



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 276795 Report

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

Pham number 276795 has 10 members, 4 are drafts.

Phages represented in each track:

- Track 1 : JohnThicc_46, FiveHead_47, Origami_45, LadyAstra_46
- Track 2 : VroomVroom_43, JasmineDragon_43, MiniMommy_42, ShakeltOph_43
- Track 3 : Emotion_44
- Track 4 : Soondubu_36

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Emotion_44, FiveHead_47, JasmineDragon_43, JohnThicc_46, LadyAstra_46, MiniMommy_42, Origami_45, ShakeltOph_43, VroomVroom_43,

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

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

- Soondubu_36,

Summary by start number:

Start 2:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Emotion_44 (AZ4), FiveHead_47 (AZ4), JasmineDragon_43 (AZ4), JohnThicc_46 (AZ4), LadyAstra_46 (AZ4), MiniMommy_42 (AZ4), Origami_45 (AZ4), ShakeltOph_43 (AZ4), VroomVroom_43 (AZ4),

Start 3:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 6

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Soondubu_36 (AZ6),

Summary by clusters:

There are 2 clusters represented in this pham: AZ4, AZ6,

Info for manual annotations of cluster AZ4:

- Start number 2 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ6:

- Start number 3 was manually annotated 1 time for cluster AZ6.

Gene Information:

Gene: Emotion_44 Start: 30851, Stop: 30973, Start Num: 2

Candidate Starts for Emotion_44:

(1, 30776), (Start: 2 @30851 has 5 MA's),

Gene: FiveHead_47 Start: 30129, Stop: 30248, Start Num: 2

Candidate Starts for FiveHead_47:

(Start: 2 @30129 has 5 MA's), (4, 30180), (5, 30237),

Gene: JasmineDragon_43 Start: 30010, Stop: 30129, Start Num: 2

Candidate Starts for JasmineDragon_43:

(Start: 2 @30010 has 5 MA's), (5, 30118),

Gene: JohnThicc_46 Start: 30129, Stop: 30248, Start Num: 2

Candidate Starts for JohnThicc_46:

(Start: 2 @30129 has 5 MA's), (4, 30180), (5, 30237),

Gene: LadyAstra_46 Start: 30229, Stop: 30348, Start Num: 2

Candidate Starts for LadyAstra_46:

(Start: 2 @30229 has 5 MA's), (4, 30280), (5, 30337),

Gene: MiniMommy_42 Start: 30011, Stop: 30130, Start Num: 2

Candidate Starts for MiniMommy_42:

(Start: 2 @30011 has 5 MA's), (5, 30119),

Gene: Origami_45 Start: 30021, Stop: 30140, Start Num: 2

Candidate Starts for Origami_45:

(Start: 2 @30021 has 5 MA's), (4, 30072), (5, 30129),

Gene: ShakeltOph_43 Start: 30010, Stop: 30129, Start Num: 2

Candidate Starts for ShakeltOph_43:

(Start: 2 @30010 has 5 MA's), (5, 30118),

Gene: Soondubu_36 Start: 30664, Stop: 30771, Start Num: 3

Candidate Starts for Soondubu_36:

(Start: 3 @30664 has 1 MA's),

Gene: VroomVroom_43 Start: 30137, Stop: 30256, Start Num: 2

Candidate Starts for VroomVroom_43:

(Start: 2 @30137 has 5 MA's), (5, 30245),