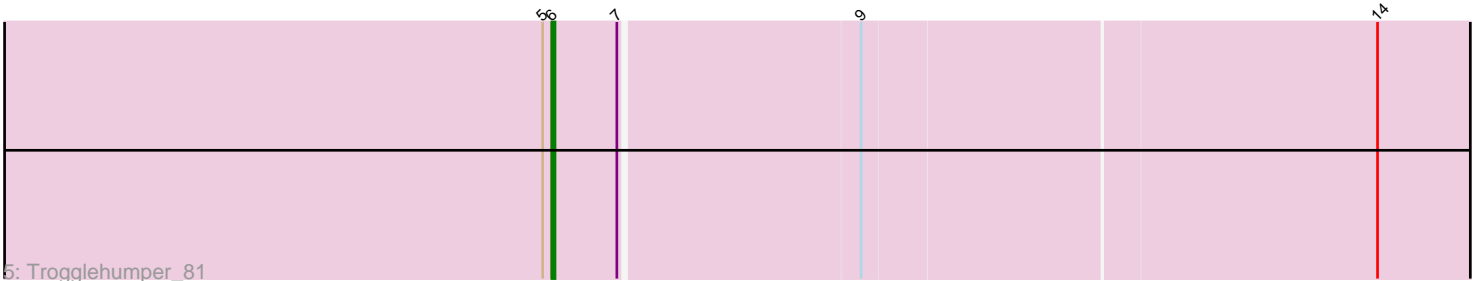
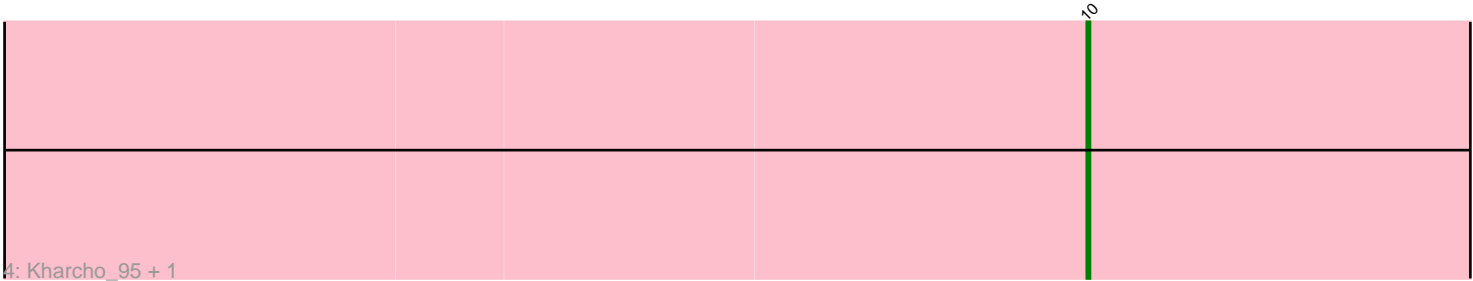
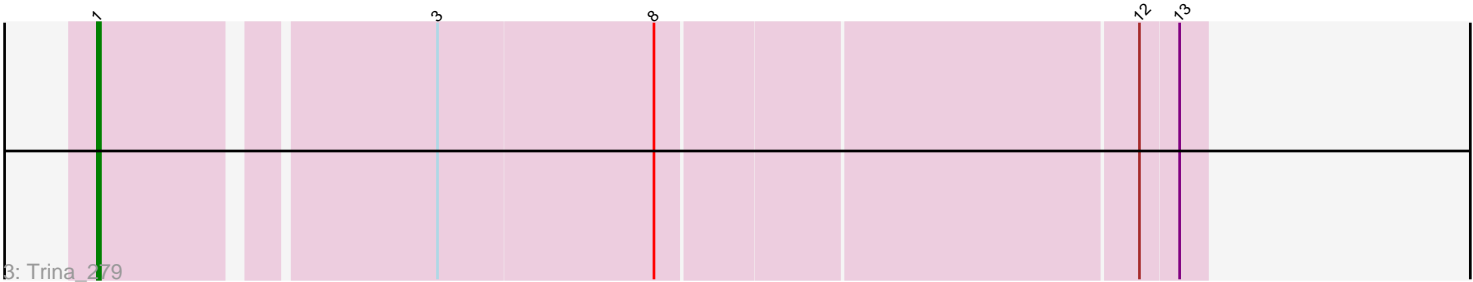
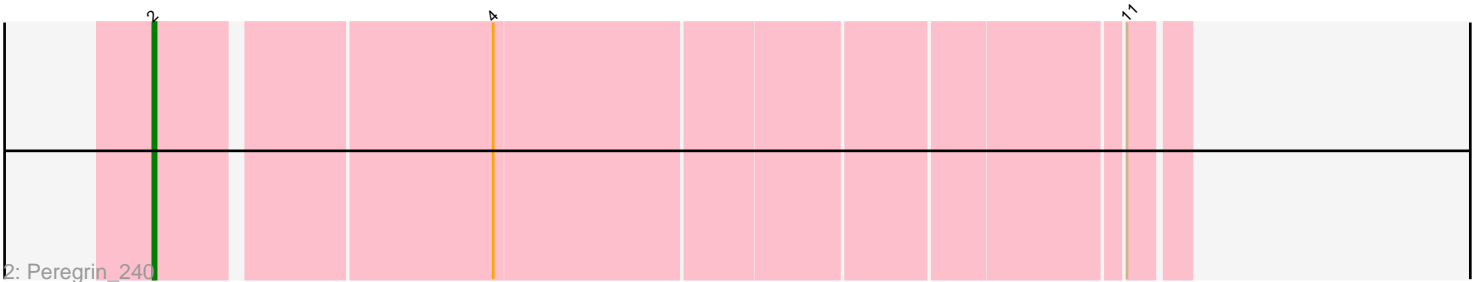
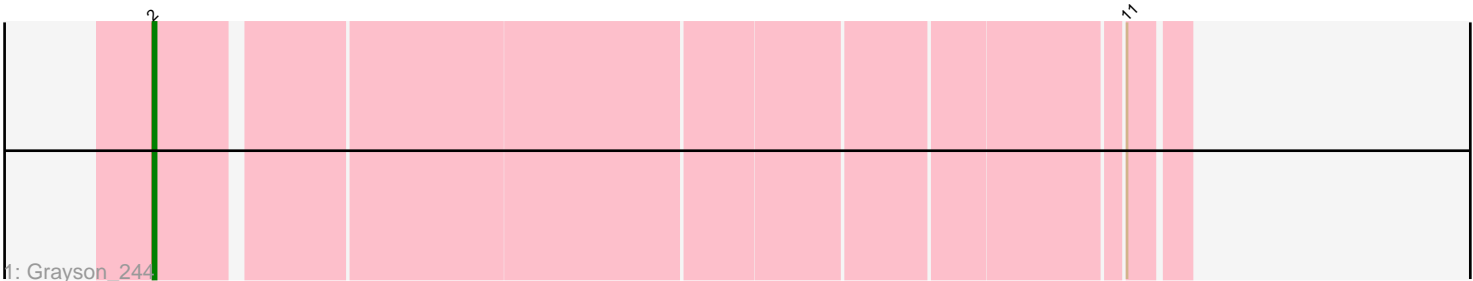


Pham 72682



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 72682 Report

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

Pham number 72682 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Grayson_244
- Track 2 : Peregrin_240
- Track 3 : Trina_279
- Track 4 : Kharcho_95, Ottawa_95
- Track 5 : Trogglehumper_81

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Kharcho_95, Ottawa_95,

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

-

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

- Grayson_244, Peregrin_240, Trina_279, Trogglehumper_81,

Summary by start number:

Start 1:

- Found in 1 of 6 (16.7%) 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: Trina_279 (CE),

Start 2:

- Found in 2 of 6 (33.3%) 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: Grayson_244 (CB), Peregrin_240 (CB),

Start 6:

- Found in 1 of 6 (16.7%) 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: Trogglehumper_81 (singleton),

Start 10:

- Found in 2 of 6 (33.3%) 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: Kharcho_95 (FM), Ottawa_95 (FM),

Summary by clusters:

There are 4 clusters represented in this pham: CB, singleton, FM, CE,

Info for manual annotations of cluster CB:

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

Info for manual annotations of cluster CE:

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

Info for manual annotations of cluster FM:

- Start number 10 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: Grayson_244 Start: 116496, Stop: 116807, Start Num: 2

Candidate Starts for Grayson_244:

(Start: 2 @116496 has 2 MA's), (11, 116790),

Gene: Kharcho_95 Start: 56446, Stop: 56757, Start Num: 10

Candidate Starts for Kharcho_95:

(Start: 10 @56446 has 2 MA's),

Gene: Ottawa_95 Start: 56396, Stop: 56707, Start Num: 10

Candidate Starts for Ottawa_95:

(Start: 10 @56396 has 2 MA's),

Gene: Peregrin_240 Start: 117304, Stop: 117615, Start Num: 2

Candidate Starts for Peregrin_240:

(Start: 2 @117304 has 2 MA's), (4, 117406), (11, 117598),

Gene: Trina_279 Start: 134491, Stop: 134829, Start Num: 1

Candidate Starts for Trina_279:

(Start: 1 @134491 has 1 MA's), (3, 134590), (8, 134659), (12, 134809), (13, 134821),

Gene: Trogglehumper_81 Start: 63535, Stop: 63179, Start Num: 6

Candidate Starts for Trogglehumper_81:

(5, 63538), (Start: 6 @63535 has 1 MA's), (7, 63514), (9, 63439), (14, 63277),