), (37, 19797),

Gene: WildNOut_26 Start: 19494, Stop: 19835, Start Num: 8

Candidate Starts for WildNOut_26:

(1, 19377), (Start: 8 @19494 has 119 MA's), (15, 19599), (17, 19608), (30, 19764), (32, 19770), (35, 19782),

Gene: Winzigespinne_26 Start: 19777, Stop: 20118, Start Num: 8

Candidate Starts for Winzigespinne_26:

(1, 19660), (Start: 8 @19777 has 119 MA's), (15, 19882), (17, 19891), (30, 20050), (32, 20056), (35, 20068),

Gene: YuuY_25 Start: 19942, Stop: 20235, Start Num: 8

Candidate Starts for YuuY_25:

(Start: 8 @19942 has 119 MA's), (15, 20047), (17, 20056), (19, 20068), (23, 20095), (33, 20206),

Gene: Zada_26 Start: 19475, Stop: 19816, Start Num: 8

Candidate Starts for Zada_26:

(Start: 8 @19475 has 119 MA's), (15, 19580), (17, 19589), (30, 19745), (32, 19751), (35, 19763),