



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 207145 Report

This analysis was run 02/22/25 on database version 588.

Pham number 207145 has 26 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Fede_4, Kosier_4
- Track 2 : Mazun_4, StagePhright_4, ThirteenKH_4, RicoCaldo_4, TrippleS_4, Phedro_4, Atraxi_4, Morrill_4, PhriedRice_4, Yafa_4, Pharky_4, Fullmetal_4, Phracted_4
- Track 3 : Truong_4, Waterlily_4, JordanFarm_4, Barroma_4, AloeVera_4, Akoni_4, ShyRosie_4, Ashton_4
- Track 4 : JimmyPG_4
- Track 5 : Astartes_4, Moleficent_4

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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akoni_4, AloeVera_4, Ashton_4, Astartes_4, Atraxi_4, Barroma_4, Fede_4, Fullmetal_4, JimmyPG_4, JordanFarm_4, Kosier_4, Mazun_4, Moleficent_4, Morrill_4, Pharky_4, Phedro_4, Phracted_4, PhriedRice_4, RicoCaldo_4, ShyRosie_4, StagePhright_4, ThirteenKH_4, TrippleS_4, Truong_4, Waterlily_4, Yafa_4,

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

-

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

-

Summary by start number:

Start 1:

- Found in 26 of 26 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Akoni_4 (EK2), AloeVera_4 (EK2), Ashton_4 (EK2), Astartes_4 (EK2), Atraxi_4 (EK2), Barroma_4 (EK2), Fede_4 (EK2), Fullmetal_4 (EK2), JimmyPG_4 (EK2), JordanFarm_4 (EK2), Kosier_4 (EK2), Mazun_4 (EK2), Moleficent_4 (EK2), Morrill_4 (EK2), Pharky_4 (EK2), Phedro_4 (EK2), Phracted_4 (EK2), PhriedRice_4 (EK2), RicoCaldo_4 (EK2), ShyRosie_4 (EK2), StagePhright_4 (EK2), ThirteenKH_4 (EK2), TrippleS_4 (EK2), Truong_4 (EK2), Waterlily_4 (EK2), Yafa_4 (EK2),

Summary by clusters:

There is one cluster represented in this pham: EK2

Info for manual annotations of cluster EK2:

•Start number 1 was manually annotated 20 times for cluster EK2.

Gene Information:

Gene: Akoni_4 Start: 3079, Stop: 2960, Start Num: 1

Candidate Starts for Akoni_4:

(Start: 1 @3079 has 20 MA's), (4, 3010),

Gene: AloeVera_4 Start: 3079, Stop: 2960, Start Num: 1

Candidate Starts for AloeVera_4:

(Start: 1 @3079 has 20 MA's), (4, 3010),

Gene: Ashton_4 Start: 3083, Stop: 2964, Start Num: 1

Candidate Starts for Ashton_4:

(Start: 1 @3083 has 20 MA's), (4, 3014),

Gene: Astartes_4 Start: 3073, Stop: 2957, Start Num: 1

Candidate Starts for Astartes_4:

(Start: 1 @3073 has 20 MA's), (4, 3004),

Gene: Atraxi_4 Start: 3074, Stop: 2958, Start Num: 1

Candidate Starts for Atraxi_4:

(Start: 1 @3074 has 20 MA's),

Gene: Barroma_4 Start: 3079, Stop: 2960, Start Num: 1

Candidate Starts for Barroma_4:

(Start: 1 @3079 has 20 MA's), (4, 3010),

Gene: Fede_4 Start: 3099, Stop: 2977, Start Num: 1

Candidate Starts for Fede_4:

(Start: 1 @3099 has 20 MA's), (3, 3066),

Gene: Fullmetal_4 Start: 3073, Stop: 2957, Start Num: 1

Candidate Starts for Fullmetal_4:

(Start: 1 @3073 has 20 MA's),

Gene: JimmyPG_4 Start: 3080, Stop: 2958, Start Num: 1

Candidate Starts for JimmyPG_4:

(Start: 1 @3080 has 20 MA's), (2, 3062), (5, 2978),

Gene: JordanFarm_4 Start: 3079, Stop: 2960, Start Num: 1
Candidate Starts for JordanFarm_4:
(Start: 1 @3079 has 20 MA's), (4, 3010),

Gene: Kosier_4 Start: 3099, Stop: 2977, Start Num: 1
Candidate Starts for Kosier_4:
(Start: 1 @3099 has 20 MA's), (3, 3066),

Gene: Mazun_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for Mazun_4:
(Start: 1 @3073 has 20 MA's),

Gene: Moleficient_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for Moleficient_4:
(Start: 1 @3073 has 20 MA's), (4, 3004),

Gene: Morrill_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for Morrill_4:
(Start: 1 @3073 has 20 MA's),

Gene: Pharky_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for Pharky_4:
(Start: 1 @3073 has 20 MA's),

Gene: Phedro_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for Phedro_4:
(Start: 1 @3073 has 20 MA's),

Gene: Phracted_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for Phracted_4:
(Start: 1 @3073 has 20 MA's),

Gene: PhriedRice_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for PhriedRice_4:
(Start: 1 @3073 has 20 MA's),

Gene: RicoCaldo_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for RicoCaldo_4:
(Start: 1 @3073 has 20 MA's),

Gene: ShyRosie_4 Start: 3079, Stop: 2960, Start Num: 1
Candidate Starts for ShyRosie_4:
(Start: 1 @3079 has 20 MA's), (4, 3010),

Gene: StagePhright_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for StagePhright_4:
(Start: 1 @3073 has 20 MA's),

Gene: ThirteenKH_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for ThirteenKH_4:
(Start: 1 @3073 has 20 MA's),

Gene: TrippleS_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for TrippleS_4:
(Start: 1 @3073 has 20 MA's),

Gene: Truong_4 Start: 3079, Stop: 2960, Start Num: 1
Candidate Starts for Truong_4:
(Start: 1 @3079 has 20 MA's), (4, 3010),

Gene: Waterlily_4 Start: 3079, Stop: 2960, Start Num: 1
Candidate Starts for Waterlily_4:
(Start: 1 @3079 has 20 MA's), (4, 3010),

Gene: Yafa_4 Start: 3073, Stop: 2957, Start Num: 1
Candidate Starts for Yafa_4:
(Start: 1 @3073 has 20 MA's),