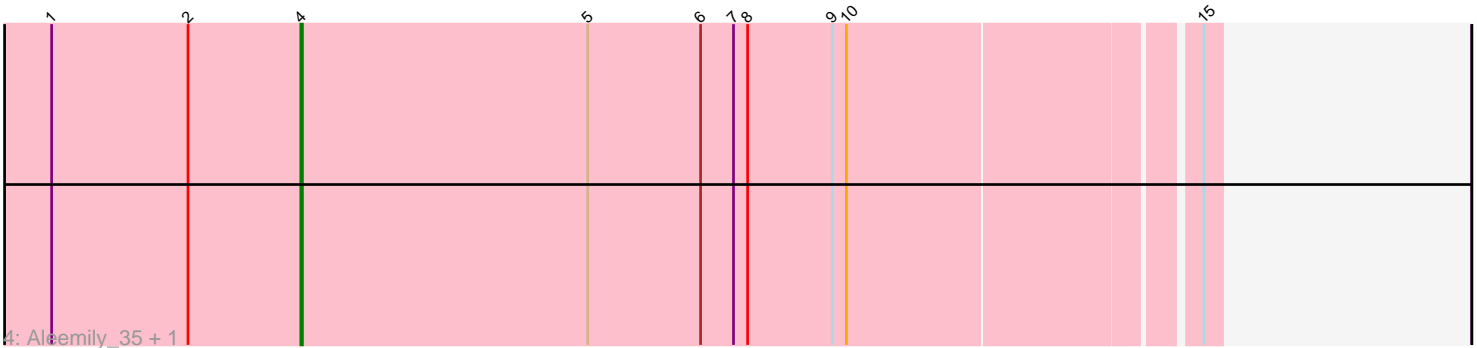
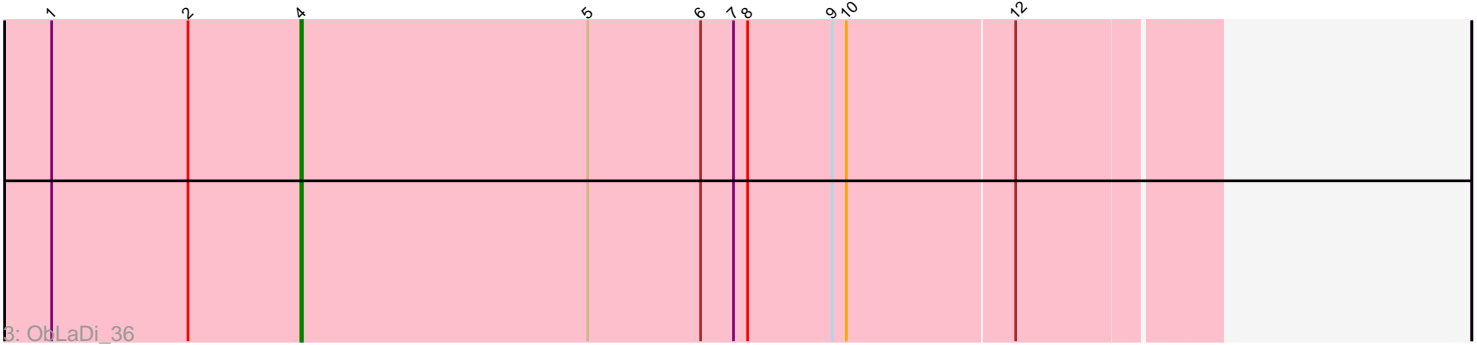
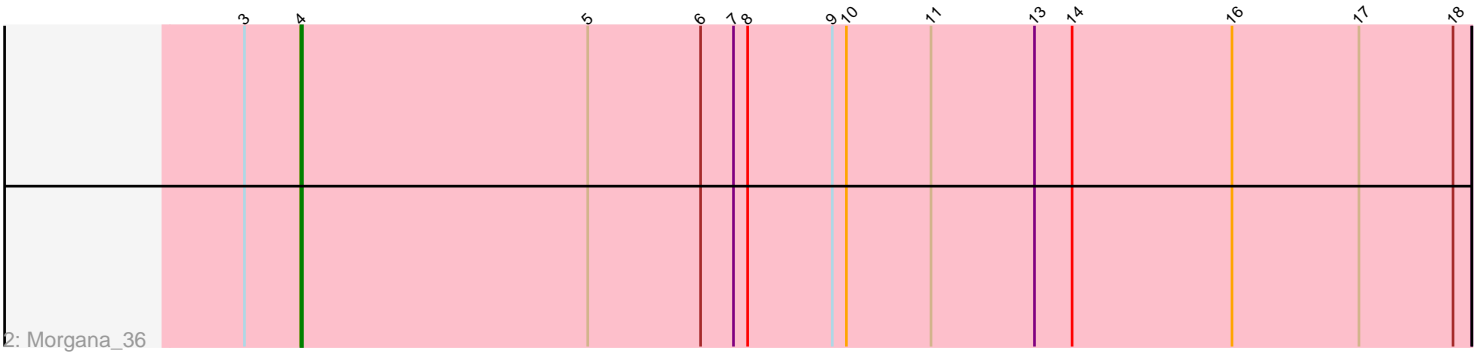
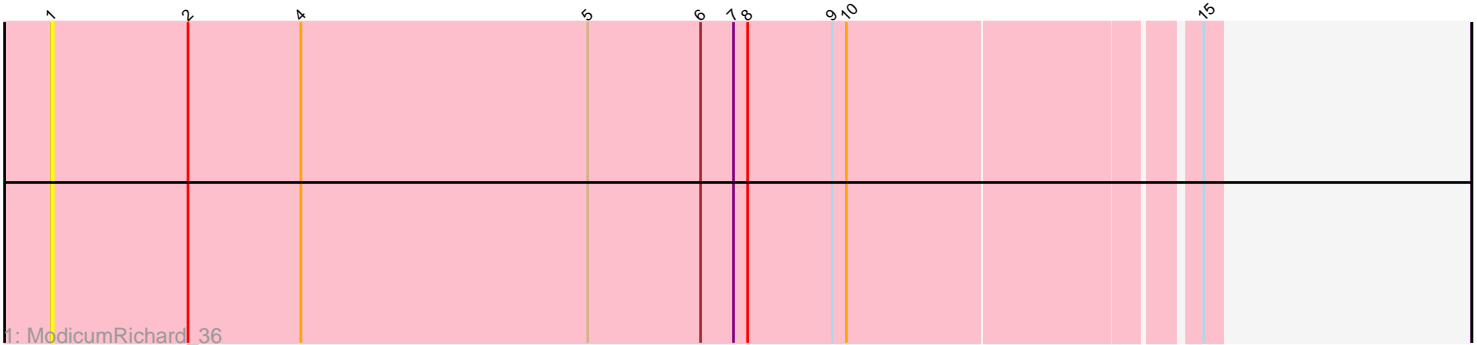


Pham 11370



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 11370 Report

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

Pham number 11370 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : ModicumRichard_36
- Track 2 : Morgana_36
- Track 3 : ObLaDi_36
- Track 4 : Aleemily_35, Cafasso_36

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aleemily_35, Cafasso_36, Morgana_36, ObLaDi_36,

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

- ModicumRichard_36,

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

-

Summary by start number:

Start 1:

- Found in 4 of 5 (80.0%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: ModicumRichard_36 (DZ),

Start 4:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Aleemily_35 (DZ), Cafasso_36 (DZ), Morgana_36 (DZ), ObLaDi_36 (DZ),

Summary by clusters:

There is one cluster represented in this pham: DZ

Info for manual annotations of cluster DZ:

- Start number 4 was manually annotated 4 times for cluster DZ.

Gene Information:

Gene: Aleemily_35 Start: 30416, Stop: 29847, Start Num: 4

Candidate Starts for Aleemily_35:

(1, 30575), (2, 30488), (Start: 4 @30416 has 4 MA's), (5, 30233), (6, 30161), (7, 30140), (8, 30131), (9, 30077), (10, 30068), (15, 29858),

Gene: Cafasso_36 Start: 30990, Stop: 30421, Start Num: 4

Candidate Starts for Cafasso_36:

(1, 31149), (2, 31062), (Start: 4 @30990 has 4 MA's), (5, 30807), (6, 30735), (7, 30714), (8, 30705), (9, 30651), (10, 30642), (15, 30432),

Gene: ModicumRichard_36 Start: 31148, Stop: 30420, Start Num: 1

Candidate Starts for ModicumRichard_36:

(1, 31148), (2, 31061), (Start: 4 @30989 has 4 MA's), (5, 30806), (6, 30734), (7, 30713), (8, 30704), (9, 30650), (10, 30641), (15, 30431),

Gene: Morgana_36 Start: 30921, Stop: 30175, Start Num: 4

Candidate Starts for Morgana_36:

(3, 30957), (Start: 4 @30921 has 4 MA's), (5, 30738), (6, 30666), (7, 30645), (8, 30636), (9, 30582), (10, 30573), (11, 30519), (13, 30453), (14, 30429), (16, 30327), (17, 30246), (18, 30186),

Gene: ObLaDi_36 Start: 30973, Stop: 30398, Start Num: 4

Candidate Starts for ObLaDi_36:

(1, 31132), (2, 31045), (Start: 4 @30973 has 4 MA's), (5, 30790), (6, 30718), (7, 30697), (8, 30688), (9, 30634), (10, 30625), (12, 30520),