



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 209241 Report

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

Pham number 209241 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Oksu_43, Ochi17_41, OfUltron_43, Modragons_42, Jinglebell_42, AlpineSix_43, Llama_43, Seabastian_43

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlpineSix_43, Jinglebell_42, Llama_43, Modragons_42, Ochi17_41, OfUltron_43, Oksu_43, Seabastian_43,

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 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlpineSix_43 (F1), Jinglebell_42 (F1), Llama_43 (F1), Modragons_42 (F1), Ochi17_41 (F1), OfUltron_43 (F1), Oksu_43 (F1), Seabastian_43 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 1 was manually annotated 7 times for cluster F1.

Gene Information:

Gene: AlpineSix_43 Start: 32568, Stop: 32041, Start Num: 1

Candidate Starts for AlpineSix_43:

(Start: 1 @32568 has 7 MA's), (2, 32541), (3, 32535), (4, 32505), (5, 32478), (6, 32466), (7, 32364), (8, 32355), (9, 32325), (10, 32310), (11, 32193), (12, 32109),

Gene: Jinglebell_42 Start: 32567, Stop: 32040, Start Num: 1

Candidate Starts for Jinglebell_42:

(Start: 1 @32567 has 7 MA's), (2, 32540), (3, 32534), (4, 32504), (5, 32477), (6, 32465), (7, 32363), (8, 32354), (9, 32324), (10, 32309), (11, 32192), (12, 32108),

Gene: Llama_43 Start: 32565, Stop: 32038, Start Num: 1

Candidate Starts for Llama_43:

(Start: 1 @32565 has 7 MA's), (2, 32538), (3, 32532), (4, 32502), (5, 32475), (6, 32463), (7, 32361), (8, 32352), (9, 32322), (10, 32307), (11, 32190), (12, 32106),

Gene: Modragons_42 Start: 32411, Stop: 31884, Start Num: 1

Candidate Starts for Modragons_42:

(Start: 1 @32411 has 7 MA's), (2, 32384), (3, 32378), (4, 32348), (5, 32321), (6, 32309), (7, 32207), (8, 32198), (9, 32168), (10, 32153), (11, 32036), (12, 31952),

Gene: Ochi17_41 Start: 32018, Stop: 31491, Start Num: 1

Candidate Starts for Ochi17_41:

(Start: 1 @32018 has 7 MA's), (2, 31991), (3, 31985), (4, 31955), (5, 31928), (6, 31916), (7, 31814), (8, 31805), (9, 31775), (10, 31760), (11, 31643), (12, 31559),

Gene: OfUltron_43 Start: 32567, Stop: 32040, Start Num: 1

Candidate Starts for OfUltron_43:

(Start: 1 @32567 has 7 MA's), (2, 32540), (3, 32534), (4, 32504), (5, 32477), (6, 32465), (7, 32363), (8, 32354), (9, 32324), (10, 32309), (11, 32192), (12, 32108),

Gene: Oksu_43 Start: 32411, Stop: 31884, Start Num: 1

Candidate Starts for Oksu_43:

(Start: 1 @32411 has 7 MA's), (2, 32384), (3, 32378), (4, 32348), (5, 32321), (6, 32309), (7, 32207), (8, 32198), (9, 32168), (10, 32153), (11, 32036), (12, 31952),

Gene: Seabastian_43 Start: 32567, Stop: 32040, Start Num: 1

Candidate Starts for Seabastian_43:

(Start: 1 @32567 has 7 MA's), (2, 32540), (3, 32534), (4, 32504), (5, 32477), (6, 32465), (7, 32363), (8, 32354), (9, 32324), (10, 32309), (11, 32192), (12, 32108),