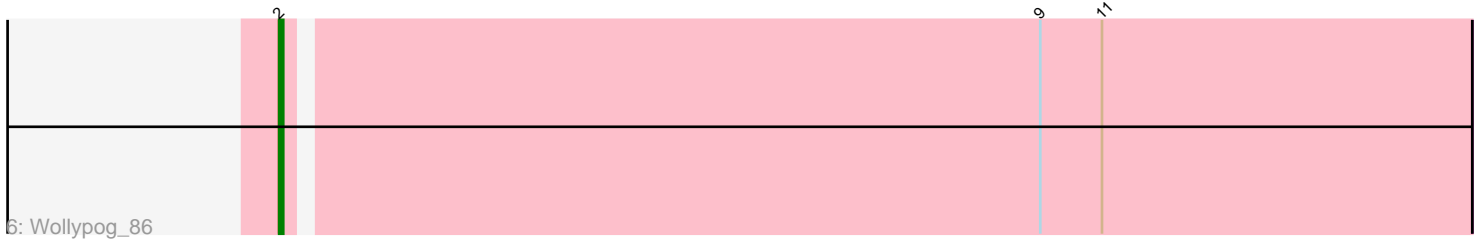
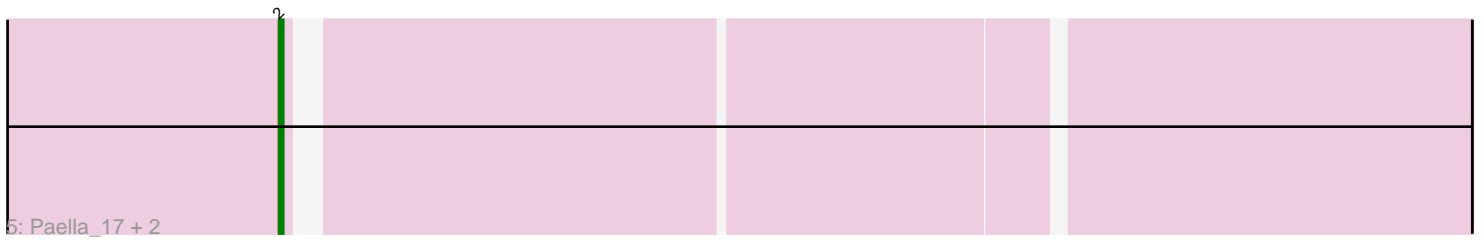
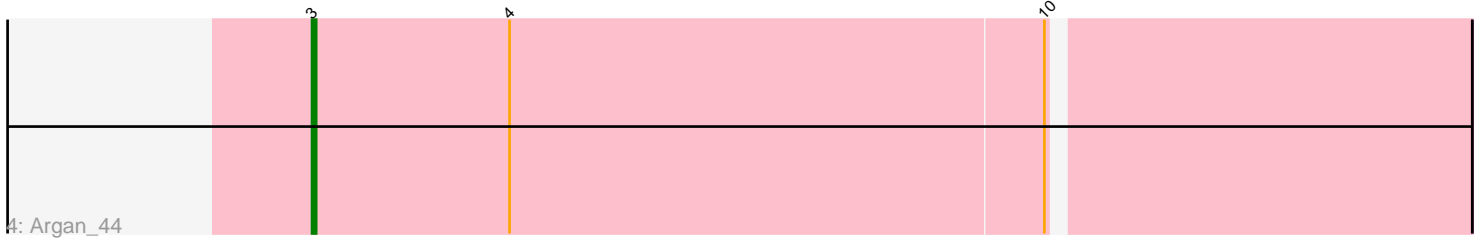
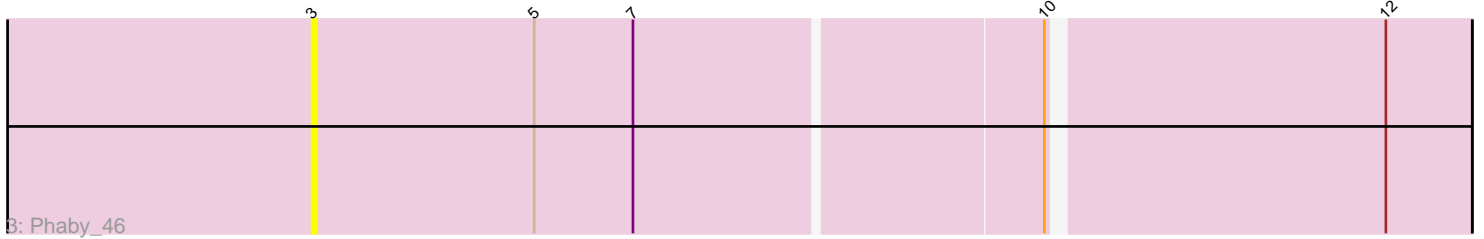
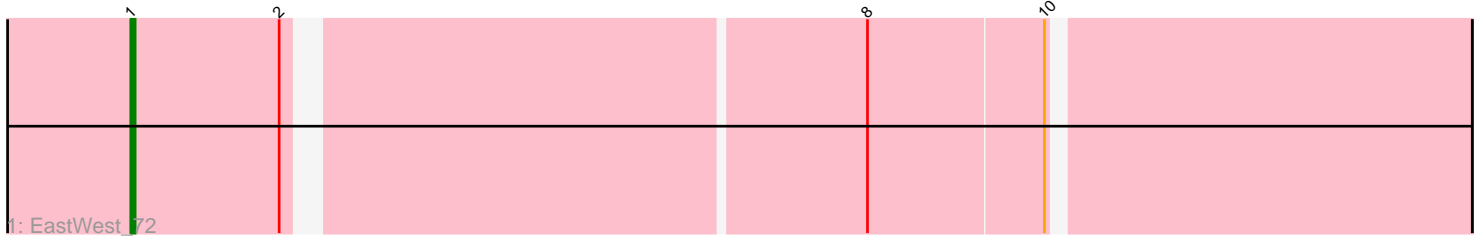


Pham 8174



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 8174 Report

This analysis was run 07/09/24 on database version 566.

Pham number 8174 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : EastWest_72
- Track 2 : Tokki_49
- Track 3 : Phaby_46
- Track 4 : Argan_44
- Track 5 : Paella_17, Elver_16, Qui_17
- Track 6 : Wollypog_86

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Elver_16, Paella_17, Qui_17, Wollypog_86,

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

- EastWest_72,

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

- Argan_44, Phaby_46, Tokki_49,

Summary by start number:

Start 1:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EastWest_72 (AO),

Start 2:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 80.0% of time when present

- Phage (with cluster) where this start called: Elver_16 (FK), Paella_17 (FK), Qui_17 (FK), Wollypog_86 (singleton),

Start 3:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan_44 (AU6), Phaby_46 (AU2), Tokki_49 (AU2),

Summary by clusters:

There are 5 clusters represented in this pham: FK, singleton, AU2, AO, AU6,

Info for manual annotations of cluster AO:

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

Info for manual annotations of cluster AU2:

- Start number 3 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU6:

- Start number 3 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster FK:

- Start number 2 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Argan_44 Start: 31581, Stop: 31856, Start Num: 3

Candidate Starts for Argan_44:

(Start: 3 @31581 has 2 MA's), (4, 31629), (10, 31758),

Gene: EastWest_72 Start: 42681, Stop: 42989, Start Num: 1

Candidate Starts for EastWest_72:

(Start: 1 @42681 has 1 MA's), (Start: 2 @42717 has 3 MA's), (8, 42849), (10, 42891),

Gene: Elver_16 Start: 9391, Stop: 9663, Start Num: 2

Candidate Starts for Elver_16:

(Start: 2 @9391 has 3 MA's),

Gene: Paella_17 Start: 9390, Stop: 9662, Start Num: 2

Candidate Starts for Paella_17:

(Start: 2 @9390 has 3 MA's),

Gene: Phaby_46 Start: 34334, Stop: 34606, Start Num: 3

Candidate Starts for Phaby_46:

(Start: 3 @34334 has 2 MA's), (5, 34388), (7, 34412), (10, 34508), (12, 34586),

Gene: Qui_17 Start: 9390, Stop: 9662, Start Num: 2

Candidate Starts for Qui_17:

(Start: 2 @9390 has 3 MA's),

Gene: Tokki_49 Start: 33957, Stop: 34232, Start Num: 3
Candidate Starts for Tokki_49:
(Start: 3 @33957 has 2 MA's), (6, 34023), (10, 34134),

Gene: Wollypog_86 Start: 57877, Stop: 58161, Start Num: 2
Candidate Starts for Wollypog_86:
(Start: 2 @57877 has 3 MA's), (9, 58057), (11, 58072),