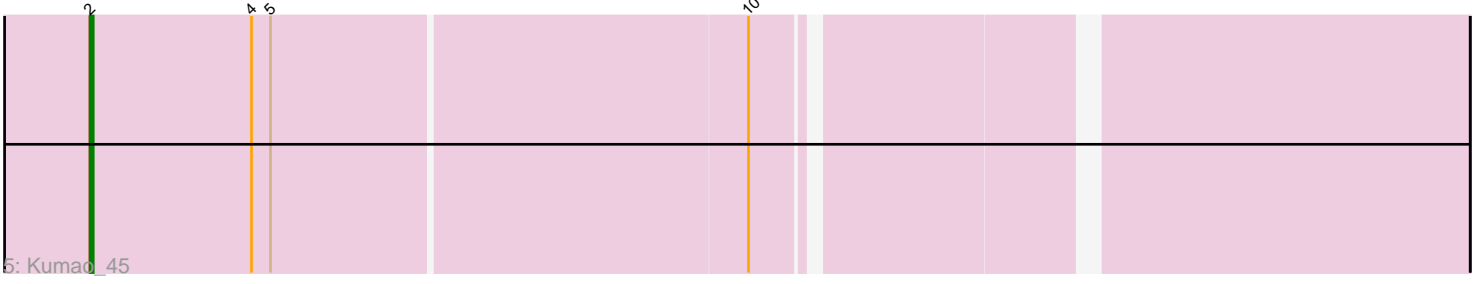
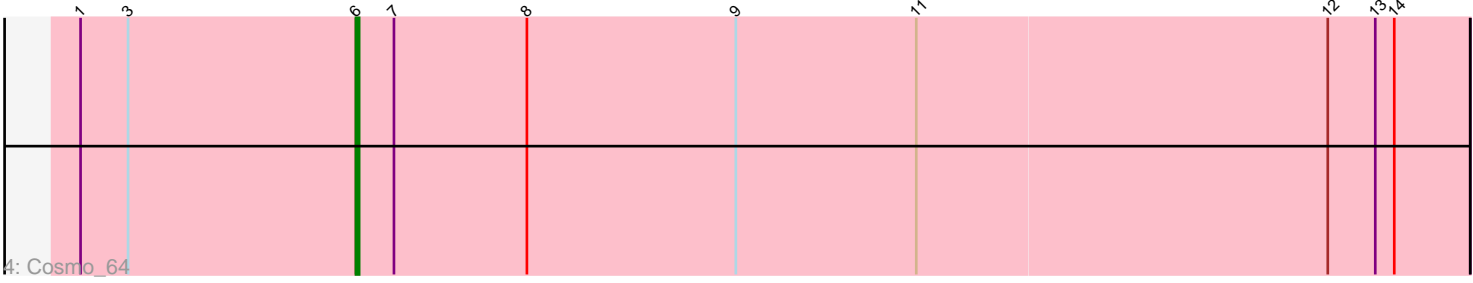
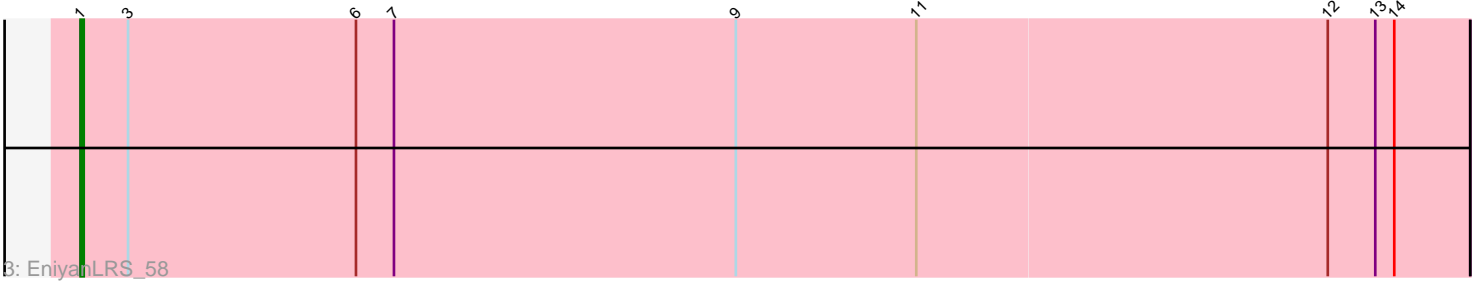
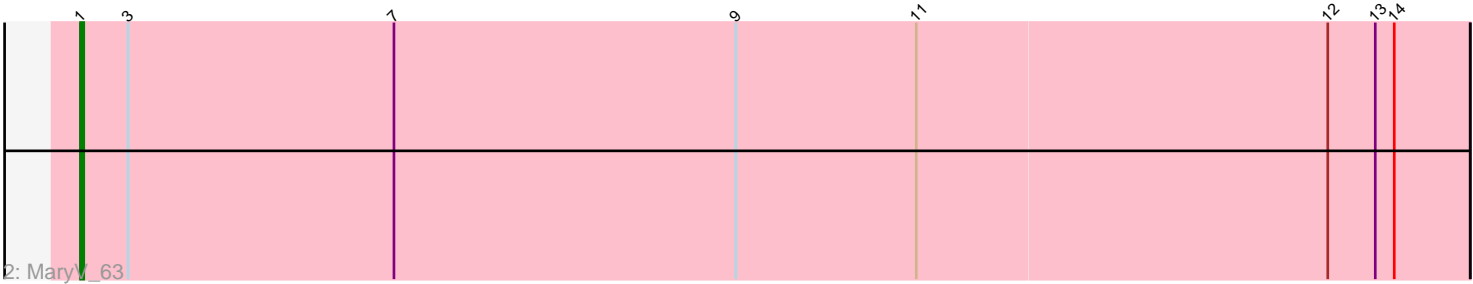
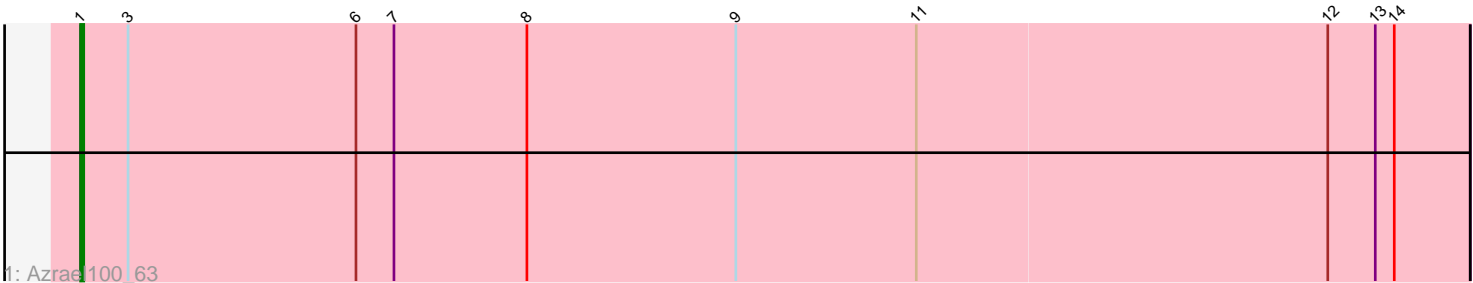


Pham 88483



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 88483 Report

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

Pham number 88483 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Azrael100_63
- Track 2 : MaryV_63
- Track 3 : EniyanLRS_58
- Track 4 : Cosmo_64
- Track 5 : Kumao_45

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

The start number called the most often in the published annotations is 1, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Azrael100_63, EniyanLRS_58, MaryV_63,

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

- Cosmo_64,

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

- Kumao_45,

Summary by start number:

Start 1:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Azrael100_63 (V), EniyanLRS_58 (V), MaryV_63 (V),

Start 2:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_45 (singleton),

Start 6:

- Found in 3 of 5 (60.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Cosmo_64 (V),

Summary by clusters:

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

Info for manual annotations of cluster V:

- Start number 1 was manually annotated 3 times for cluster V.
- Start number 6 was manually annotated 1 time for cluster V.

Gene Information:

Gene: Azrael100_63 Start: 43055, Stop: 43492, Start Num: 1

Candidate Starts for Azrael100_63:

(Start: 1 @43055 has 3 MA's), (3, 43070), (Start: 6 @43142 has 1 MA's), (7, 43154), (8, 43196), (9, 43262), (11, 43319), (12, 43448), (13, 43463), (14, 43469),

Gene: Cosmo_64 Start: 43143, Stop: 43493, Start Num: 6

Candidate Starts for Cosmo_64:

(Start: 1 @43056 has 3 MA's), (3, 43071), (Start: 6 @43143 has 1 MA's), (7, 43155), (8, 43197), (9, 43263), (11, 43320), (12, 43449), (13, 43464), (14, 43470),

Gene: EniyanLRS_58 Start: 42590, Stop: 43027, Start Num: 1

Candidate Starts for EniyanLRS_58:

(Start: 1 @42590 has 3 MA's), (3, 42605), (Start: 6 @42677 has 1 MA's), (7, 42689), (9, 42797), (11, 42854), (12, 42983), (13, 42998), (14, 43004),

Gene: Kumao_45 Start: 37151, Stop: 37564, Start Num: 2

Candidate Starts for Kumao_45:

(Start: 2 @37151 has 1 MA's), (4, 37202), (5, 37208), (10, 37355),

Gene: MaryV_63 Start: 42877, Stop: 43314, Start Num: 1

Candidate Starts for MaryV_63:

(Start: 1 @42877 has 3 MA's), (3, 42892), (7, 42976), (9, 43084), (11, 43141), (12, 43270), (13, 43285), (14, 43291),