



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 85627 Report

This analysis was run 04/28/24 on database version 559.

Pham number 85627 has 62 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Knox_8, Gargoyle_8, Teagan_8, TinSulphur_8, Phireproof_8, Pherferi_8, Den3_8, Phriends_8, MaeLinda_8, Stanktossa_8, Dothraki_8, Bandik_8, Martin_9, Thorongil_8, FarmerDoug_8, AxiPup_8, BeautPeep30_8, PhredFlintston_8, Inventa_8, MillyPhilly_8, Velene_8, Convict_8, Strathdee_8, Riyhil_8, TatarkaPM_8
- Track 2 : Zada_8, Antoinette_8, Robinson_8, Superfresh_8, Peep_8, Dave_8
- Track 3 : Greys_8, SJay_8, ShaiHulud_8, Kurt1_8, Ludgate_8, Nagem_8, BigRedClifford_8, Shee_8, Ioannes_8, Blage_8, Phiderman_8, Delphidian_8, Alyxandracam_8, Lovelyunicorn_8, SoilGremlin_8, Rapheph_8, Raptor_8, MrWorldwide_8, Oxtober96_8, Thompsons_8, Vispistious_8, ParleG_8, Byron23_7, PuppyEggo_8, BonesMcCoy_8, OldNelly_8, NickSell_8, WildNOut_8
- Track 4 : Renzie_8, Figueroism_8, AlexAdler_8

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

The start number called the most often in the published annotations is 1, it was called in 27 of the 53 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlexAdler_8, AxiPup_8, Bandik_8, BeautPeep30_8, Convict_8, Den3_8, Dothraki_8, FarmerDoug_8, Figueroism_8, Gargoyle_8, Inventa_8, Knox_8, MaeLinda_8, Martin_9, MillyPhilly_8, Pherferi_8, Phireproof_8, PhredFlintston_8, Phriends_8, Renzie_8, Riyhil_8, Stanktossa_8, Strathdee_8, TatarkaPM_8, Teagan_8, Thorongil_8, TinSulphur_8, Velene_8,

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

- Alyxandracam_8, Antoinette_8, BigRedClifford_8, Blage_8, BonesMcCoy_8, Byron23_7, Dave_8, Delphidian_8, Greys_8, Ioannes_8, Kurt1_8, Lovelyunicorn_8, Ludgate_8, MrWorldwide_8, Nagem_8, NickSell_8, OldNelly_8, Oxtober96_8, ParleG_8, Peep_8, Phiderman_8, PuppyEggo_8, Rapheph_8, Raptor_8, Robinson_8, SJay_8, ShaiHulud_8, Shee_8, SoilGremlin_8, Superfresh_8, Thompsons_8, Vispistious_8, WildNOut_8, Zada_8,

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

-

Summary by start number:

Start 1:

- Found in 62 of 62 (100.0%) of genes in pham
- Manual Annotations of this start: 27 of 53
- Called 45.2% of time when present
- Phage (with cluster) where this start called: AlexAdler_8 (EA1), AxiPup_8 (EA1), Bandik_8 (EA1), BeautPeep30_8 (EA1), Convict_8 (EA1), Den3_8 (EA1), Dothraki_8 (EA1), FarmerDoug_8 (EA1), Figueroism_8 (EA1), Gargoyle_8 (EA1), Inventa_8 (EA1), Knox_8 (EA1), MaeLinda_8 (EA1), Martin_9 (EA1), MillyPhilly_8 (EA1), Pherferi_8 (EA1), Phireproof_8 (EA1), PhredFlintston_8 (EA1), Phriends_8 (EA1), Renzie_8 (EA1), Riyhil_8 (EA1), Stanktossa_8 (EA1), Strathdee_8 (EA1), TatarkaPM_8 (EA1), Teagan_8 (EA1), Thorongil_8 (EA1), TinSulphur_8 (EA1), Velene_8 (EA1),

Start 2:

- Found in 62 of 62 (100.0%) of genes in pham
- Manual Annotations of this start: 26 of 53
- Called 54.8% of time when present
- Phage (with cluster) where this start called: Alyxandracam_8 (EA1), Antoinette_8 (EA1), BigRedClifford_8 (EA1), Blage_8 (EA1), BonesMcCoy_8 (EA1), Byron23_7 (EA1), Dave_8 (EA1), Delphidian_8 (EA1), Greys_8 (EA1), Ioannes_8 (EA1), Kurt1_8 (EA1), Lovelyunicorn_8 (EA1), Ludgate_8 (EA1), MrWorldwide_8 (EA1), Nagem_8 (EA1), NickSell_8 (EA1), OldNelly_8 (EA1), Oxtober96_8 (EA1), ParleG_8 (EA1), Peep_8 (EA1), Phiderman_8 (EA1), PuppyEggo_8 (EA1), Rapheph_8 (EA1), Raptor_8 (EA1), Robinson_8 (EA1), SJay_8 (EA1), ShaiHulud_8 (EA1), Shee_8 (EA1), SoilGremlin_8 (EA1), Superfresh_8 (EA1), Thompsonsone_8 (EA1), Vispistious_8 (EA1), WildNOut_8 (EA1), Zada_8 (EA1),

Summary by clusters:

There is one cluster represented in this pham: EA1

Info for manual annotations of cluster EA1:

- Start number 1 was manually annotated 27 times for cluster EA1.
- Start number 2 was manually annotated 26 times for cluster EA1.

Gene Information:

Gene: AlexAdler_8 Start: 5942, Stop: 6076, Start Num: 1

Candidate Starts for AlexAdler_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),

Gene: Alyxandracam_8 Start: 5951, Stop: 6085, Start Num: 2

Candidate Starts for Alyxandracam_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Antoinette_8 Start: 5951, Stop: 6076, Start Num: 2

Candidate Starts for Antoinette_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),

Gene: AxiPup_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for AxiPup_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Bandik_8 Start: 5936, Stop: 6079, Start Num: 1
Candidate Starts for Bandik_8:
(Start: 1 @5936 has 27 MA's), (Start: 2 @5945 has 26 MA's),

Gene: BeautPeep30_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for BeautPeep30_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: BigRedClifford_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for BigRedClifford_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Blage_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Blage_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: BonesMcCoy_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for BonesMcCoy_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Byron23_7 Start: 5954, Stop: 6088, Start Num: 2
Candidate Starts for Byron23_7:
(Start: 1 @5945 has 27 MA's), (Start: 2 @5954 has 26 MA's),

Gene: Convict_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Convict_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Dave_8 Start: 5951, Stop: 6076, Start Num: 2
Candidate Starts for Dave_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),

Gene: Delphidian_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Delphidian_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Den3_8 Start: 5946, Stop: 6089, Start Num: 1
Candidate Starts for Den3_8:
(Start: 1 @5946 has 27 MA's), (Start: 2 @5955 has 26 MA's),

Gene: Dothraki_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Dothraki_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: FarmerDoug_8 Start: 6046, Stop: 6213, Start Num: 1
Candidate Starts for FarmerDoug_8:
(Start: 1 @6046 has 27 MA's), (Start: 2 @6055 has 26 MA's),

Gene: Figueroism_8 Start: 5942, Stop: 6076, Start Num: 1
Candidate Starts for Figueroism_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),

Gene: Gargoyle_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Gargoyle_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Greys_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Greys_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Inventa_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Inventa_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Ioannes_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Ioannes_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Knox_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Knox_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Kurt1_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Kurt1_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Lovelyunicorn_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Lovelyunicorn_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Ludgate_8 Start: 5945, Stop: 6079, Start Num: 2
Candidate Starts for Ludgate_8:
(Start: 1 @5936 has 27 MA's), (Start: 2 @5945 has 26 MA's),

Gene: MaeLinda_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for MaeLinda_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Martin_9 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Martin_9:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: MillyPhilly_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for MillyPhilly_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: MrWorldwide_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for MrWorldwide_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Nagem_8 Start: 5945, Stop: 6079, Start Num: 2

Candidate Starts for Nagem_8:
(Start: 1 @5936 has 27 MA's), (Start: 2 @5945 has 26 MA's),

Gene: NickSell_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for NickSell_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: OldNelly_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for OldNelly_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Oxtober96_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Oxtober96_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: ParleG_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for ParleG_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Peep_8 Start: 5951, Stop: 6076, Start Num: 2
Candidate Starts for Peep_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),

Gene: Pherferi_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Pherferi_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Phiderman_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Phiderman_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Phireproof_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Phireproof_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: PhredFlintston_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for PhredFlintston_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Phriends_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Phriends_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: PuppyEggo_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for PuppyEggo_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Rapheph_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Rapheph_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Raptor_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Raptor_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Renzie_8 Start: 5942, Stop: 6076, Start Num: 1

Candidate Starts for Renzie_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),

Gene: Rihhil_8 Start: 5942, Stop: 6085, Start Num: 1

Candidate Starts for Rihhil_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Robinson_8 Start: 5951, Stop: 6076, Start Num: 2

Candidate Starts for Robinson_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),

Gene: SJay_8 Start: 5946, Stop: 6080, Start Num: 2

Candidate Starts for SJay_8:

(Start: 1 @5937 has 27 MA's), (Start: 2 @5946 has 26 MA's),

Gene: ShaiHulud_8 Start: 5951, Stop: 6085, Start Num: 2

Candidate Starts for ShaiHulud_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Shee_8 Start: 5948, Stop: 6082, Start Num: 2

Candidate Starts for Shee_8:

(Start: 1 @5939 has 27 MA's), (Start: 2 @5948 has 26 MA's),

Gene: SoilGremlin_8 Start: 5951, Stop: 6085, Start Num: 2

Candidate Starts for SoilGremlin_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Stanktossa_8 Start: 5942, Stop: 6085, Start Num: 1

Candidate Starts for Stanktossa_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Strathdee_8 Start: 5943, Stop: 6086, Start Num: 1

Candidate Starts for Strathdee_8:

(Start: 1 @5943 has 27 MA's), (Start: 2 @5952 has 26 MA's),

Gene: Superfresh_8 Start: 5951, Stop: 6076, Start Num: 2

Candidate Starts for Superfresh_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),

Gene: TatarkaPM_8 Start: 5942, Stop: 6085, Start Num: 1

Candidate Starts for TatarkaPM_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Teagan_8 Start: 5936, Stop: 6079, Start Num: 1

Candidate Starts for Teagan_8:

(Start: 1 @5936 has 27 MA's), (Start: 2 @5945 has 26 MA's),

Gene: Thompsone_8 Start: 5951, Stop: 6085, Start Num: 2

Candidate Starts for Thompsone_8:

(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Thorongil_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Thorongil_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: TinSulphur_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for TinSulphur_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Velene_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Velene_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Vispistious_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Vispistious_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: WildNOut_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for WildNOut_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's),

Gene: Zada_8 Start: 5951, Stop: 6076, Start Num: 2
Candidate Starts for Zada_8:
(Start: 1 @5942 has 27 MA's), (Start: 2 @5951 has 26 MA's), (3, 6008),