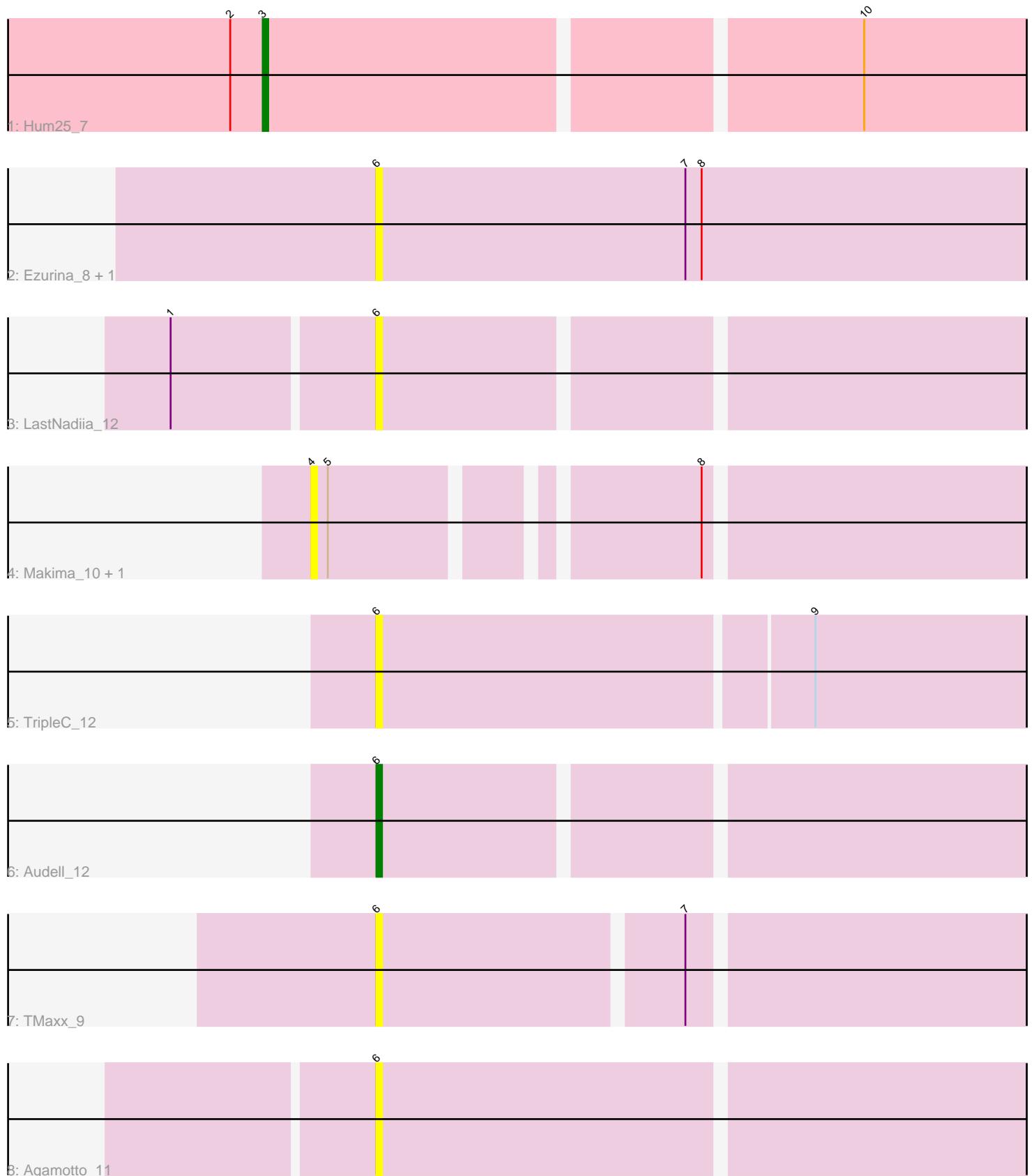


Pham 281110



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 281110 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281110 has 10 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Hum25\_7
- Track 2 : Ezurina\_8, Studio\_9
- Track 3 : LastNadiia\_12
- Track 4 : Makima\_10, Mireles\_9
- Track 5 : TripleC\_12
- Track 6 : Audell\_12
- Track 7 : TMaxx\_9
- Track 8 : Agamotto\_11

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

The start number called the most often in the published annotations is 3, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hum25\_7,

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

- 

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

- Agamotto\_11, Audell\_12, Ezurina\_8, LastNadiia\_12, Makima\_10, Mireles\_9, Studio\_9, TMaxx\_9, TripleC\_12,

### **Summary by start number:**

Start 3:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hum25\_7 (FQ),

Start 4:

- Found in 2 of 10 ( 20.0% ) of genes in pham

- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Makima\_10 (FR), Mireles\_9 (FR),

Start 6:

- Found in 7 of 10 ( 70.0% ) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agamotto\_11 (FR), Audell\_12 (FR), Ezurina\_8 (FR), LastNadiia\_12 (FR), Studio\_9 (FR), TMaxx\_9 (FR), TripleC\_12 (FR),

### **Summary by clusters:**

There are 2 clusters represented in this pham: FQ, FR,

Info for manual annotations of cluster FQ:

- Start number 3 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster FR:

- Start number 6 was manually annotated 1 time for cluster FR.

### **Gene Information:**

Gene: Agamotto\_11 Start: 9608, Stop: 9748, Start Num: 6

Candidate Starts for Agamotto\_11:

(Start: 6 @9608 has 1 MA's),

Gene: Audell\_12 Start: 9884, Stop: 10021, Start Num: 6

Candidate Starts for Audell\_12:

(Start: 6 @9884 has 1 MA's),

Gene: Ezurina\_8 Start: 6088, Stop: 6231, Start Num: 6

Candidate Starts for Ezurina\_8:

(Start: 6 @6088 has 1 MA's), (7, 6145), (8, 6148),

Gene: Hum25\_7 Start: 5931, Stop: 6089, Start Num: 3

Candidate Starts for Hum25\_7:

(2, 5925), (Start: 3 @5931 has 1 MA's), (10, 6036),

Gene: LastNadiia\_12 Start: 8833, Stop: 8970, Start Num: 6

Candidate Starts for LastNadiia\_12:

(1, 8797), (Start: 6 @8833 has 1 MA's),

Gene: Makima\_10 Start: 7916, Stop: 8059, Start Num: 4

Candidate Starts for Makima\_10:

(4, 7916), (5, 7919), (8, 7979),

Gene: Mireles\_9 Start: 6316, Stop: 6459, Start Num: 4

Candidate Starts for Mireles\_9:

(4, 6316), (5, 6319), (8, 6379),

Gene: Studio\_9 Start: 6279, Stop: 6422, Start Num: 6

Candidate Starts for Studio\_9:

(Start: 6 @6279 has 1 MA's), (7, 6336), (8, 6339),

Gene: TMaxx\_9 Start: 6419, Stop: 6556, Start Num: 6

Candidate Starts for TMaxx\_9:

(Start: 6 @6419 has 1 MA's), (7, 6473),

Gene: TripleC\_12 Start: 9899, Stop: 10039, Start Num: 6

Candidate Starts for TripleC\_12:

(Start: 6 @9899 has 1 MA's), (9, 9977),