



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 309746 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309746 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Bumble_40
- Track 2 : Circuit_40
- Track 3 : Bolt007_45
- Track 4 : Lilmac1015_47, Klevey_45, CalWood4100_47, Prairie_44
- Track 5 : Altadena_42
- Track 6 : Nandito_45
- Track 7 : Lukepolites_41

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

Genes that call this "Most Annotated" start:

- Altadena_42, Bolt007_45, Bumble_40, CalWood4100_47, Circuit_40, Klevey_45, Lilmac1015_47, Nandito_45, Prairie_44,

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:

- Lukepolites_41,

Summary by start number:

Start 1:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lukepolites_41 (singleton),

Start 2:

- Found in 9 of 10 (90.0%) 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: Altadena_42 (FH), Bolt007_45 (FH), Bumble_40 (FH), CalWood4100_47 (FH), Circuit_40 (FH), Klevey_45 (FH), Lilmac1015_47 (FH), Nandito_45 (FH), Prairie_44 (FH),

Summary by clusters:

There are 2 clusters represented in this pham: FH, singleton,

Info for manual annotations of cluster FH:

- Start number 2 was manually annotated 7 times for cluster FH.

Gene Information:

Gene: Altadena_42 Start: 31097, Stop: 31651, Start Num: 2

Candidate Starts for Altadena_42:

(Start: 2 @31097 has 7 MA's), (7, 31202), (11, 31322),

Gene: Bolt007_45 Start: 34105, Stop: 34668, Start Num: 2

Candidate Starts for Bolt007_45:

(Start: 2 @34105 has 7 MA's), (8, 34276), (9, 34303), (10, 34312),

Gene: Bumble_40 Start: 31164, Stop: 31727, Start Num: 2

Candidate Starts for Bumble_40:

(Start: 2 @31164 has 7 MA's), (11, 31389),

Gene: CalWood4100_47 Start: 33599, Stop: 34162, Start Num: 2

Candidate Starts for CalWood4100_47:

(Start: 2 @33599 has 7 MA's), (8, 33770), (9, 33797),

Gene: Circuit_40 Start: 32151, Stop: 32723, Start Num: 2

Candidate Starts for Circuit_40:

(Start: 2 @32151 has 7 MA's),

Gene: Klevey_45 Start: 33086, Stop: 33649, Start Num: 2

Candidate Starts for Klevey_45:

(Start: 2 @33086 has 7 MA's), (8, 33257), (9, 33284),

Gene: Lilmac1015_47 Start: 33599, Stop: 34162, Start Num: 2

Candidate Starts for Lilmac1015_47:

(Start: 2 @33599 has 7 MA's), (8, 33770), (9, 33797),

Gene: Lukepolites_41 Start: 32366, Stop: 32896, Start Num: 1

Candidate Starts for Lukepolites_41:

(1, 32366), (4, 32414), (5, 32429), (6, 32471), (12, 32819), (13, 32834),

Gene: Nandito_45 Start: 33282, Stop: 33863, Start Num: 2

Candidate Starts for Nandito_45:

(Start: 2 @33282 has 7 MA's), (3, 33312), (8, 33453), (9, 33480),

Gene: Prairie_44 Start: 32918, Stop: 33481, Start Num: 2

Candidate Starts for Prairie_44:

(Start: 2 @32918 has 7 MA's), (8, 33089), (9, 33116),