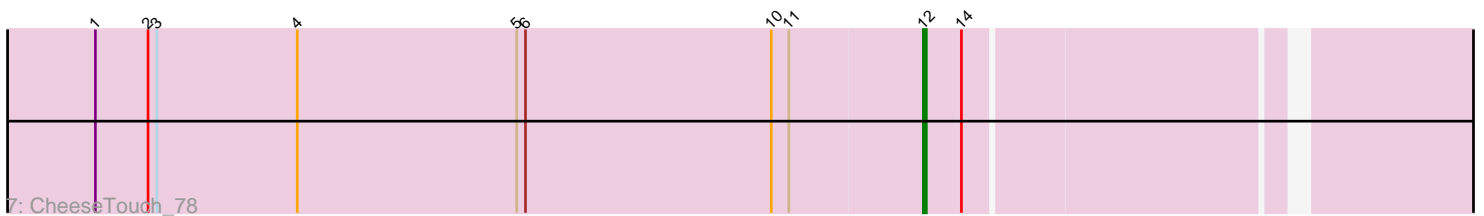
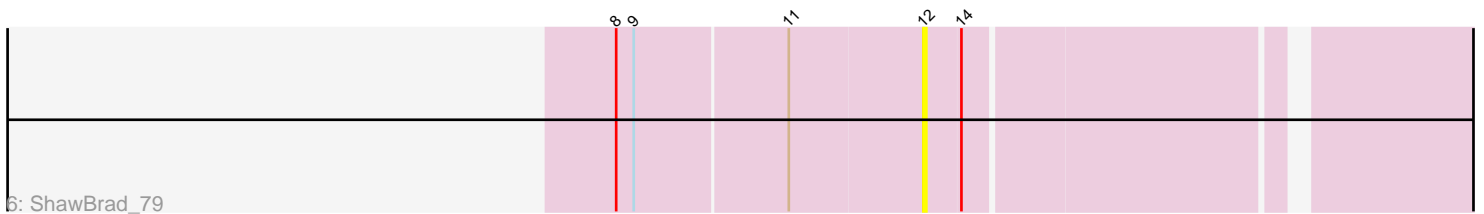
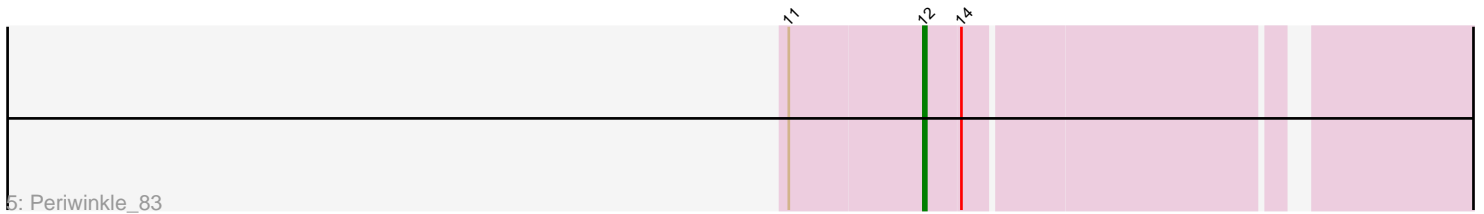
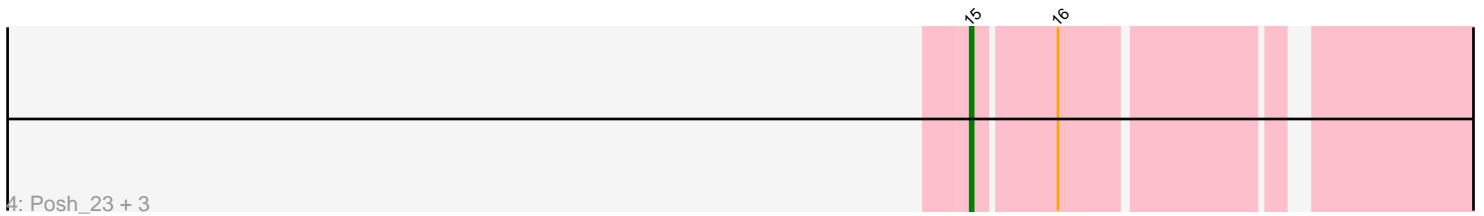
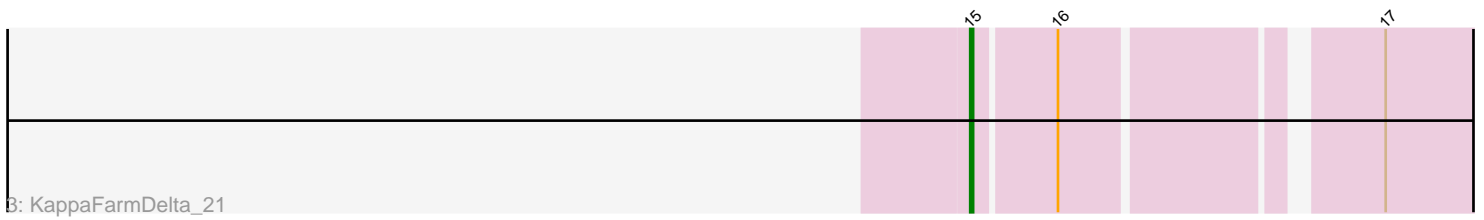
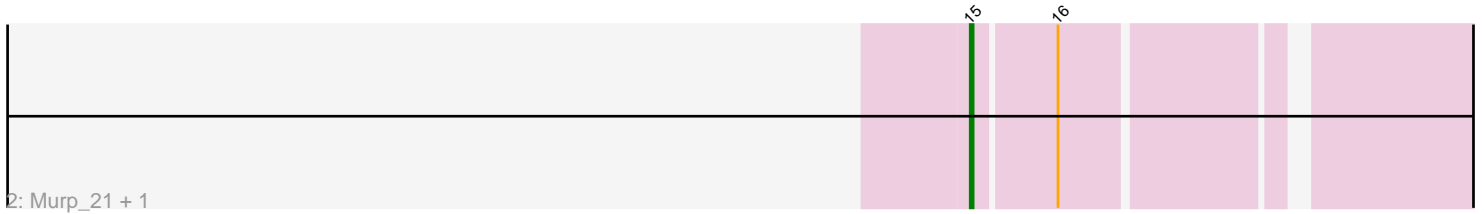
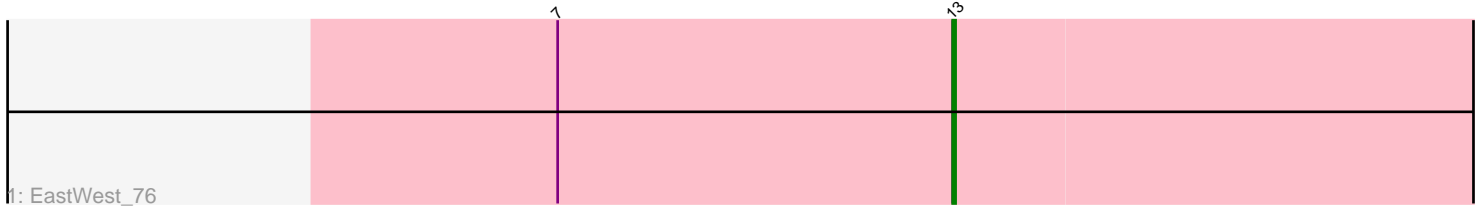


Pham 297151



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 297151 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297151 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : EastWest_76
- Track 2 : Murp_21, CheeseSpider_24
- Track 3 : KappaFarmDelta_21
- Track 4 : Posh_23, Wrigley_23, Pytheas_23, Jablanski_23
- Track 5 : Periwinkle_83
- Track 6 : ShawBrad_79
- Track 7 : CheeseTouch_78

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

The start number called the most often in the published annotations is 15, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CheeseSpider_24, Jablanski_23, KappaFarmDelta_21, Murp_21, Posh_23, Pytheas_23, Wrigley_23,

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

-

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

- CheeseTouch_78, EastWest_76, Periwinkle_83, ShawBrad_79,

Summary by start number:

Start 12:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CheeseTouch_78 (DN1), Periwinkle_83 (DN1), ShawBrad_79 (DN1),

Start 13:

- Found in 1 of 11 (9.1%) of genes in pham

- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EastWest_76 (AO),

Start 15:

- Found in 7 of 11 (63.6%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CheeseSpider_24 (CV), Jablanski_23 (CY3), KappaFarmDelta_21 (CV), Murp_21 (CV), Posh_23 (CY4), Pytheas_23 (CY3), Wrigley_23 (CY4),

Summary by clusters:

There are 5 clusters represented in this pham: CY3, DN1, CV, AO, CY4,

Info for manual annotations of cluster AO:

- Start number 13 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster CV:

- Start number 15 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster CY3:

- Start number 15 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 15 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster DN1:

- Start number 12 was manually annotated 2 times for cluster DN1.

Gene Information:

Gene: CheeseSpider_24 Start: 19383, Stop: 19586, Start Num: 15

Candidate Starts for CheeseSpider_24:

(Start: 15 @19383 has 6 MA's), (16, 19410),

Gene: CheeseTouch_78 Start: 40545, Stop: 40745, Start Num: 12

Candidate Starts for CheeseTouch_78:

(1, 40263), (2, 40281), (3, 40284), (4, 40332), (5, 40407), (6, 40410), (10, 40494), (11, 40500), (Start: 12 @40545 has 2 MA's), (14, 40557),

Gene: EastWest_76 Start: 45392, Stop: 45592, Start Num: 13

Candidate Starts for EastWest_76:

(7, 45257), (Start: 13 @45392 has 1 MA's),

Gene: Jablanski_23 Start: 20497, Stop: 20700, Start Num: 15

Candidate Starts for Jablanski_23:

(Start: 15 @20497 has 6 MA's), (16, 20524),

Gene: KappaFarmDelta_21 Start: 19185, Stop: 19388, Start Num: 15

Candidate Starts for KappaFarmDelta_21:
(Start: 15 @19185 has 6 MA's), (16, 19212), (17, 19308),

Gene: Murp_21 Start: 19085, Stop: 19288, Start Num: 15
Candidate Starts for Murp_21:
(Start: 15 @19085 has 6 MA's), (16, 19112),

Gene: Periwinkle_83 Start: 46446, Stop: 46646, Start Num: 12
Candidate Starts for Periwinkle_83:
(11, 46401), (Start: 12 @46446 has 2 MA's), (14, 46458),

Gene: Posh_23 Start: 20350, Stop: 20553, Start Num: 15
Candidate Starts for Posh_23:
(Start: 15 @20350 has 6 MA's), (16, 20377),

Gene: Pytheas_23 Start: 20496, Stop: 20699, Start Num: 15
Candidate Starts for Pytheas_23:
(Start: 15 @20496 has 6 MA's), (16, 20523),

Gene: ShawBrad_79 Start: 43937, Stop: 44137, Start Num: 12
Candidate Starts for ShawBrad_79:
(8, 43835), (9, 43841), (11, 43892), (Start: 12 @43937 has 2 MA's), (14, 43949),

Gene: Wrigley_23 Start: 20247, Stop: 20450, Start Num: 15
Candidate Starts for Wrigley_23:
(Start: 15 @20247 has 6 MA's), (16, 20274),