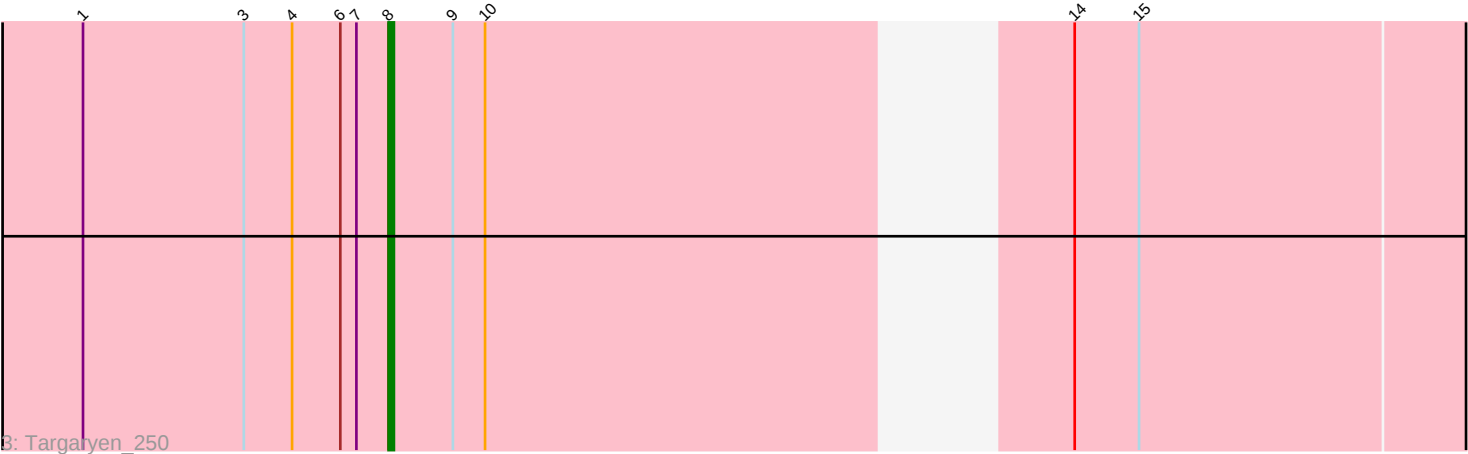
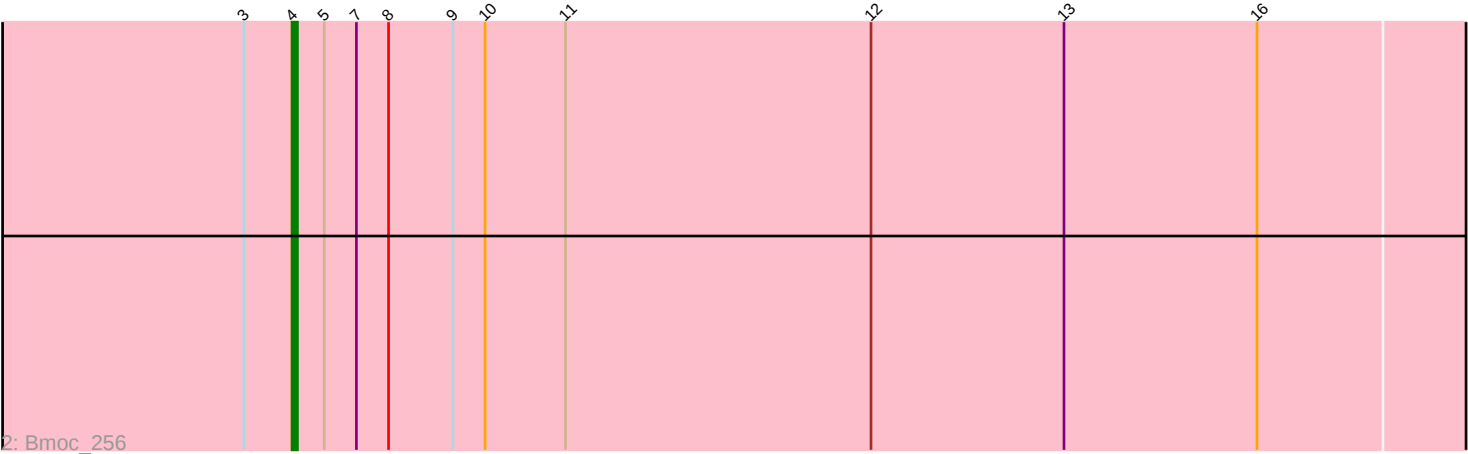
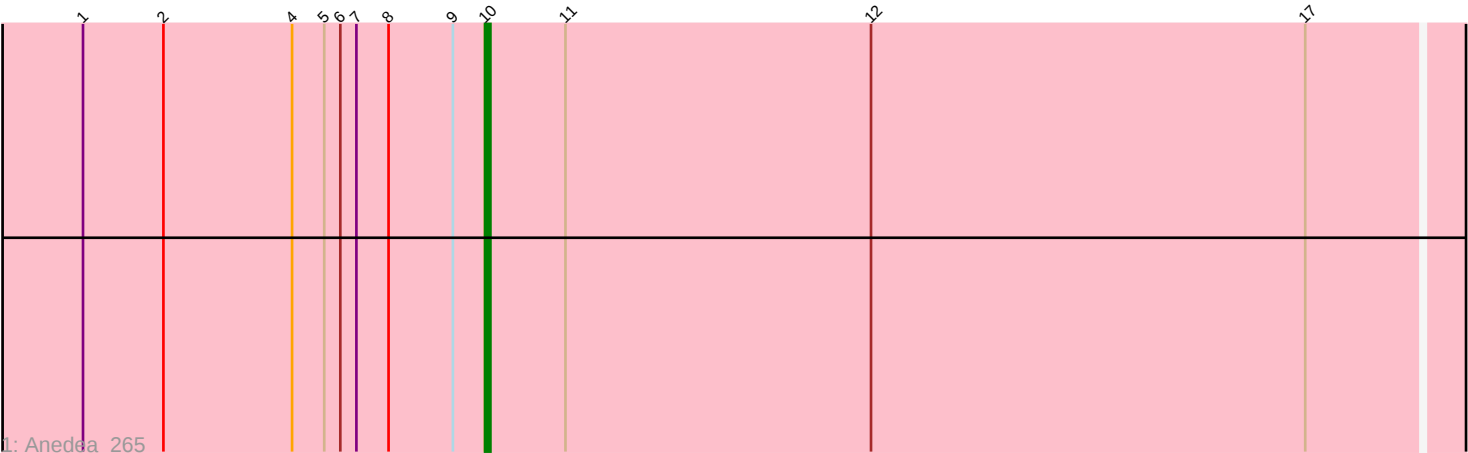




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 331840 Report

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

Pham number 331840 has 3 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Anedea_265
- Track 2 : Bmoc_256
- Track 3 : Targaryen_250

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

The start number called the most often in the published annotations is 8, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Targaryen_250,

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

- Anedea_265, Bmoc_256,

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

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Summary by start number:

Start 4:

- Found in 3 of 3 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Bmoc_256 (BE1),

Start 8:

- Found in 3 of 3 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Targaryen_250 (BE1),

Start 10:

- Found in 3 of 3 (100.0%) of genes in pham

- Manual Annotations of this start: 1 of 3
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Anedea_265 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:

- Start number 4 was manually annotated 1 time for cluster BE1.
- Start number 8 was manually annotated 1 time for cluster BE1.
- Start number 10 was manually annotated 1 time for cluster BE1.

Gene Information:

Gene: Anedea_265 Start: 122550, Stop: 122744, Start Num: 10

Candidate Starts for Anedea_265:

(1, 122475), (2, 122490), (Start: 4 @122514 has 1 MA's), (5, 122520), (6, 122523), (7, 122526), (Start: 8 @122532 has 1 MA's), (9, 122544), (Start: 10 @122550 has 1 MA's), (11, 122565), (12, 122622), (17, 122703),

Gene: Bmoc_256 Start: 121294, Stop: 121539, Start Num: 4

Candidate Starts for Bmoc_256:

(3, 121285), (Start: 4 @121294 has 1 MA's), (5, 121300), (7, 121306), (Start: 8 @121312 has 1 MA's), (9, 121324), (Start: 10 @121330 has 1 MA's), (11, 121345), (12, 121402), (13, 121438), (16, 121474),

Gene: Targaryen_250 Start: 123146, Stop: 123355, Start Num: 8

Candidate Starts for Targaryen_250:

(1, 123089), (3, 123119), (Start: 4 @123128 has 1 MA's), (6, 123137), (7, 123140), (Start: 8 @123146 has 1 MA's), (9, 123158), (Start: 10 @123164 has 1 MA's), (14, 123251), (15, 123263),