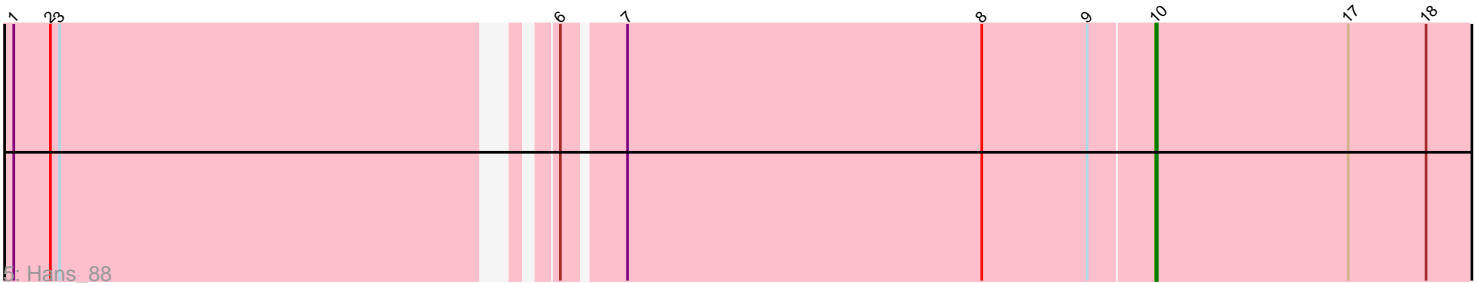
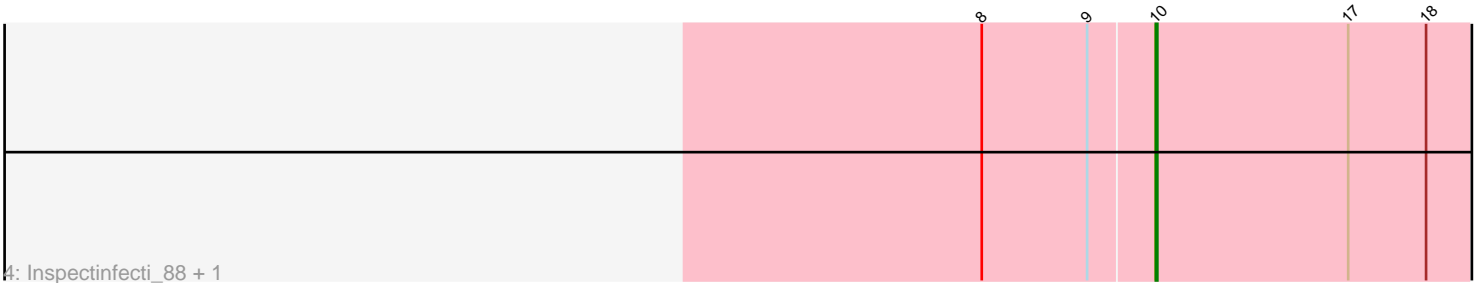
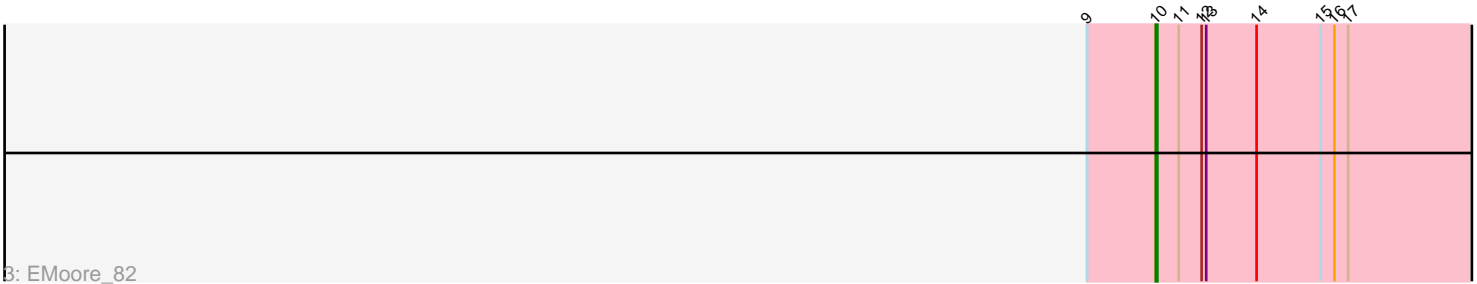
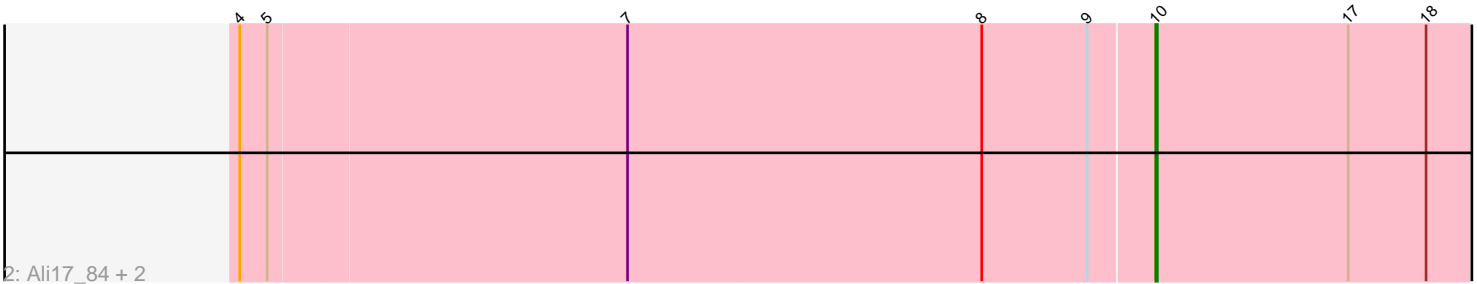
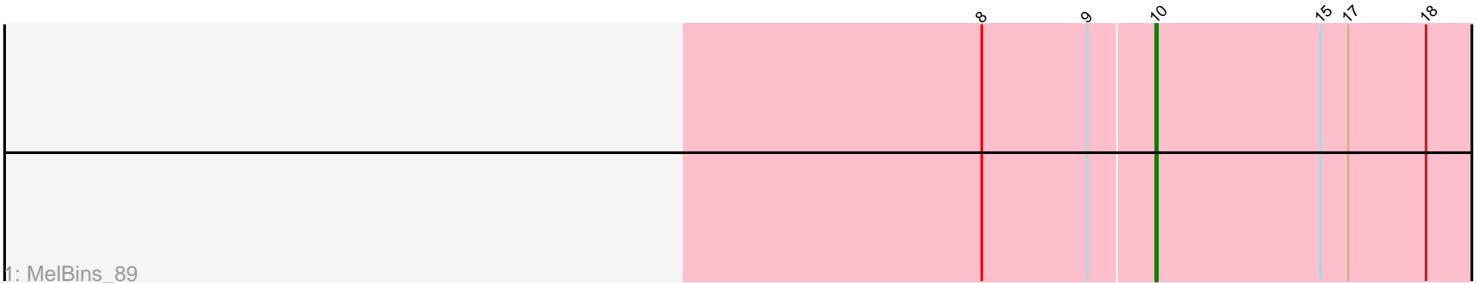


Pham 6471



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 6471 Report

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

Pham number 6471 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MelBins_89
- Track 2 : Ali17_84, Phinally_87, Leonard_87
- Track 3 : EMoore_82
- Track 4 : Inspectinfecti_88, Phauci_79
- Track 5 : Hans_88

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ali17_84, EMoore_82, Hans_88, Inspectinfecti_88, Leonard_87, MelBins_89, Phauci_79, Phinally_87,

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

-

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

-

Summary by start number:

Start 10:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ali17_84 (DE2), EMoore_82 (DE2), Hans_88 (DE2), Inspectinfecti_88 (DE2), Leonard_87 (DE2), MelBins_89 (DE2), Phauci_79 (DE2), Phinally_87 (DE2),

Summary by clusters:

There is one cluster represented in this pham: DE2

Info for manual annotations of cluster DE2:

•Start number 10 was manually annotated 7 times for cluster DE2.

Gene Information:

Gene: Ali17_84 Start: 57862, Stop: 58080, Start Num: 10

Candidate Starts for Ali17_84:

(4, 57271), (5, 57289), (7, 57520), (8, 57751), (9, 57820), (Start: 10 @57862 has 7 MA's), (17, 57988), (18, 58039),

Gene: EMoore_82 Start: 58418, Stop: 58636, Start Num: 10

Candidate Starts for EMoore_82:

(9, 58373), (Start: 10 @58418 has 7 MA's), (11, 58433), (12, 58448), (13, 58451), (14, 58484), (15, 58526), (16, 58535), (17, 58544),

Gene: Hans_88 Start: 58819, Stop: 59037, Start Num: 10

Candidate Starts for Hans_88:

(1, 58117), (2, 58141), (3, 58147), (6, 58441), (7, 58477), (8, 58708), (9, 58777), (Start: 10 @58819 has 7 MA's), (17, 58945), (18, 58996),

Gene: Inspectinfecti_88 Start: 58767, Stop: 58985, Start Num: 10

Candidate Starts for Inspectinfecti_88:

(8, 58656), (9, 58725), (Start: 10 @58767 has 7 MA's), (17, 58893), (18, 58944),

Gene: Leonard_87 Start: 58829, Stop: 59047, Start Num: 10

Candidate Starts for Leonard_87:

(4, 58238), (5, 58256), (7, 58487), (8, 58718), (9, 58787), (Start: 10 @58829 has 7 MA's), (17, 58955), (18, 59006),

Gene: MelBins_89 Start: 59318, Stop: 59539, Start Num: 10

Candidate Starts for MelBins_89:

(8, 59207), (9, 59276), (Start: 10 @59318 has 7 MA's), (15, 59426), (17, 59444), (18, 59495),

Gene: Phauci_79 Start: 55894, Stop: 56112, Start Num: 10

Candidate Starts for Phauci_79:

(8, 55783), (9, 55852), (Start: 10 @55894 has 7 MA's), (17, 56020), (18, 56071),

Gene: Phinally_87 Start: 58826, Stop: 59044, Start Num: 10

Candidate Starts for Phinally_87:

(4, 58235), (5, 58253), (7, 58484), (8, 58715), (9, 58784), (Start: 10 @58826 has 7 MA's), (17, 58952), (18, 59003),