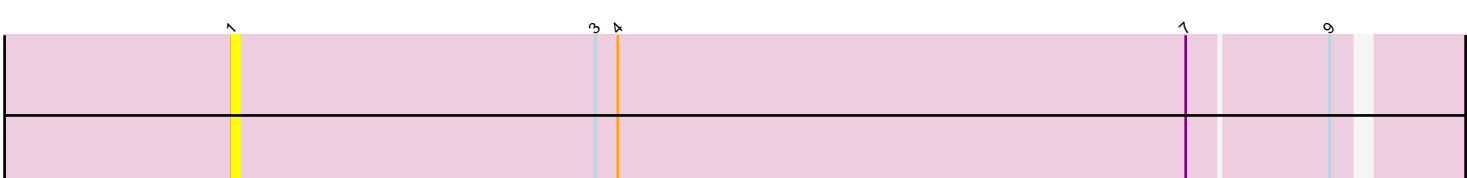
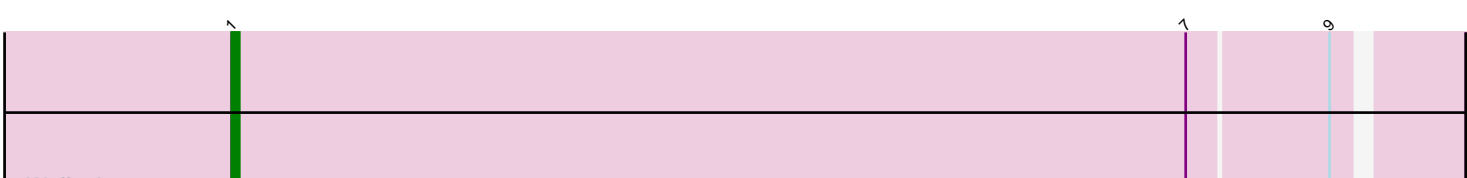
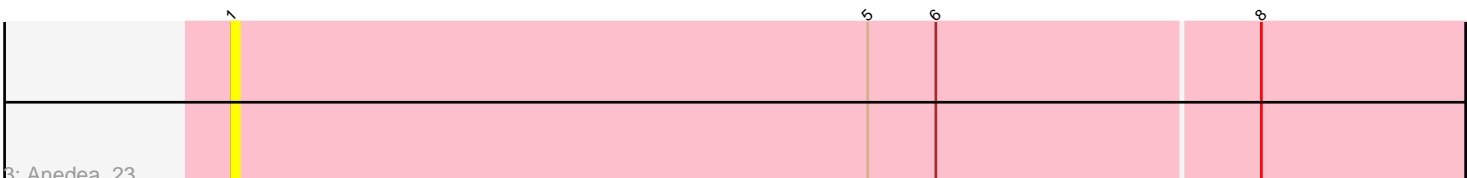


Pham 6806



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 6806 Report

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

Pham number 6806 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Mildred21\_24
- Track 2 : MulchMansion\_24, Angela\_24, LilMartin\_24
- Track 3 : Anedea\_23
- Track 4 : Daubenski\_25
- Track 5 : Enygma\_26
- Track 6 : Elmer\_31
- Track 7 : Wofford\_26
- Track 8 : Mugiware\_29

### ***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:

- Anedea\_23, Angela\_24, Daubenski\_25, Elmer\_31, Enygma\_26, LilMartin\_24, Mildred21\_24, Mugiware\_29, MulchMansion\_24, Wofford\_26,

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 10 of 10 ( 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: Anedea\_23 (BE1), Angela\_24 (BE1), Daubenski\_25 (BE1), Elmer\_31 (BE2), Enygma\_26 (BE2), LilMartin\_24 (BE1), Mildred21\_24 (BE1), Mugiware\_29 (BE2), MulchMansion\_24 (BE1), Wofford\_26 (BE2),

## Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:

- Start number 1 was manually annotated 5 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 1 was manually annotated 2 times for cluster BE2.

## Gene Information:

Gene: Anedea\_23 Start: 10850, Stop: 10689, Start Num: 1

Candidate Starts for Anedea\_23:

(Start: 1 @10850 has 7 MA's), (5, 10766), (6, 10757), (8, 10715),

Gene: Angela\_24 Start: 11615, Stop: 11454, Start Num: 1

Candidate Starts for Angela\_24:

(Start: 1 @11615 has 7 MA's), (5, 11531), (6, 11522),

Gene: Daubenski\_25 Start: 11368, Stop: 11207, Start Num: 1

Candidate Starts for Daubenski\_25:

(Start: 1 @11368 has 7 MA's), (2, 11341), (5, 11284), (6, 11275), (7, 11242),

Gene: Elmer\_31 Start: 11917, Stop: 11759, Start Num: 1

Candidate Starts for Elmer\_31:

(Start: 1 @11917 has 7 MA's), (4, 11866), (7, 11791), (9, 11773),

Gene: Enygma\_26 Start: 12217, Stop: 12059, Start Num: 1

Candidate Starts for Enygma\_26:

(Start: 1 @12217 has 7 MA's), (4, 12166), (6, 12124), (7, 12091), (9, 12073),

Gene: LilMartin\_24 Start: 11562, Stop: 11401, Start Num: 1

Candidate Starts for LilMartin\_24:

(Start: 1 @11562 has 7 MA's), (5, 11478), (6, 11469),

Gene: Mildred21\_24 Start: 11257, Stop: 11096, Start Num: 1

Candidate Starts for Mildred21\_24:

(Start: 1 @11257 has 7 MA's), (9, 11113),

Gene: Mugiwara\_29 Start: 12601, Stop: 12443, Start Num: 1

Candidate Starts for Mugiwara\_29:

(Start: 1 @12601 has 7 MA's), (3, 12553), (4, 12550), (7, 12475), (9, 12457),

Gene: MulchMansion\_24 Start: 11563, Stop: 11402, Start Num: 1

Candidate Starts for MulchMansion\_24:

(Start: 1 @11563 has 7 MA's), (5, 11479), (6, 11470),

Gene: Wofford\_26 Start: 11921, Stop: 11763, Start Num: 1

Candidate Starts for Wofford\_26:

(Start: 1 @11921 has 7 MA's), (7, 11795), (9, 11777),