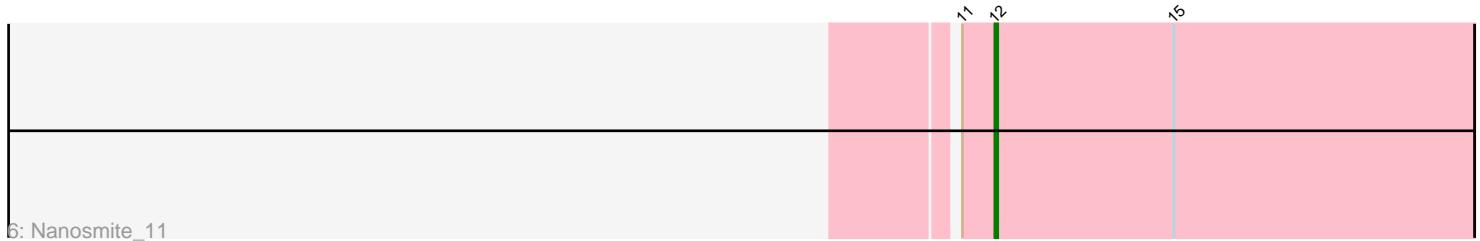
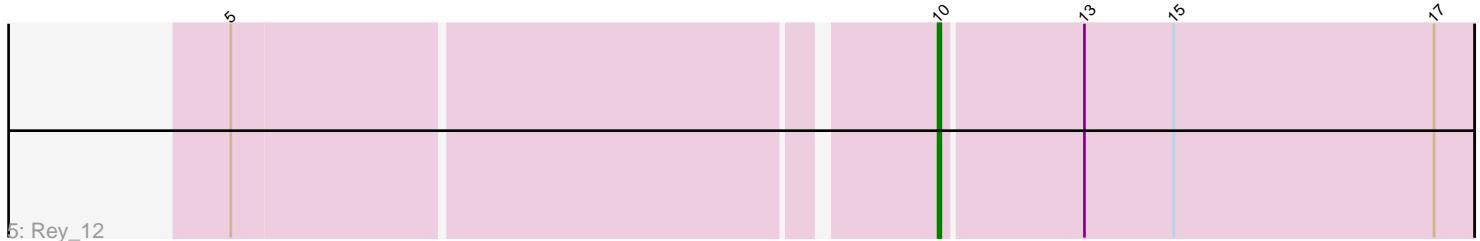
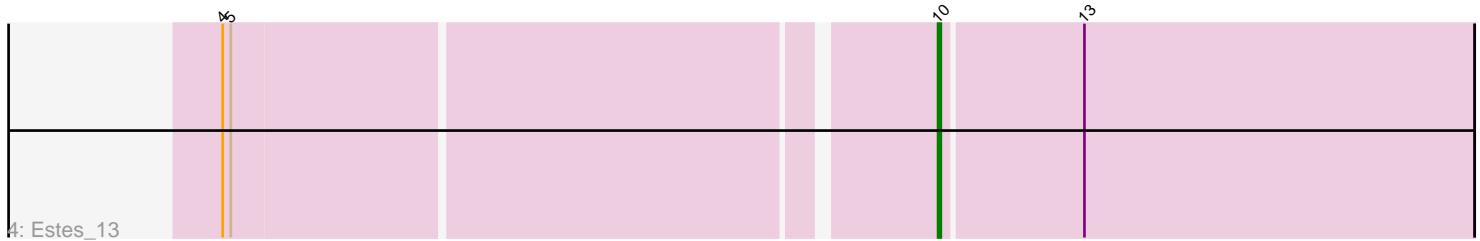
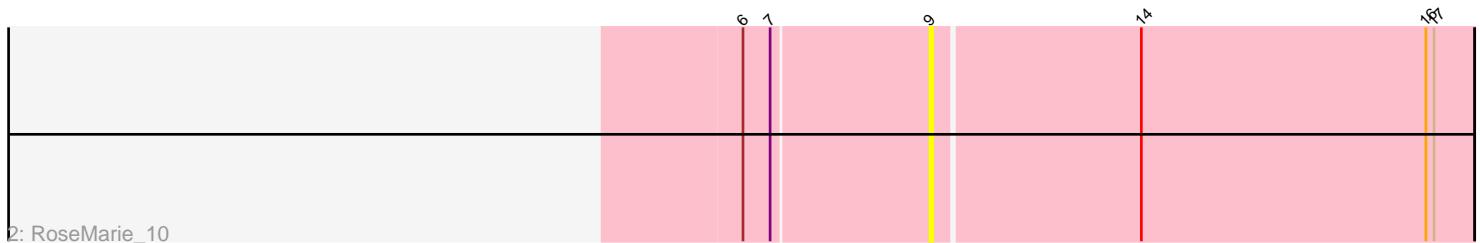
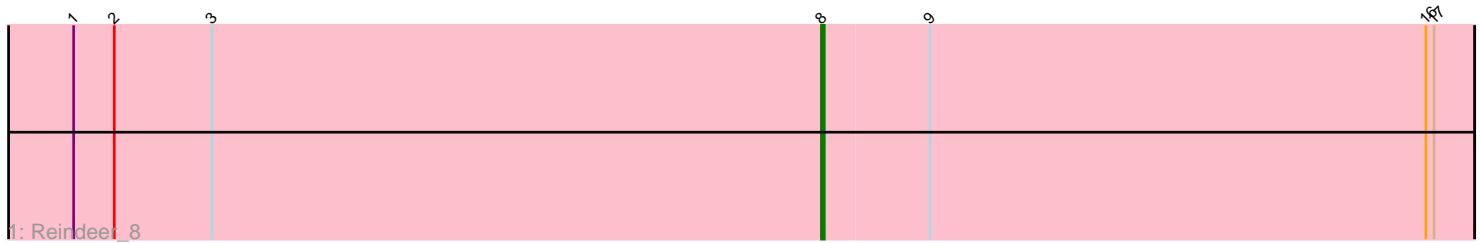


Pham 272526



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 272526 Report

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

Pham number 272526 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Reindeer\_8
- Track 2 : RoseMarie\_10
- Track 3 : GardenSalsa\_13, MrMagoo\_13
- Track 4 : Estes\_13
- Track 5 : Rey\_12
- Track 6 : Nanosmite\_11

### ***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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Estes\_13, GardenSalsa\_13, MrMagoo\_13, Rey\_12,

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

- 

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

- Nanosmite\_11, Reindeer\_8, RoseMarie\_10,

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

Start 8:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reindeer\_8 (M1),

Start 9:

- Found in 2 of 7 ( 28.6% ) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: RoseMarie\_10 (M1),

Start 10:

- Found in 4 of 7 ( 57.1% ) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Estes\_13 (M2), GardenSalsa\_13 (M2), MrMagoo\_13 (M2), Rey\_12 (M2),

Start 12:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nanosmite\_11 (M3),

### **Summary by clusters:**

There are 3 clusters represented in this pham: M1, M3, M2,

Info for manual annotations of cluster M1:

- Start number 8 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:

- Start number 10 was manually annotated 4 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 12 was manually annotated 1 time for cluster M3.

### **Gene Information:**

Gene: Estes\_13 Start: 4002, Stop: 3808, Start Num: 10

Candidate Starts for Estes\_13:

(4, 4251), (5, 4248), (Start: 10 @4002 has 4 MA's), (13, 3951),

Gene: GardenSalsa\_13 Start: 4021, Stop: 3827, Start Num: 10

Candidate Starts for GardenSalsa\_13:

(Start: 10 @4021 has 4 MA's), (15, 3937),

Gene: MrMagoo\_13 Start: 4021, Stop: 3827, Start Num: 10

Candidate Starts for MrMagoo\_13:

(Start: 10 @4021 has 4 MA's), (15, 3937),

Gene: Nanosmite\_11 Start: 3812, Stop: 3636, Start Num: 12

Candidate Starts for Nanosmite\_11:

(11, 3824), (Start: 12 @3812 has 1 MA's), (15, 3746),

Gene: Reindeer\_8 Start: 3296, Stop: 3057, Start Num: 8

Candidate Starts for Reindeer\_8:

(1, 3572), (2, 3557), (3, 3521), (Start: 8 @3296 has 1 MA's), (9, 3257), (16, 3074), (17, 3071),

Gene: Rey\_12 Start: 4066, Stop: 3872, Start Num: 10

Candidate Starts for Rey\_12:

(5, 4312), (Start: 10 @4066 has 4 MA's), (13, 4015), (15, 3982), (17, 3886),

Gene: RoseMarie\_10 Start: 3608, Stop: 3411, Start Num: 9

Candidate Starts for RoseMarie\_10:

(6, 3674), (7, 3665), (9, 3608), (14, 3533), (16, 3428), (17, 3425),