



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 266189 Report

This analysis was run 02/07/26 on database version 634.

Pham number 266189 has 117 members, 8 are drafts.

Phages represented in each track:

- Track 1 : SJay_7, Ludgate_7, Nagem_7, Teagan_7, Bandik_7
- Track 2 : Greys_7, TinSulphur_7, BenJalauren_7, Duocatuli_7, Raptor_7, MaeLinda_7, Rapheph_7, Lovelyunicorn_7, Delphidian_7, Pocket_7, PhredFlintston_7, Jerbirus_7, AxiPup_7, Oats_7, HanSolo_7, RosieMae_7, Convict_7, WildNOut_7, HankSprout_7, Exploradora_7, Oxtober96_7, Chako_7, Kale_7, Bonino_7, Asta_7, Aubergine_7, Phireproof_7, MonChoix_7, Blage_7, Baines_7, AranulaLuti_7, Stanktossa_7, Papafritta_7, Shee_7, JasperRussell_7, KellyGreen_7, Figueroism_7, HungryHenry_7, Merida02_7, StirfryIV_7, Inventa_7, Byron23_7, MillyPhilly_7, Ilzat_7, OldNelly_7, ParleG_7, Janus167_7, Gargoyle_7, Kurt1_7, Pherferi_7, Calix_7, Robinson_7, Strathdee_7, AlexAdler_7, Phriends_7, Tenda_7, Espinosa_7, Kouch_7, Nattles_7, Gubbabump_7, Winzigespinne_7, Martin_8, Vispistious_7, Klimt_7, MrWorldwide_7, PuppyEggo_7, Erla_7, Gershwin_7, CoraRita_7, ManRay_7, KannH_7, BonesMcCoy_7, Gelo_7, Garey24_7, Zada_7, SolidSnake_7, Velene_7, Chamuel_7, ShaiHulud_7, Symere_7, Sedgewig_7, JeriBeth_7, Rog141_7, Den3_7, Dothraki_7, Ioannes_7, Knox_7, Alyxandracam_7, BigRedClifford_7, BeautPeep30_7, TeddyBear_7, StingRay_7, Riyhil_7, Phiderman_7, SoilGremlin_7, Clancy_7, Thompsonsone_7, SonOfLevi_7, TatarkaPM_7, NickSell_7, Christoph_7, Etta_7
- Track 3 : Dave_7, Renzie_7, Peep_7, Antoinette_7, Superfresh_7
- Track 4 : GoingMerry_7
- Track 5 : Thorongil_7
- Track 6 : ChickenKing_7
- Track 7 : Cheeto1_8
- Track 8 : GaeCeo_8

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

The start number called the most often in the published annotations is 2, it was called in 108 of the 109 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlexAdler_7, Alyxandracam_7, Antoinette_7, AranulaLuti_7, Asta_7, Aubergine_7, AxiPup_7, Baines_7, Bandik_7, BeautPeep30_7, BenJalauren_7, BigRedClifford_7, Blage_7, BonesMcCoy_7, Bonino_7, Byron23_7, Calix_7, Chako_7, Chamuel_7,

ChickenKing_7, Christoph_7, Clancy_7, Convict_7, CoraRita_7, Dave_7, Delphidian_7, Den3_7, Dothraki_7, Duocatuli_7, Erla_7, Espinosa_7, Etta_7, Exploradora_7, Figueroism_7, GaeCeo_8, Garey24_7, Gargoyle_7, Gelo_7, Gershwin_7, Greys_7, Gubbabump_7, HanSolo_7, HankSprout_7, HungryHenry_7, Ilzat_7, Inventa_7, Ioannes_7, Janus167_7, JasperRussell_7, Jerbirus_7, JeriBeth_7, Kale_7, KannH_7, KellyGreen_7, Klimt_7, Knox_7, Kouch_7, Kurt1_7, Lovelyunicorn_7, Ludgate_7, MaeLinda_7, ManRay_7, Martin_8, Merida02_7, MillyPhilly_7, MonChoix_7, MrWorldwide_7, Nagem_7, Nattles_7, NickSell_7, Oats_7, OldNelly_7, Oxtober96_7, Papafritta_7, ParleG_7, Peep_7, Pherferi_7, Phiderman_7, Phireproof_7, PhredFlintston_7, Phriends_7, Pocket_7, PuppyEggo_7, Rapheph_7, Raptor_7, Renzie_7, Riyhil_7, Robinson_7, Rog141_7, RosieMae_7, SJay_7, Sedgewig_7, ShaiHulud_7, Shee_7, SoilGremlin_7, SolidSnake_7, SonOfLevi_7, Stanktossa_7, StingRay_7, StirfryIV_7, Strathdee_7, Superfresh_7, Symere_7, TatarkaPM_7, Teagan_7, TeddyBear_7, Tenda_7, Thompsons_7, Thorongil_7, TinSulphur_7, Velene_7, Vispistious_7, WildNOut_7, Winzigespinne_7, Zada_7,

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

- GoingMerry_7,

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

- Cheeto1_8,

Summary by start number:

Start 1:

- Found in 1 of 117 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 109
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cheeto1_8 (EA9),

Start 2:

- Found in 116 of 117 (99.1%) of genes in pham
- Manual Annotations of this start: 108 of 109
- Called 99.1% of time when present
- Phage (with cluster) where this start called: AlexAdler_7 (EA1), Alyxandracam_7 (EA1), Antoinette_7 (EA1), AranulaLuti_7 (EA1), Asta_7 (EA1), Aubergine_7 (EA1), AxiPup_7 (EA1), Baines_7 (EA1), Bandik_7 (EA1), BeautPeep30_7 (EA1), Benjalauren_7 (EA1), BigRedClifford_7 (EA1), Blage_7 (EA1), BonesMcCoy_7 (EA1), Bonino_7 (EA1), Byron23_7 (EA1), Calix_7 (EA1), Chako_7 (EA1), Chamuel_7 (EA1), ChickenKing_7 (EA9), Christoph_7 (EA1), Clancy_7 (EA1), Convict_7 (EA1), CoraRita_7 (EA1), Dave_7 (EA1), Delphidian_7 (EA1), Den3_7 (EA1), Dothraki_7 (EA1), Duocatuli_7 (EA1), Erla_7 (EA1), Espinosa_7 (EA1), Etta_7 (EA1), Exploradora_7 (EA1), Figueroism_7 (EA1), GaeCeo_8 (EA9), Garey24_7 (EA1), Gargoyle_7 (EA1), Gelo_7 (EA1), Gershwin_7 (EA1), Greys_7 (EA1), Gubbabump_7 (EA1), HanSolo_7 (EA1), HankSprout_7 (EA1), HungryHenry_7 (EA1), Ilzat_7 (EA1), Inventa_7 (EA1), Ioannes_7 (EA1), Janus167_7 (EA1), JasperRussell_7 (EA1), Jerbirus_7 (EA1), JeriBeth_7 (EA1), Kale_7 (EA1), KannH_7 (EA1), KellyGreen_7 (EA1), Klimt_7 (EA1), Knox_7 (EA1), Kouch_7 (EA1), Kurt1_7 (EA1), Lovelyunicorn_7 (EA1), Ludgate_7 (EA1), MaeLinda_7 (EA1), ManRay_7 (EA1), Martin_8 (EA1), Merida02_7 (EA1), MillyPhilly_7 (EA1), MonChoix_7 (EA1), MrWorldwide_7 (EA1), Nagem_7 (EA1), Nattles_7 (EA1), NickSell_7 (EA1), Oats_7 (EA1), OldNelly_7 (EA1), Oxtober96_7 (EA1), Papafritta_7 (EA1), ParleG_7 (EA1),

Peep_7 (EA1), Pherferi_7 (EA1), Phiderman_7 (EA1), Phireproof_7 (EA1), PhredFlintston_7 (EA1), Phriends_7 (EA1), Pocket_7 (EA1), PuppyEggo_7 (EA1), Rapheph_7 (EA1), Raptor_7 (EA1), Renzie_7 (EA1), Riyhil_7 (EA1), Robinson_7 (EA1), Rog141_7 (EA1), RosieMae_7 (EA1), SJay_7 (EA1), Sedgewig_7 (EA1), ShaiHulud_7 (EA1), Shee_7 (EA1), SoilGremlin_7 (EA1), SolidSnake_7 (EA1), SonOfLevi_7 (EA1), Stanktossa_7 (EA1), StingRay_7 (EA1), StirfryIV_7 (EA1), Strathdee_7 (EA1), Superfresh_7 (EA1), Symere_7 (EA1), TatarkaPM_7 (EA1), Teagan_7 (EA1), TeddyBear_7 (EA1), Tenda_7 (EA1), Thompsone_7 (EA1), Thorongil_7 (EA1), TinSulphur_7 (EA1), Velene_7 (EA1), Vispistious_7 (EA1), WildNOut_7 (EA1), Winzigespinne_7 (EA1), Zada_7 (EA1),

Start 4:

- Found in 1 of 117 (0.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GoingMerry_7 (EA1),

Summary by clusters:

There are 2 clusters represented in this pham: EA1, EA9,

Info for manual annotations of cluster EA1:

- Start number 2 was manually annotated 106 times for cluster EA1.

Info for manual annotations of cluster EA9:

- Start number 1 was manually annotated 1 time for cluster EA9.
- Start number 2 was manually annotated 2 times for cluster EA9.

Gene Information:

Gene: AlexAdler_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for AlexAdler_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Alyxandracam_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Alyxandracam_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Antoinette_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Antoinette_7:

(Start: 2 @5631 has 108 MA's), (5, 5697), (7, 5781),

Gene: AranulaLuti_7 Start: 5631, Stop: 5882, Start Num: 2

Candidate Starts for AranulaLuti_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Asta_7 Start: 5645, Stop: 5896, Start Num: 2

Candidate Starts for Asta_7:

(Start: 2 @5645 has 108 MA's), (7, 5795),

Gene: Aubergine_7 Start: 5645, Stop: 5896, Start Num: 2

Candidate Starts for Aubergine_7:
(Start: 2 @5645 has 108 MA's), (7, 5795),

Gene: AxiPup_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for AxiPup_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Baines_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Baines_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Bandik_7 Start: 5631, Stop: 5873, Start Num: 2
Candidate Starts for Bandik_7:
(Start: 2 @5631 has 108 MA's), (8, 5793),

Gene: BeautPeep30_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for BeautPeep30_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Benjalauren_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Benjalauren_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: BigRedClifford_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for BigRedClifford_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Blage_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Blage_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: BonesMcCoy_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for BonesMcCoy_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Bonino_7 Start: 5630, Stop: 5875, Start Num: 2
Candidate Starts for Bonino_7:
(Start: 2 @5630 has 108 MA's), (7, 5780),

Gene: Byron23_7 Start: 5634, Stop: 5882, Start Num: 2
Candidate Starts for Byron23_7:
(Start: 2 @5634 has 108 MA's), (7, 5784),

Gene: Calix_7 Start: 5630, Stop: 5875, Start Num: 2
Candidate Starts for Calix_7:
(Start: 2 @5630 has 108 MA's), (7, 5780),

Gene: Chako_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Chako_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Chamuel_7 Start: 5632, Stop: 5877, Start Num: 2
Candidate Starts for Chamuel_7:

(Start: 2 @5632 has 108 MA's), (7, 5782),

Gene: Cheeto1_8 Start: 5764, Stop: 6009, Start Num: 1

Candidate Starts for Cheeto1_8:

(Start: 1 @5764 has 1 MA's), (6, 5887),

Gene: ChickenKing_7 Start: 5587, Stop: 5829, Start Num: 2

Candidate Starts for ChickenKing_7:

(Start: 2 @5587 has 108 MA's), (6, 5707),

Gene: Christoph_7 Start: 5643, Stop: 5894, Start Num: 2

Candidate Starts for Christoph_7:

(Start: 2 @5643 has 108 MA's), (7, 5793),

Gene: Clancy_7 Start: 5631, Stop: 5882, Start Num: 2

Candidate Starts for Clancy_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Convict_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Convict_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: CoraRita_7 Start: 5631, Stop: 5882, Start Num: 2

Candidate Starts for CoraRita_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Dave_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Dave_7:

(Start: 2 @5631 has 108 MA's), (5, 5697), (7, 5781),

Gene: Delphidian_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Delphidian_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Den3_7 Start: 5635, Stop: 5883, Start Num: 2

Candidate Starts for Den3_7:

(Start: 2 @5635 has 108 MA's), (7, 5785),

Gene: Dothraki_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Dothraki_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Duocatuli_7 Start: 5631, Stop: 5882, Start Num: 2

Candidate Starts for Duocatuli_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Erla_7 Start: 5630, Stop: 5875, Start Num: 2

Candidate Starts for Erla_7:

(Start: 2 @5630 has 108 MA's), (7, 5780),

Gene: Espinosa_7 Start: 5643, Stop: 5894, Start Num: 2

Candidate Starts for Espinosa_7:

(Start: 2 @5643 has 108 MA's), (7, 5793),

Gene: Etta_7 Start: 5634, Stop: 5879, Start Num: 2
Candidate Starts for Etta_7:
(Start: 2 @5634 has 108 MA's), (7, 5784),

Gene: Exploradora_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Exploradora_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Figueroism_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Figueroism_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: GaeCeo_8 Start: 5757, Stop: 5999, Start Num: 2
Candidate Starts for GaeCeo_8:
(Start: 2 @5757 has 108 MA's), (6, 5877),

Gene: Garey24_7 Start: 5636, Stop: 5881, Start Num: 2
Candidate Starts for Garey24_7:
(Start: 2 @5636 has 108 MA's), (7, 5786),

Gene: Gargoyle_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Gargoyle_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Gelo_7 Start: 5634, Stop: 5879, Start Num: 2
Candidate Starts for Gelo_7:
(Start: 2 @5634 has 108 MA's), (7, 5784),

Gene: Gershwin_7 Start: 5645, Stop: 5896, Start Num: 2
Candidate Starts for Gershwin_7:
(Start: 2 @5645 has 108 MA's), (7, 5795),

Gene: GoingMerry_7 Start: 5641, Stop: 5892, Start Num: 4
Candidate Starts for GoingMerry_7:
(Start: 2 @5632 has 108 MA's), (4, 5641), (8, 5797),

Gene: Greys_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Greys_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Gubbabump_7 Start: 5633, Stop: 5884, Start Num: 2
Candidate Starts for Gubbabump_7:
(Start: 2 @5633 has 108 MA's), (7, 5783),

Gene: HanSolo_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for HanSolo_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: HankSprout_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for HankSprout_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: HungryHenry_7 Start: 5632, Stop: 5883, Start Num: 2
Candidate Starts for HungryHenry_7:
(Start: 2 @5632 has 108 MA's), (7, 5782),

Gene: Ilzat_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Ilzat_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Inventa_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Inventa_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Ioannes_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Ioannes_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Janus167_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Janus167_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: JasperRussell_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for JasperRussell_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Jerbirus_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Jerbirus_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: JeriBeth_7 Start: 5631, Stop: 5876, Start Num: 2
Candidate Starts for JeriBeth_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Kale_7 Start: 5647, Stop: 5898, Start Num: 2
Candidate Starts for Kale_7:
(Start: 2 @5647 has 108 MA's), (7, 5797),

Gene: KannH_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for KannH_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: KellyGreen_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for KellyGreen_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Klimt_7 Start: 5632, Stop: 5877, Start Num: 2
Candidate Starts for Klimt_7:
(Start: 2 @5632 has 108 MA's), (7, 5782),

Gene: Knox_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Knox_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Kouch_7 Start: 5631, Stop: 5882, Start Num: 2

Candidate Starts for Kouch_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Kurt1_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Kurt1_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Lovelyunicorn_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Lovelyunicorn_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Ludgate_7 Start: 5631, Stop: 5873, Start Num: 2
Candidate Starts for Ludgate_7:
(Start: 2 @5631 has 108 MA's), (8, 5793),

Gene: MaeLinda_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for MaeLinda_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: ManRay_7 Start: 5645, Stop: 5896, Start Num: 2
Candidate Starts for ManRay_7:
(Start: 2 @5645 has 108 MA's), (7, 5795),

Gene: Martin_8 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Martin_8:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Merida02_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Merida02_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: MillyPhilly_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for MillyPhilly_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: MonChoix_7 Start: 5651, Stop: 5911, Start Num: 2
Candidate Starts for MonChoix_7:
(Start: 2 @5651 has 108 MA's), (7, 5801),

Gene: MrWorldwide_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for MrWorldwide_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Nagem_7 Start: 5631, Stop: 5873, Start Num: 2
Candidate Starts for Nagem_7:
(Start: 2 @5631 has 108 MA's), (8, 5793),

Gene: Nattles_7 Start: 5636, Stop: 5881, Start Num: 2
Candidate Starts for Nattles_7:
(Start: 2 @5636 has 108 MA's), (7, 5786),

Gene: NickSell_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for NickSell_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Oats_7 Start: 5645, Stop: 5896, Start Num: 2

Candidate Starts for Oats_7:

(Start: 2 @5645 has 108 MA's), (7, 5795),

Gene: OldNelly_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for OldNelly_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Oxtober96_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Oxtober96_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Papafritta_7 Start: 5631, Stop: 5882, Start Num: 2

Candidate Starts for Papafritta_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: ParleG_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for ParleG_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Peep_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Peep_7:

(Start: 2 @5631 has 108 MA's), (5, 5697), (7, 5781),

Gene: Pherferi_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Pherferi_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Phiderman_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Phiderman_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Phireproof_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Phireproof_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: PhredFlintston_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for PhredFlintston_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Phriends_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for Phriends_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Pocket_7 Start: 5630, Stop: 5881, Start Num: 2

Candidate Starts for Pocket_7:

(Start: 2 @5630 has 108 MA's), (7, 5780),

Gene: PuppyEggo_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for PuppyEggo_7:

(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Rapheph_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Rapheph_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Raptor_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Raptor_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Renzie_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Renzie_7:
(Start: 2 @5631 has 108 MA's), (5, 5697), (7, 5781),

Gene: Riyhil_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Riyhil_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Robinson_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Robinson_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Rog141_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Rog141_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: RosieMae_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for RosieMae_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: SJay_7 Start: 5632, Stop: 5874, Start Num: 2
Candidate Starts for SJay_7:
(Start: 2 @5632 has 108 MA's), (8, 5794),

Gene: Sedgewig_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Sedgewig_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: ShaiHulud_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for ShaiHulud_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Shee_7 Start: 5628, Stop: 5876, Start Num: 2
Candidate Starts for Shee_7:
(Start: 2 @5628 has 108 MA's), (7, 5778),

Gene: SoilGremlin_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for SoilGremlin_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: SolidSnake_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for SolidSnake_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: SonOfLevi_7 Start: 5632, Stop: 5877, Start Num: 2
Candidate Starts for SonOfLevi_7:
(Start: 2 @5632 has 108 MA's), (7, 5782),

Gene: Stanktossa_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Stanktossa_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: StingRay_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for StingRay_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: StirfryIV_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for StirfryIV_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Strathdee_7 Start: 5632, Stop: 5880, Start Num: 2
Candidate Starts for Strathdee_7:
(Start: 2 @5632 has 108 MA's), (7, 5782),

Gene: Superfresh_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Superfresh_7:
(Start: 2 @5631 has 108 MA's), (5, 5697), (7, 5781),

Gene: Symere_7 Start: 5631, Stop: 5882, Start Num: 2
Candidate Starts for Symere_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: TatarkaPM_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for TatarkaPM_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Teagan_7 Start: 5631, Stop: 5873, Start Num: 2
Candidate Starts for Teagan_7:
(Start: 2 @5631 has 108 MA's), (8, 5793),

Gene: TeddyBear_7 Start: 5645, Stop: 5896, Start Num: 2
Candidate Starts for TeddyBear_7:
(Start: 2 @5645 has 108 MA's), (7, 5795),

Gene: Tenda_7 Start: 5643, Stop: 5894, Start Num: 2
Candidate Starts for Tenda_7:
(Start: 2 @5643 has 108 MA's), (7, 5793),

Gene: Thompsone_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Thompsone_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Thorongil_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Thorongil_7:
(Start: 2 @5631 has 108 MA's), (3, 5637), (7, 5781),

Gene: TinSulphur_7 Start: 5631, Stop: 5879, Start Num: 2

Candidate Starts for TinSulphur_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Velene_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Velene_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Vispistious_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Vispistious_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: WildNOut_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for WildNOut_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),

Gene: Winzigespinne_7 Start: 5630, Stop: 5881, Start Num: 2
Candidate Starts for Winzigespinne_7:
(Start: 2 @5630 has 108 MA's), (7, 5780),

Gene: Zada_7 Start: 5631, Stop: 5879, Start Num: 2
Candidate Starts for Zada_7:
(Start: 2 @5631 has 108 MA's), (7, 5781),