



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 309824 Report

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

Pham number 309824 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Zeph_4
- Track 2 : Burley_4, Runhaar_4, Phepper_4, Madvan_4
- Track 3 : ShaggyRogers_4, BetterYeti_4
- Track 4 : Crocheter_3, Untouchable_3
- Track 5 : Aloe25_4

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 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloe25_4, Burley_4, Crocheter_3, Madvan_4, Phepper_4, Runhaar_4, Untouchable_3, Zeph_4,

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

- BetterYeti_4, ShaggyRogers_4,

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

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Summary by start number:

Start 1:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BetterYeti_4 (DJ), ShaggyRogers_4 (DJ),

Start 2:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 80.0% of time when present

- Phage (with cluster) where this start called: Aloe25_4 (DJ), Burley_4 (DJ), Crocheter_3 (DJ), Madvan_4 (DJ), Phepper_4 (DJ), Runhaar_4 (DJ), Untouchable_3 (DJ), Zeph_4 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 1 was manually annotated 2 times for cluster DJ.
- Start number 2 was manually annotated 8 times for cluster DJ.

Gene Information:

Gene: Aloe25_4 Start: 1899, Stop: 2096, Start Num: 2

Candidate Starts for Aloe25_4:

(Start: 1 @1887 has 2 MA's), (Start: 2 @1899 has 8 MA's), (3, 1962), (4, 1965), (5, 1971), (6, 1977), (7, 2010),

Gene: BetterYeti_4 Start: 1887, Stop: 2096, Start Num: 1

Candidate Starts for BetterYeti_4:

(Start: 1 @1887 has 2 MA's), (Start: 2 @1899 has 8 MA's), (3, 1962), (4, 1965), (5, 1971), (6, 1977), (7, 2010),

Gene: Burley_4 Start: 1899, Stop: 2096, Start Num: 2

Candidate Starts for Burley_4:

(Start: 2 @1899 has 8 MA's), (4, 1965), (6, 1977), (7, 2010), (8, 2019),

Gene: Crocheter_3 Start: 826, Stop: 1023, Start Num: 2

Candidate Starts for Crocheter_3:

(Start: 2 @826 has 8 MA's), (4, 892), (6, 904), (7, 937),

Gene: Madvan_4 Start: 1899, Stop: 2096, Start Num: 2

Candidate Starts for Madvan_4:

(Start: 2 @1899 has 8 MA's), (4, 1965), (6, 1977), (7, 2010), (8, 2019),

Gene: Phepper_4 Start: 1899, Stop: 2096, Start Num: 2

Candidate Starts for Phepper_4:

(Start: 2 @1899 has 8 MA's), (4, 1965), (6, 1977), (7, 2010), (8, 2019),

Gene: Runhaar_4 Start: 1899, Stop: 2096, Start Num: 2

Candidate Starts for Runhaar_4:

(Start: 2 @1899 has 8 MA's), (4, 1965), (6, 1977), (7, 2010), (8, 2019),

Gene: ShaggyRogers_4 Start: 1887, Stop: 2096, Start Num: 1

Candidate Starts for ShaggyRogers_4:

(Start: 1 @1887 has 2 MA's), (Start: 2 @1899 has 8 MA's), (3, 1962), (4, 1965), (5, 1971), (6, 1977), (7, 2010),

Gene: Untouchable_3 Start: 826, Stop: 1023, Start Num: 2

Candidate Starts for Untouchable_3:

(Start: 2 @826 has 8 MA's), (4, 892), (6, 904), (7, 937),

Gene: Zeph_4 Start: 1899, Stop: 2084, Start Num: 2

Candidate Starts for Zeph_4:

(Start: 2 @1899 has 8 MA's), (4, 1965), (6, 1977),