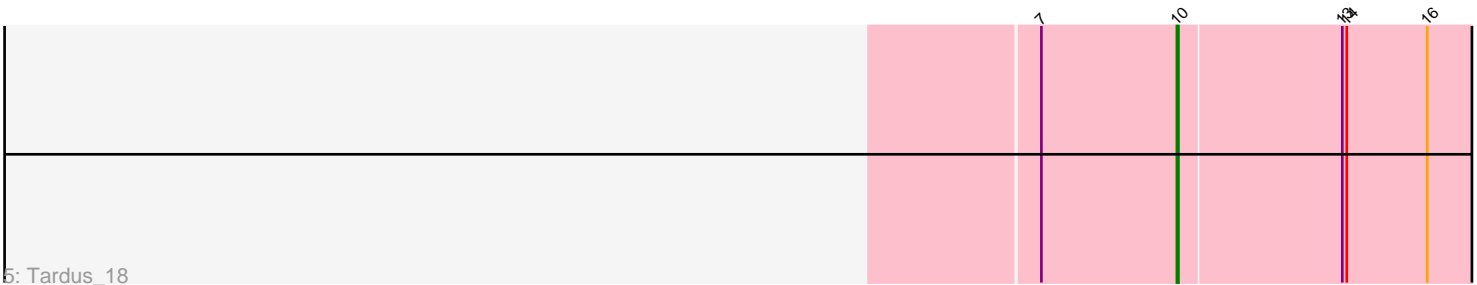
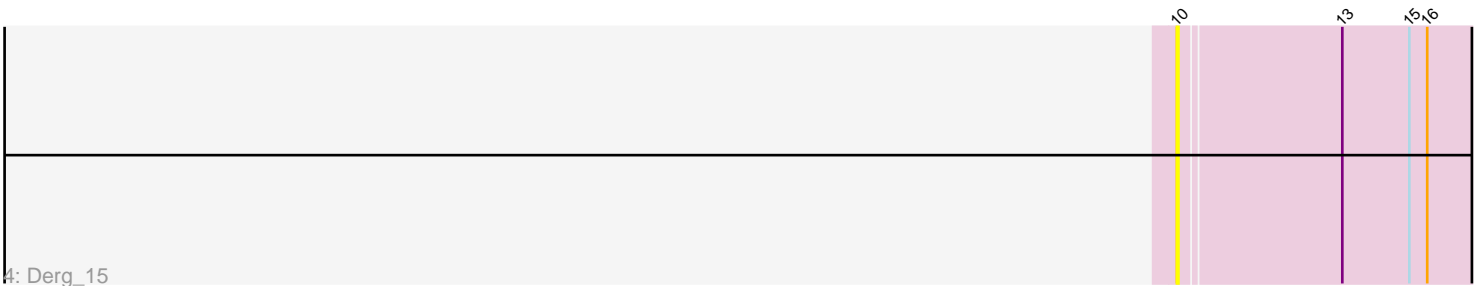
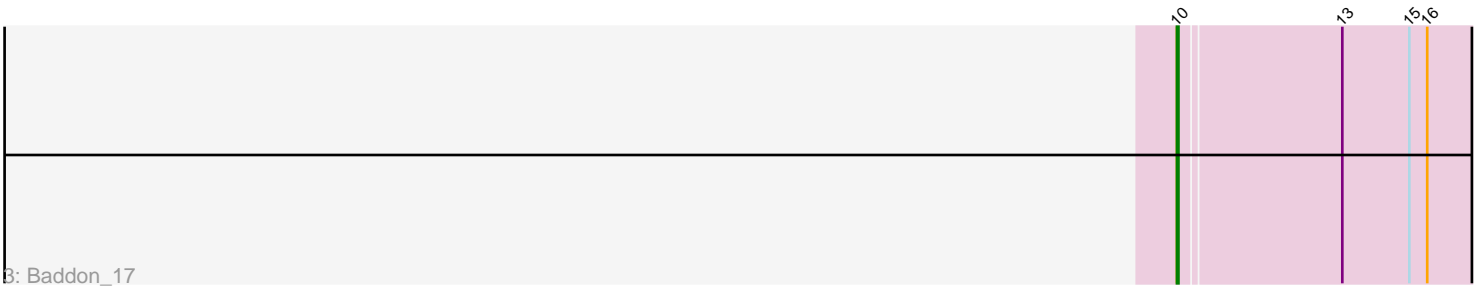
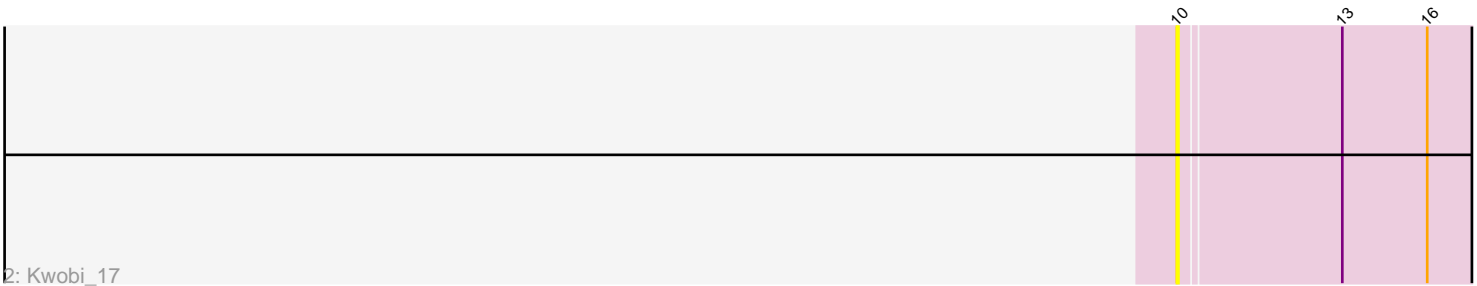
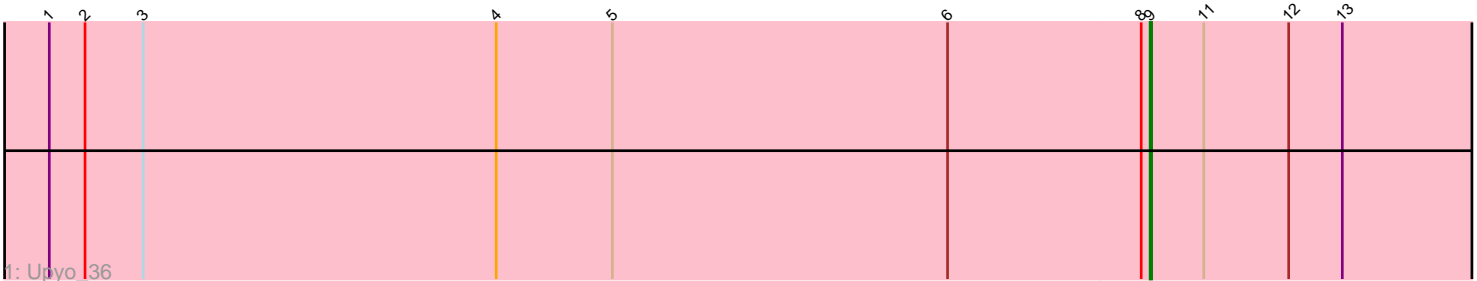


Pham 89079



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 89079 Report

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

Pham number 89079 has 5 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Upyo_36
- Track 2 : Kwobi_17
- Track 3 : Baddon_17
- Track 4 : Derg_15
- Track 5 : Tardus_18

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 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Baddon_17, Derg_15, Kwobi_17, Tardus_18,

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

-

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

- Upyo_36,

Summary by start number:

Start 9:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Upyo_36 (CD),

Start 10:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Baddon_17 (DE1), Derg_15 (DE1), Kwobi_17 (DE1), Tardus_18 (DE4),

Summary by clusters:

There are 3 clusters represented in this pham: DE1, DE4, CD,

Info for manual annotations of cluster CD:

- Start number 9 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster DE1:

- Start number 10 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DE4:

- Start number 10 was manually annotated 1 time for cluster DE4.

Gene Information:

Gene: Baddon_17 Start: 11589, Stop: 11810, Start Num: 10

Candidate Starts for Baddon_17:

(Start: 10 @11589 has 2 MA's), (13, 11694), (15, 11739), (16, 11751),

Gene: Derg_15 Start: 10214, Stop: 10435, Start Num: 10

Candidate Starts for Derg_15:

(Start: 10 @10214 has 2 MA's), (13, 10319), (15, 10364), (16, 10376),

Gene: Kwobi_17 Start: 11005, Stop: 11226, Start Num: 10

Candidate Starts for Kwobi_17:

(Start: 10 @11005 has 2 MA's), (13, 11110), (16, 11167),

Gene: Tardus_18 Start: 10576, Stop: 10800, Start Num: 10

Candidate Starts for Tardus_18:

(7, 10486), (Start: 10 @10576 has 2 MA's), (13, 10684), (14, 10687), (16, 10741),

Gene: Upyo_36 Start: 28435, Stop: 28190, Start Num: 9

Candidate Starts for Upyo_36:

(1, 29173), (2, 29149), (3, 29110), (4, 28873), (5, 28795), (6, 28570), (8, 28441), (Start: 9 @28435 has 1 MA's), (11, 28399), (12, 28342), (13, 28306),