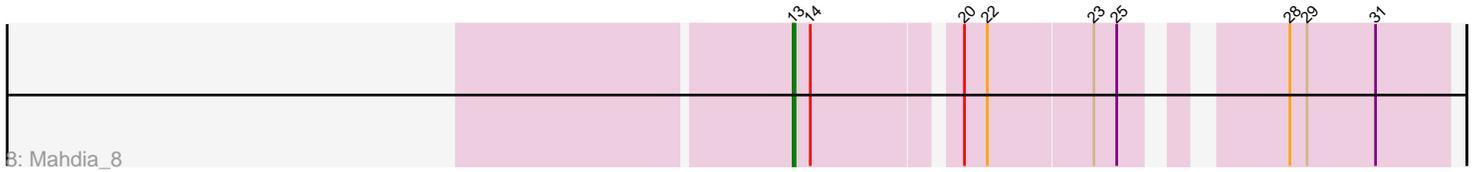
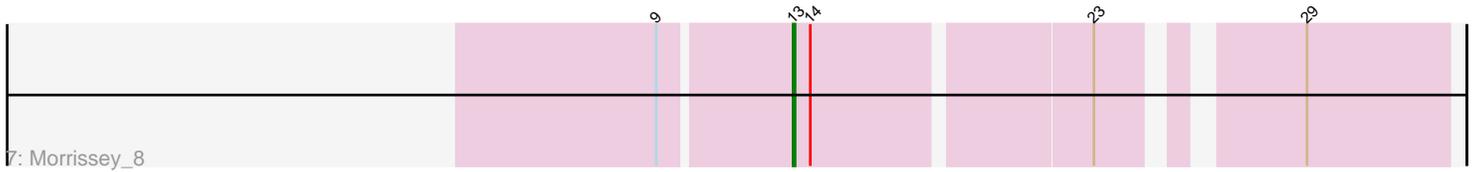
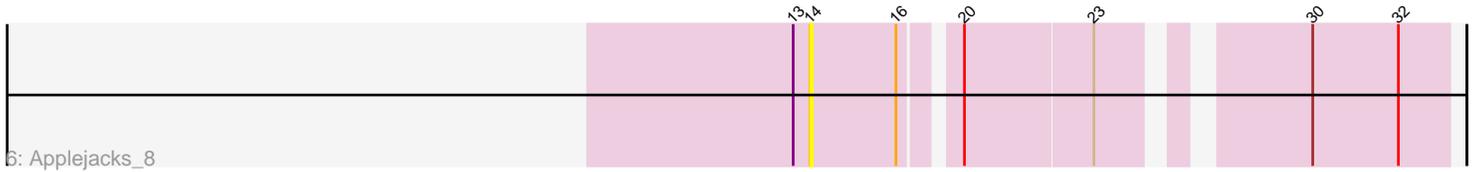
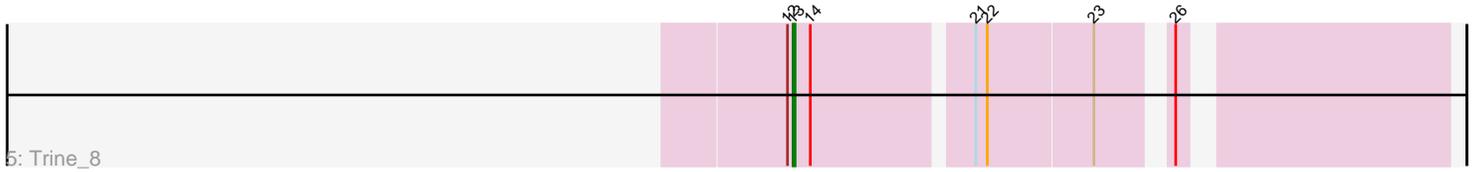
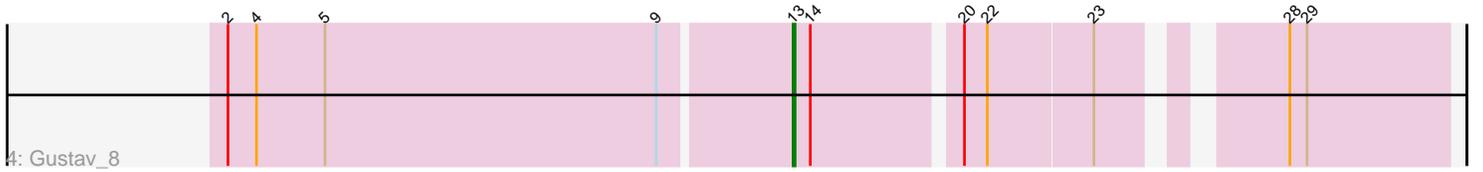
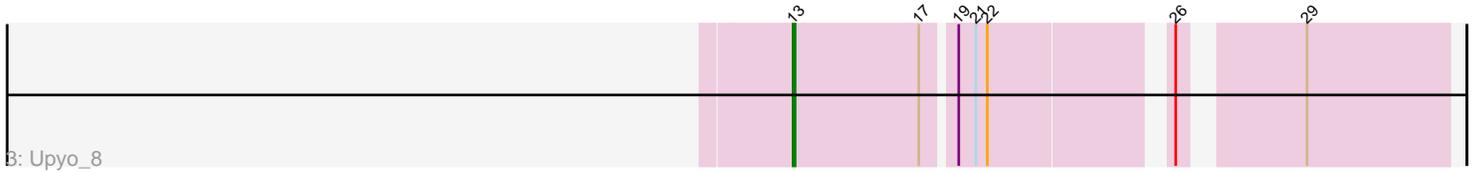
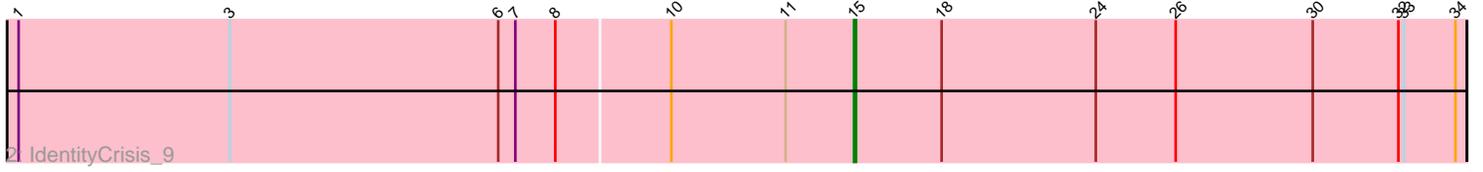
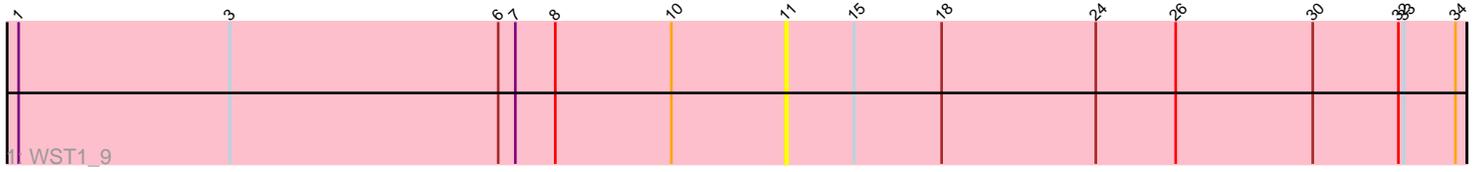


Pham 291755



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 291755 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291755 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : WST1_9
- Track 2 : IdentityCrisis_9
- Track 3 : Upyo_8
- Track 4 : Gustav_8
- Track 5 : Trine_8
- Track 6 : Applejacks_8
- Track 7 : Morrissey_8
- Track 8 : Mahdia_8
- Track 9 : Puppies_8, Widow_8

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

The start number called the most often in the published annotations is 13, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gustav_8, Mahdia_8, Morrissey_8, Puppies_8, Trine_8, Upyo_8, Widow_8,

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

- Applejacks_8,

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

- IdentityCrisis_9, WST1_9,

Summary by start number:

Start 11:

- Found in 2 of 10 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: WST1_9 (AJ),

Start 13:

- Found in 8 of 10 (80.0%) of genes in pham

- Manual Annotations of this start: 7 of 8
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Gustav_8 (CD), Mahdia_8 (CD), Morrissey_8 (CD), Poppers_8 (CD), Trine_8 (CD), Upyo_8 (CD), Widow_8 (CD),

Start 14:

- Found in 5 of 10 (50.0%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Applejacks_8 (CD),

Start 15:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_9 (AJ),

Summary by clusters:

There are 2 clusters represented in this pham: AJ, CD,

Info for manual annotations of cluster AJ:

- Start number 15 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CD:

- Start number 13 was manually annotated 7 times for cluster CD.

Gene Information:

Gene: Applejacks_8 Start: 6532, Stop: 6825, Start Num: 14

Candidate Starts for Applejacks_8:

(Start: 13 @6523 has 7 MA's), (14, 6532), (16, 6577), (20, 6601), (23, 6667), (30, 6754), (32, 6799),

Gene: Gustav_8 Start: 6587, Stop: 6892, Start Num: 13

Candidate Starts for Gustav_8:

(2, 6296), (4, 6311), (5, 6347), (9, 6521), (Start: 13 @6587 has 7 MA's), (14, 6596), (20, 6668), (22, 6680), (23, 6734), (28, 6809), (29, 6818),

Gene: IdentityCrisis_9 Start: 7458, Stop: 7778, Start Num: 15

Candidate Starts for IdentityCrisis_9:

(1, 7023), (3, 7134), (6, 7275), (7, 7284), (8, 7305), (10, 7362), (11, 7422), (Start: 15 @7458 has 1 MA's), (18, 7503), (24, 7584), (26, 7626), (30, 7698), (32, 7743), (33, 7746), (34, 7773),

Gene: Mahdia_8 Start: 6589, Stop: 6891, Start Num: 13

Candidate Starts for Mahdia_8:

(Start: 13 @6589 has 7 MA's), (14, 6598), (20, 6667), (22, 6679), (23, 6733), (25, 6745), (28, 6808), (29, 6817), (31, 6853),

Gene: Morrissey_8 Start: 6562, Stop: 6867, Start Num: 13

Candidate Starts for Morrissey_8:

(9, 6496), (Start: 13 @6562 has 7 MA's), (14, 6571), (23, 6709), (29, 6793),

Gene: Puppets_8 Start: 6487, Stop: 6804, Start Num: 13

Candidate Starts for Puppets_8:

(Start: 13 @6487 has 7 MA's), (22, 6577), (23, 6631), (27, 6718),

Gene: Trine_8 Start: 6505, Stop: 6810, Start Num: 13

Candidate Starts for Trine_8:

(12, 6502), (Start: 13 @6505 has 7 MA's), (14, 6514), (21, 6592), (22, 6598), (23, 6652), (26, 6682),

Gene: Upyo_8 Start: 6522, Stop: 6830, Start Num: 13

Candidate Starts for Upyo_8:

(Start: 13 @6522 has 7 MA's), (17, 6588), (19, 6603), (21, 6612), (22, 6618), (26, 6702), (29, 6756),

Gene: WST1_9 Start: 7425, Stop: 7781, Start Num: 11

Candidate Starts for WST1_9:

(1, 7023), (3, 7134), (6, 7275), (7, 7284), (8, 7305), (10, 7365), (11, 7425), (Start: 15 @7461 has 1 MA's), (18, 7506), (24, 7587), (26, 7629), (30, 7701), (32, 7746), (33, 7749), (34, 7776),

Gene: Widow_8 Start: 6478, Stop: 6795, Start Num: 13

Candidate Starts for Widow_8:

(Start: 13 @6478 has 7 MA's), (22, 6568), (23, 6622), (27, 6709),