



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 297260 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297260 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Prairie_13
- Track 2 : Bumble_13
- Track 3 : CalWood4100_13, Bolt007_13, Lilmac1015_13, Klevey_13
- Track 4 : Nandito_13
- Track 5 : Circuit_13, Altadena_13

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:

- Altadena_13, Bolt007_13, Bumble_13, CalWood4100_13, Circuit_13, Klevey_13, Lilmac1015_13, Nandito_13, Prairie_13,

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 9 of 9 (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: Altadena_13 (FH), Bolt007_13 (FH), Bumble_13 (FH), CalWood4100_13 (FH), Circuit_13 (FH), Klevey_13 (FH), Lilmac1015_13 (FH), Nandito_13 (FH), Prairie_13 (FH),

Summary by clusters:

There is one cluster represented in this pham: FH

Info for manual annotations of cluster FH:

•Start number 1 was manually annotated 7 times for cluster FH.

Gene Information:

Gene: Altadena_13 Start: 10131, Stop: 10352, Start Num: 1

Candidate Starts for Altadena_13:

(Start: 1 @10131 has 7 MA's), (3, 10173),

Gene: Bolt007_13 Start: 10029, Stop: 10229, Start Num: 1

Candidate Starts for Bolt007_13:

(Start: 1 @10029 has 7 MA's), (3, 10071), (4, 10074), (5, 10122),

Gene: Bumble_13 Start: 10130, Stop: 10345, Start Num: 1

Candidate Starts for Bumble_13:

(Start: 1 @10130 has 7 MA's), (3, 10172),

Gene: CalWood4100_13 Start: 10012, Stop: 10218, Start Num: 1

Candidate Starts for CalWood4100_13:

(Start: 1 @10012 has 7 MA's), (3, 10054), (4, 10057), (5, 10105),

Gene: Circuit_13 Start: 10115, Stop: 10333, Start Num: 1

Candidate Starts for Circuit_13:

(Start: 1 @10115 has 7 MA's), (3, 10157),

Gene: Klevey_13 Start: 10022, Stop: 10228, Start Num: 1

Candidate Starts for Klevey_13:

(Start: 1 @10022 has 7 MA's), (3, 10064), (4, 10067), (5, 10115),

Gene: Lilmac1015_13 Start: 10012, Stop: 10218, Start Num: 1

Candidate Starts for Lilmac1015_13:

(Start: 1 @10012 has 7 MA's), (3, 10054), (4, 10057), (5, 10105),

Gene: Nandito_13 Start: 10109, Stop: 10318, Start Num: 1

Candidate Starts for Nandito_13:

(Start: 1 @10109 has 7 MA's), (2, 10148), (4, 10154),

Gene: Prairie_13 Start: 10019, Stop: 10225, Start Num: 1

Candidate Starts for Prairie_13:

(Start: 1 @10019 has 7 MA's), (3, 10061), (4, 10064), (5, 10112), (6, 10130),