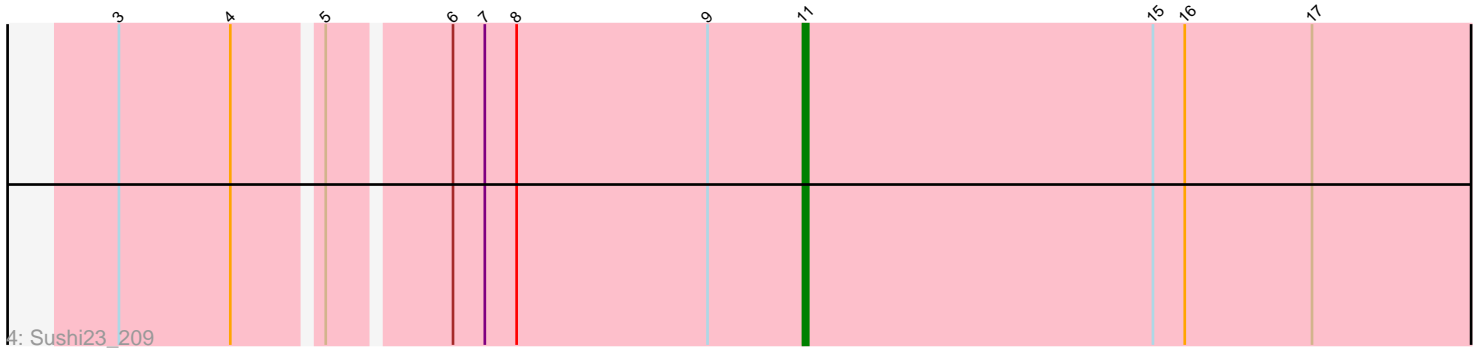
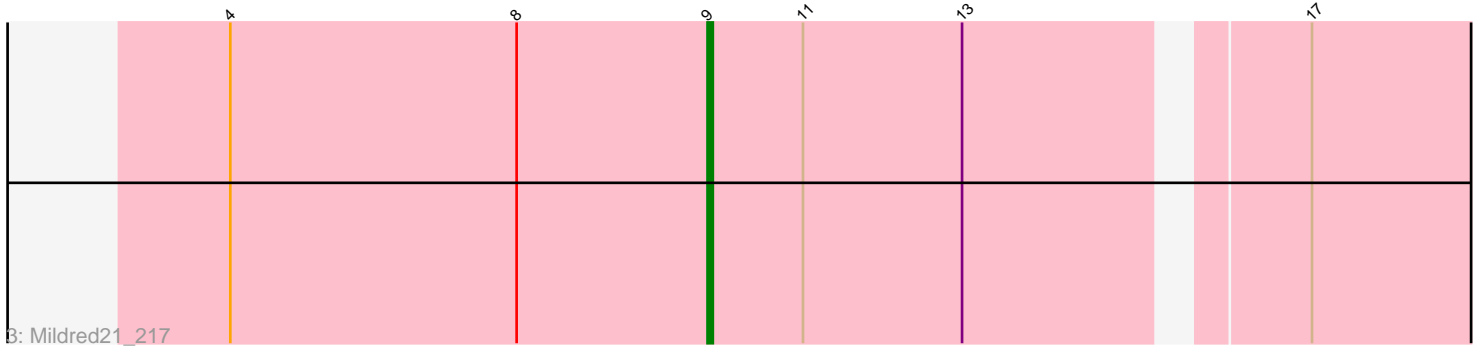
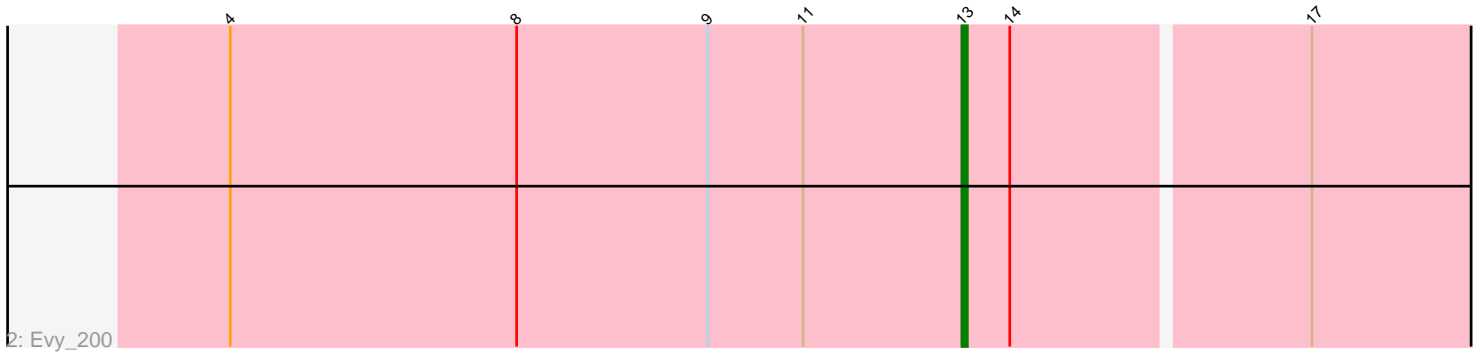
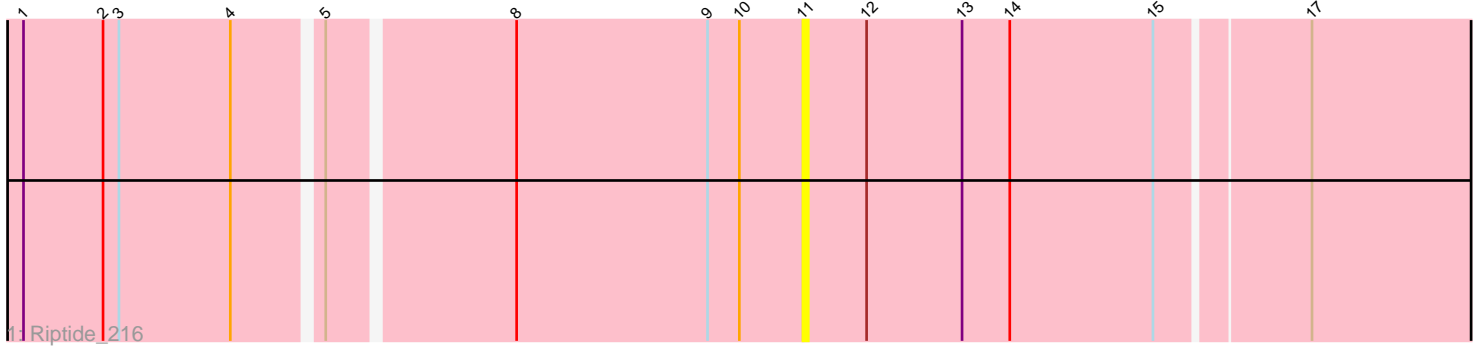


Pham 225357



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 225357 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225357 has 4 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Riptide_216
- Track 2 : Evy_200
- Track 3 : Mildred21_217
- Track 4 : Sushi23_209

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

The start number called the most often in the published annotations is 9, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Mildred21_217,

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

- Evy_200, Riptide_216, Sushi23_209,

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

-

Summary by start number:

Start 9:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Mildred21_217 (BE1),

Start 11:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Riptide_216 (BE1), Sushi23_209 (BE1),

Start 13:

- Found in 3 of 4 (75.0%) 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: Evy_200 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:

- Start number 9 was manually annotated 1 time for cluster BE1.
- Start number 11 was manually annotated 1 time for cluster BE1.
- Start number 13 was manually annotated 1 time for cluster BE1.

Gene Information:

Gene: Evy_200 Start: 106705, Stop: 106821, Start Num: 13

Candidate Starts for Evy_200:

(4, 106567), (8, 106621), (Start: 9 @106657 has 1 MA's), (Start: 11 @106675 has 1 MA's), (Start: 13 @106705 has 1 MA's), (14, 106714), (17, 106768),

Gene: Mildred21_217 Start: 104294, Stop: 104452, Start Num: 9

Candidate Starts for Mildred21_217:

(4, 104204), (8, 104258), (Start: 9 @104294 has 1 MA's), (Start: 11 @104312 has 1 MA's), (Start: 13 @104342 has 1 MA's), (17, 104399),

Gene: Riptide_216 Start: 105633, Stop: 105758, Start Num: 11

Candidate Starts for Riptide_216:

(1, 105492), (2, 105507), (3, 105510), (4, 105531), (5, 105546), (8, 105579), (Start: 9 @105615 has 1 MA's), (10, 105621), (Start: 11 @105633 has 1 MA's), (12, 105645), (Start: 13 @105663 has 1 MA's), (14, 105672), (15, 105699), (17, 105726),

Gene: Sushi23_209 Start: 107175, Stop: 107324, Start Num: 11

Candidate Starts for Sushi23_209:

(3, 107052), (4, 107073), (5, 107088), (6, 107109), (7, 107115), (8, 107121), (Start: 9 @107157 has 1 MA's), (Start: 11 @107175 has 1 MA's), (15, 107241), (16, 107247), (17, 107271),