



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 195611 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195611 has 62 members, 2 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, NickSell_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, BonesMcCoy_8, Blage_8, Phiderman_8, Delphidian_8, Alyxandracam_8, Lovelyunicorn_8, SoilGremlin_8, Rapheph_8, Raptor_8, MrWorldwide_8, Oxtober96_8, Thompsone_8, Vispistious_8, ParleG_8, PuppyEggo_8, Byron23_8, OldNelly_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 2, it was called in 31 of the 60 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alyxandracam_8, Antoinette_8, BigRedClifford_8, Blage_8, BonesMcCoy_8, Byron23_8, Dave_8, Delphidian_8, Greys_8, Ioannes_8, Kurt1_8, Lovelyunicorn_8, Ludgate_8, MrWorldwide_8, Nagem_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, Thompsone_8, Vispistious_8, WildNOut_8, Zada_8,

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

- 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, NickSell_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 do not have the "Most Annotated" start:

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Summary by start number:

Start 1:

- Found in 62 of 62 (100.0%) of genes in pham
- Manual Annotations of this start: 29 of 60
- Called 46.8% 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), NickSell_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: 31 of 60
- Called 53.2% 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_8 (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), 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), Thompsone_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 29 times for cluster EA1.
- Start number 2 was manually annotated 31 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 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),

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

Candidate Starts for Alyxandracam_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

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

Candidate Starts for Antoinette_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),

Gene: AxiPup_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for AxiPup_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Bandik_8 Start: 5936, Stop: 6079, Start Num: 1
Candidate Starts for Bandik_8:
(Start: 1 @5936 has 29 MA's), (Start: 2 @5945 has 31 MA's),

Gene: BeautPeep30_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for BeautPeep30_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: BigRedClifford_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for BigRedClifford_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Blage_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Blage_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: BonesMcCoy_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for BonesMcCoy_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Byron23_8 Start: 5954, Stop: 6088, Start Num: 2
Candidate Starts for Byron23_8:
(Start: 1 @5945 has 29 MA's), (Start: 2 @5954 has 31 MA's),

Gene: Convict_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Convict_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Dave_8 Start: 5951, Stop: 6076, Start Num: 2
Candidate Starts for Dave_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),

Gene: Delphidian_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Delphidian_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Den3_8 Start: 5946, Stop: 6089, Start Num: 1
Candidate Starts for Den3_8:
(Start: 1 @5946 has 29 MA's), (Start: 2 @5955 has 31 MA's),

Gene: Dothraki_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Dothraki_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: FarmerDoug_8 Start: 6046, Stop: 6213, Start Num: 1
Candidate Starts for FarmerDoug_8:
(Start: 1 @6046 has 29 MA's), (Start: 2 @6055 has 31 MA's),

Gene: Figueroism_8 Start: 5942, Stop: 6076, Start Num: 1
Candidate Starts for Figueroism_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),

Gene: Gargoyle_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Gargoyle_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Greys_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Greys_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Inventa_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Inventa_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: loannes_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for loannes_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Knox_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Knox_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Kurt1_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Kurt1_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Lovelyunicorn_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Lovelyunicorn_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Ludgate_8 Start: 5945, Stop: 6079, Start Num: 2
Candidate Starts for Ludgate_8:
(Start: 1 @5936 has 29 MA's), (Start: 2 @5945 has 31 MA's),

Gene: MaeLinda_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for MaeLinda_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Martin_9 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Martin_9:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: MillyPhilly_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for MillyPhilly_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: MrWorldwide_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for MrWorldwide_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Nagem_8 Start: 5945, Stop: 6079, Start Num: 2
Candidate Starts for Nagem_8:
(Start: 1 @5936 has 29 MA's), (Start: 2 @5945 has 31 MA's),

Gene: NickSell_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for NickSell_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: OldNelly_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for OldNelly_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Oxtober96_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Oxtober96_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: ParleG_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for ParleG_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Peep_8 Start: 5951, Stop: 6076, Start Num: 2
Candidate Starts for Peep_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),

Gene: Pherferi_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Pherferi_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Phiderman_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Phiderman_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Phireproof_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Phireproof_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: PhredFlintston_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for PhredFlintston_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Phriends_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Phriends_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: PuppyEggo_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for PuppyEggo_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Rapheph_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Rapheph_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Raptor_8 Start: 5951, Stop: 6085, Start Num: 2

Candidate Starts for Raptor_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Renzie_8 Start: 5942, Stop: 6076, Start Num: 1
Candidate Starts for Renzie_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),

Gene: Riyhil_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Riyhil_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Robinson_8 Start: 5951, Stop: 6076, Start Num: 2
Candidate Starts for Robinson_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),

Gene: SJay_8 Start: 5946, Stop: 6080, Start Num: 2
Candidate Starts for SJay_8:
(Start: 1 @5937 has 29 MA's), (Start: 2 @5946 has 31 MA's),

Gene: ShaiHulud_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for ShaiHulud_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Shee_8 Start: 5948, Stop: 6082, Start Num: 2
Candidate Starts for Shee_8:
(Start: 1 @5939 has 29 MA's), (Start: 2 @5948 has 31 MA's),

Gene: SoilGremlin_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for SoilGremlin_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Stanktossa_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for Stanktossa_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Strathdee_8 Start: 5943, Stop: 6086, Start Num: 1
Candidate Starts for Strathdee_8:
(Start: 1 @5943 has 29 MA's), (Start: 2 @5952 has 31 MA's),

Gene: Superfresh_8 Start: 5951, Stop: 6076, Start Num: 2
Candidate Starts for Superfresh_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),

Gene: TatarkaPM_8 Start: 5942, Stop: 6085, Start Num: 1
Candidate Starts for TatarkaPM_8:
(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Teagan_8 Start: 5936, Stop: 6079, Start Num: 1
Candidate Starts for Teagan_8:
(Start: 1 @5936 has 29 MA's), (Start: 2 @5945 has 31 MA's),

Gene: Thompsone_8 Start: 5951, Stop: 6085, Start Num: 2
Candidate Starts for Thompsone_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Thorongil_8 Start: 5942, Stop: 6085, Start Num: 1

Candidate Starts for Thorongil_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: TinSulphur_8 Start: 5942, Stop: 6085, Start Num: 1

Candidate Starts for TinSulphur_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Velene_8 Start: 5942, Stop: 6085, Start Num: 1

Candidate Starts for Velene_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Vispistious_8 Start: 5951, Stop: 6085, Start Num: 2

Candidate Starts for Vispistious_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: WildNOut_8 Start: 5951, Stop: 6085, Start Num: 2

Candidate Starts for WildNOut_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's),

Gene: Zada_8 Start: 5951, Stop: 6076, Start Num: 2

Candidate Starts for Zada_8:

(Start: 1 @5942 has 29 MA's), (Start: 2 @5951 has 31 MA's), (3, 6008),