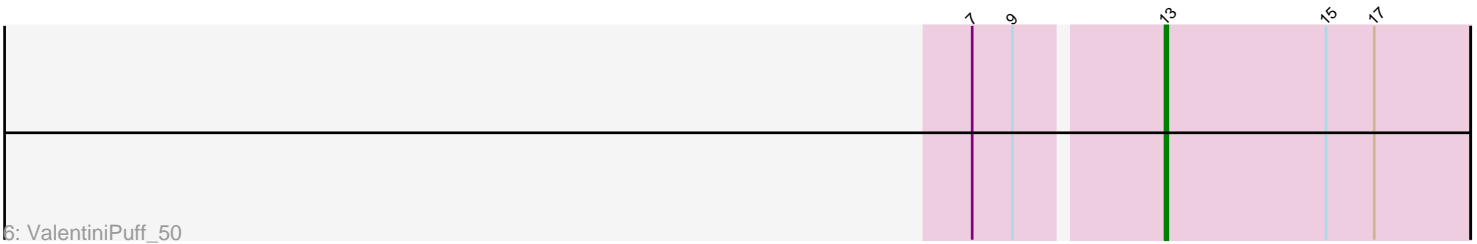
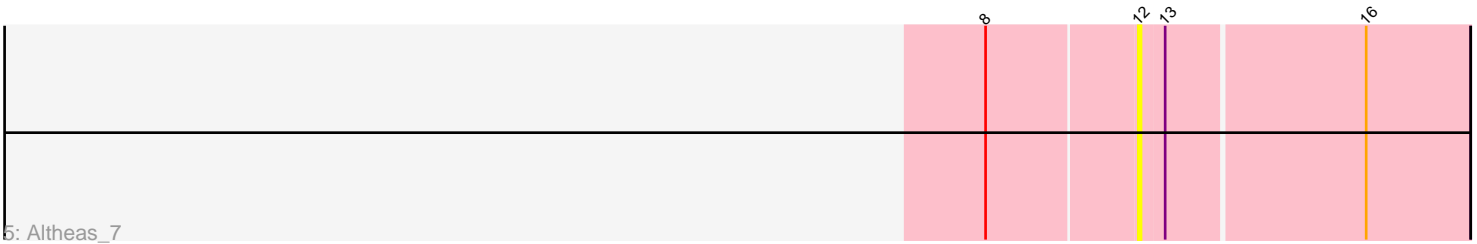
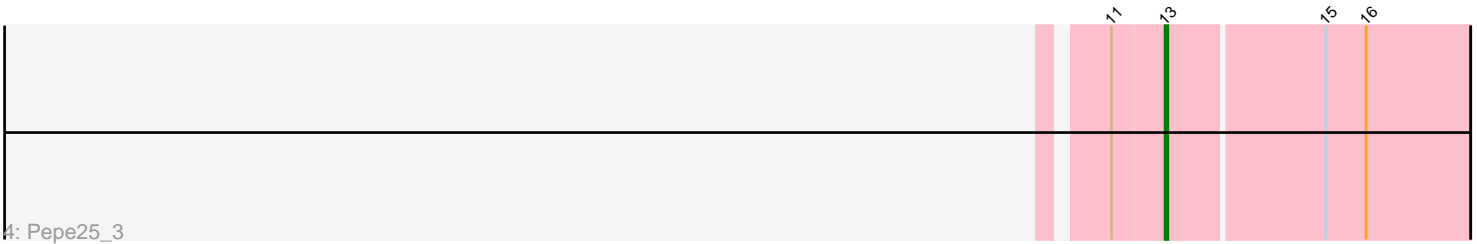
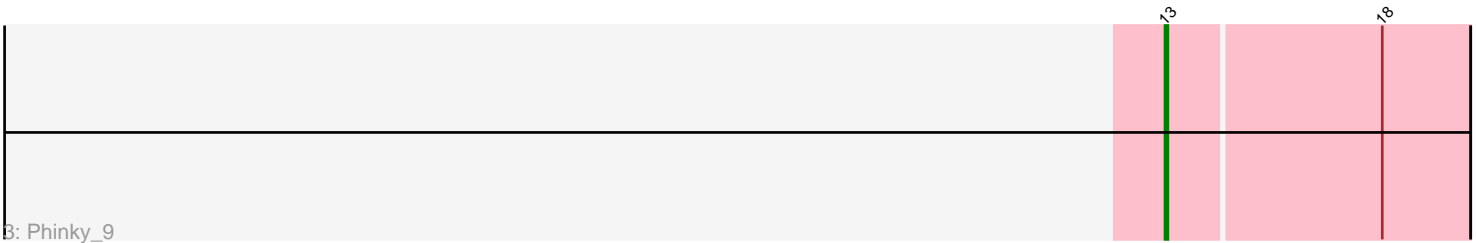
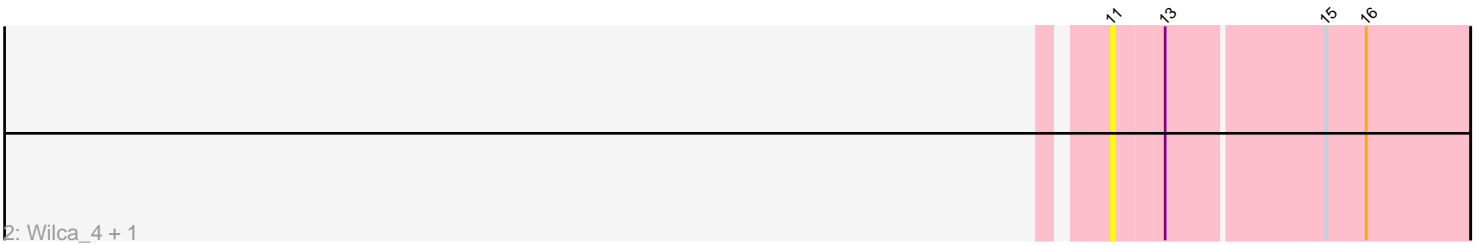
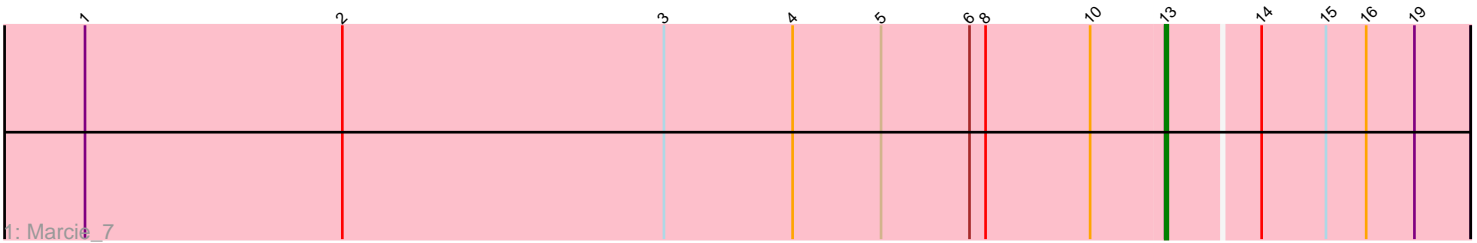


Pham 88655



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 88655 Report

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

Pham number 88655 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Marcie_7
- Track 2 : Wilca_4, BirdInFrench_4
- Track 3 : Phinky_9
- Track 4 : Pepe25_3
- Track 5 : Altheas_7
- Track 6 : ValentiniPuff_50

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Marcie_7, Pepe25_3, Phinky_9, ValentiniPuff_50,

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

- Altheas_7, BirdInFrench_4, Wilca_4,

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

-

Summary by start number:

Start 11:

- Found in 3 of 7 (42.9%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BirdInFrench_4 (EG), Wilca_4 (EG),

Start 12:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_7 (EG),

Start 13:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Marcie_7 (EG), Pepe25_3 (EG), Phinky_9 (EG), ValentiniPuff_50 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: EG, singleton,

Info for manual annotations of cluster EG:

- Start number 13 was manually annotated 3 times for cluster EG.

Gene Information:

Gene: Altheas_7 Start: 2207, Stop: 2088, Start Num: 12

Candidate Starts for Altheas_7:

(8, 2261), (12, 2207), (Start: 13 @2198 has 4 MA's), (16, 2126),

Gene: BirdInFrench_4 Start: 1508, Stop: 1380, Start Num: 11

Candidate Starts for BirdInFrench_4:

(11, 1508), (Start: 13 @1490 has 4 MA's), (15, 1433), (16, 1418),

Gene: Marcie_7 Start: 1857, Stop: 1747, Start Num: 13

Candidate Starts for Marcie_7:

(1, 2259), (2, 2163), (3, 2043), (4, 1995), (5, 1962), (6, 1929), (8, 1923), (10, 1884), (Start: 13 @1857 has 4 MA's), (14, 1824), (15, 1800), (16, 1785), (19, 1767),

Gene: Pepe25_3 Start: 1490, Stop: 1380, Start Num: 13

Candidate Starts for Pepe25_3:

(11, 1508), (Start: 13 @1490 has 4 MA's), (15, 1433), (16, 1418),

Gene: Phinky_9 Start: 2318, Stop: 2208, Start Num: 13

Candidate Starts for Phinky_9:

(Start: 13 @2318 has 4 MA's), (18, 2240),

Gene: ValentiniPuff_50 Start: 25556, Stop: 25669, Start Num: 13

Candidate Starts for ValentiniPuff_50:

(7, 25490), (9, 25505), (Start: 13 @25556 has 4 MA's), (15, 25616), (17, 25634),

Gene: Wilca_4 Start: 1508, Stop: 1380, Start Num: 11

Candidate Starts for Wilca_4:

(11, 1508), (Start: 13 @1490 has 4 MA's), (15, 1433), (16, 1418),