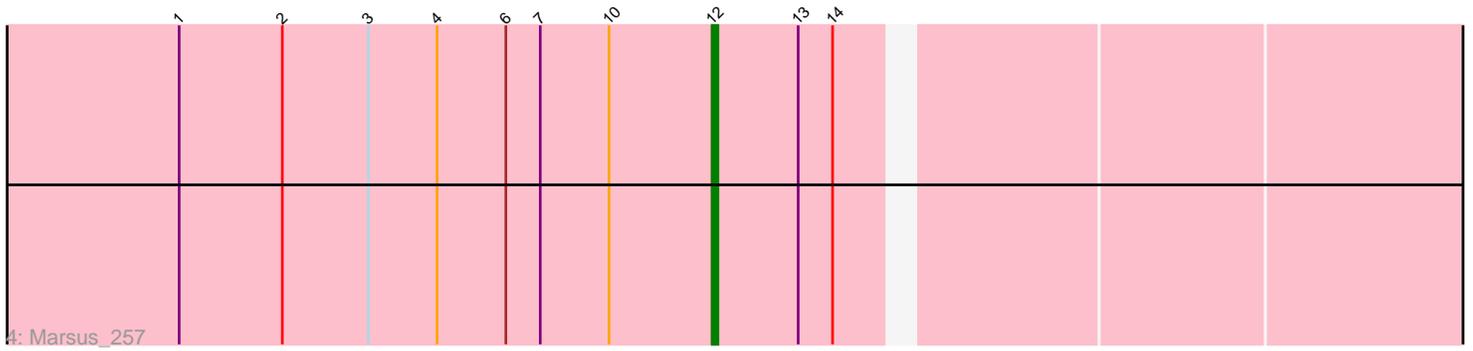
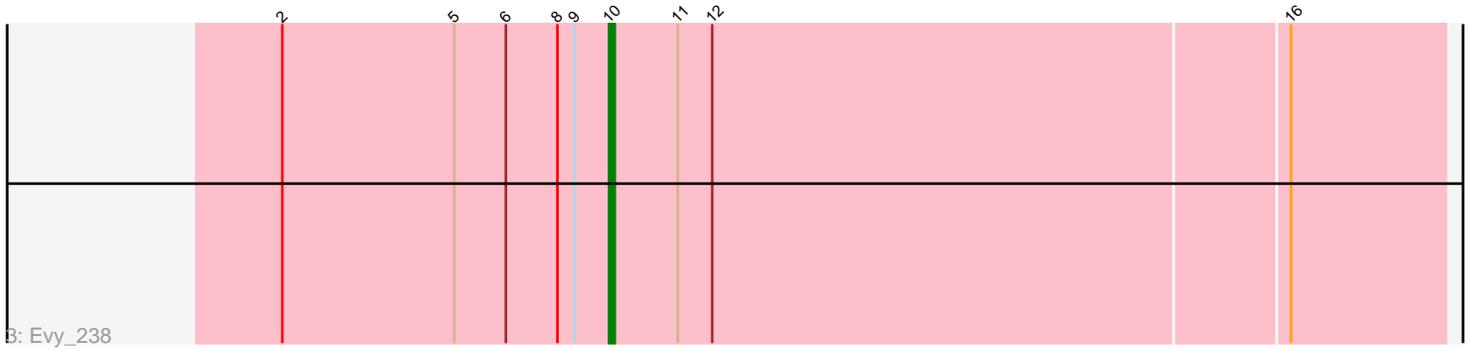
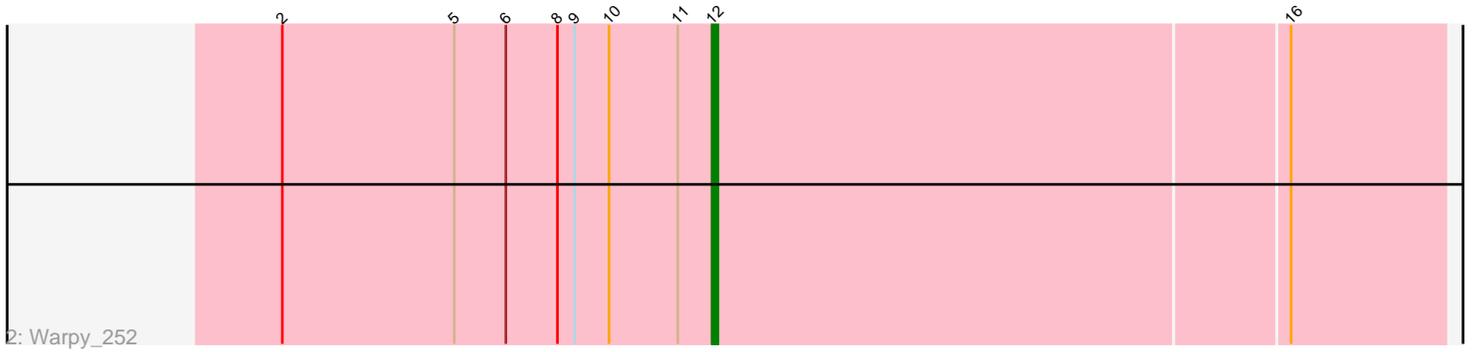
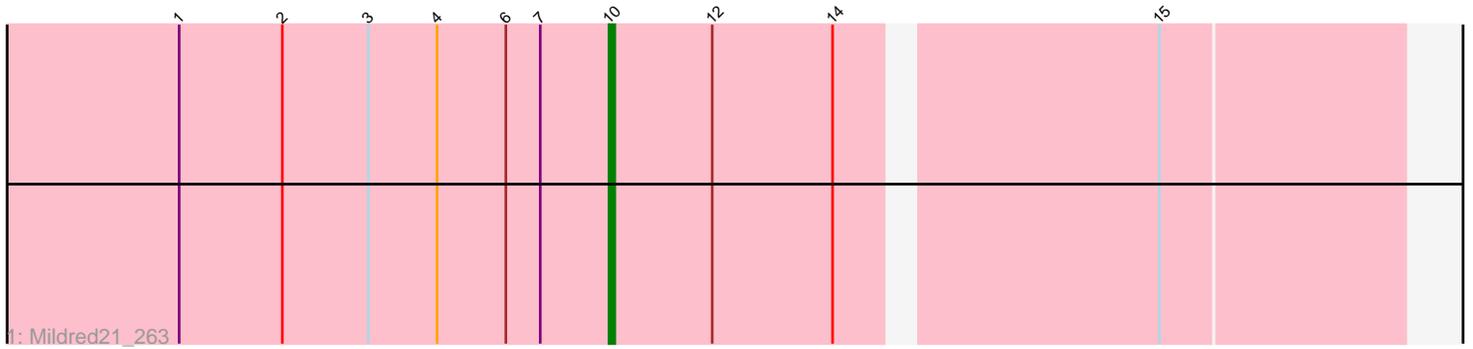


Pham 284678



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 284678 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284678 has 4 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Mildred21_263
- Track 2 : Warpy_252
- Track 3 : Evy_238
- Track 4 : Marsus_257

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Evy_238, Mildred21_263,

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

- Marsus_257, Warpy_252,

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

-

Summary by start number:

Start 10:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Evy_238 (BE1), Mildred21_263 (BE1),

Start 12:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Marsus_257 (BE1), Warpy_252 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:

- Start number 10 was manually annotated 2 times for cluster BE1.
- Start number 12 was manually annotated 2 times for cluster BE1.

Gene Information:

Gene: Evy_238 Start: 121200, Stop: 121343, Start Num: 10

Candidate Starts for Evy_238:

(2, 121143), (5, 121173), (6, 121182), (8, 121191), (9, 121194), (Start: 10 @121200 has 2 MA's), (11, 121212), (Start: 12 @121218 has 2 MA's), (16, 121317),

Gene: Marsus_257 Start: 123175, Stop: 123306, Start Num: 12

Candidate Starts for Marsus_257:

(1, 123082), (2, 123100), (3, 123115), (4, 123127), (6, 123139), (7, 123145), (Start: 10 @123157 has 2 MA's), (Start: 12 @123175 has 2 MA's), (13, 123190), (14, 123196),

Gene: Mildred21_263 Start: 120638, Stop: 120769, Start Num: 10

Candidate Starts for Mildred21_263:

(1, 120563), (2, 120581), (3, 120596), (4, 120608), (6, 120620), (7, 120626), (Start: 10 @120638 has 2 MA's), (Start: 12 @120656 has 2 MA's), (14, 120677), (15, 120728),

Gene: Warpy_252 Start: 121027, Stop: 121152, Start Num: 12

Candidate Starts for Warpy_252:

(2, 120952), (5, 120982), (6, 120991), (8, 121000), (9, 121003), (Start: 10 @121009 has 2 MA's), (11, 121021), (Start: 12 @121027 has 2 MA's), (16, 121126),