

Pham 87661



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 87661 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87661 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EastWest_33
- Track 2 : Abba_32
- Track 3 : Bolt007_35
- Track 4 : Klevey_35
- Track 5 : CalWood4100_36, Lilmac1015_36
- Track 6 : Altadena_32
- Track 7 : Prairie_34
- Track 8 : Hirko_31

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abba_32, Altadena_32, EastWest_33, Hirko_31,

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:

- Bolt007_35, CalWood4100_36, Klevey_35, Lilmac1015_36, Prairie_34,

Summary by start number:

Start 6:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abba_32 (AO3), Altadena_32 (FH), EastWest_33 (AO), Hirko_31 (FL),

Start 7:

- Found in 3 of 9 (33.3%) of genes in pham

- Manual Annotations of this start: 1 of 8
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Bolt007_35 (FH),

Start 8:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CalWood4100_36 (FH), Klevey_35 (FH), Lilmac1015_36 (FH), Prairie_34 (FH),

Summary by clusters:

There are 4 clusters represented in this pham: FH, AO3, FL, AO,

Info for manual annotations of cluster AO:

- Start number 6 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO3:

- Start number 6 was manually annotated 1 time for cluster AO3.

Info for manual annotations of cluster FH:

- Start number 6 was manually annotated 1 time for cluster FH.
- Start number 7 was manually annotated 1 time for cluster FH.
- Start number 8 was manually annotated 3 times for cluster FH.

Info for manual annotations of cluster FL:

- Start number 6 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Abba_32 Start: 26684, Stop: 27334, Start Num: 6

Candidate Starts for Abba_32:

(Start: 6 @26684 has 4 MA's), (Start: 7 @26699 has 1 MA's), (13, 26801), (14, 26831), (15, 26852), (16, 26900), (17, 26918), (25, 27077), (27, 27110), (28, 27116), (29, 27131), (34, 27215),

Gene: Altadena_32 Start: 25373, Stop: 26014, Start Num: 6

Candidate Starts for Altadena_32:

(1, 24215), (2, 24359), (3, 25217), (Start: 6 @25373 has 4 MA's), (13, 25481), (15, 25532), (17, 25601), (22, 25661), (24, 25718), (33, 25886), (35, 25904),

Gene: Bolt007_35 Start: 28395, Stop: 29036, Start Num: 7

Candidate Starts for Bolt007_35:

(Start: 7 @28395 has 1 MA's), (13, 28506), (17, 28626), (33, 28908), (37, 28992),

Gene: CalWood4100_36 Start: 27645, Stop: 28283, Start Num: 8

Candidate Starts for CalWood4100_36:

(Start: 8 @27645 has 3 MA's), (13, 27753), (17, 27873), (33, 28155), (37, 28239),

Gene: EastWest_33 Start: 27020, Stop: 27682, Start Num: 6

Candidate Starts for EastWest_33:

(Start: 6 @27020 has 4 MA's), (Start: 7 @27038 has 1 MA's), (10, 27095), (11, 27107), (12, 27110), (13, 27149), (14, 27179), (15, 27200), (18, 27269), (19, 27275), (21, 27296), (25, 27425), (26, 27455), (28, 27464), (29, 27479), (31, 27515), (34, 27560), (36, 27605), (39, 27668),

Gene: Hirko_31 Start: 28715, Stop: 29380, Start Num: 6

Candidate Starts for Hirko_31:

(Start: 6 @28715 has 4 MA's), (9, 28736), (13, 28829), (18, 28949), (19, 28955), (20, 28967), (23, 29018), (29, 29159), (30, 29174), (32, 29231), (38, 29363),

Gene: Klevey_35 Start: 27311, Stop: 27949, Start Num: 8

Candidate Starts for Klevey_35:

(Start: 8 @27311 has 3 MA's), (13, 27419), (17, 27539), (33, 27821), (37, 27905),

Gene: Lilmac1015_36 Start: 27645, Stop: 28283, Start Num: 8

Candidate Starts for Lilmac1015_36:

(Start: 8 @27645 has 3 MA's), (13, 27753), (17, 27873), (33, 28155), (37, 28239),

Gene: Prairie_34 Start: 27230, Stop: 27868, Start Num: 8

Candidate Starts for Prairie_34:

(4, 27158), (5, 27167), (Start: 8 @27230 has 3 MA's), (13, 27338), (17, 27458), (37, 27824),