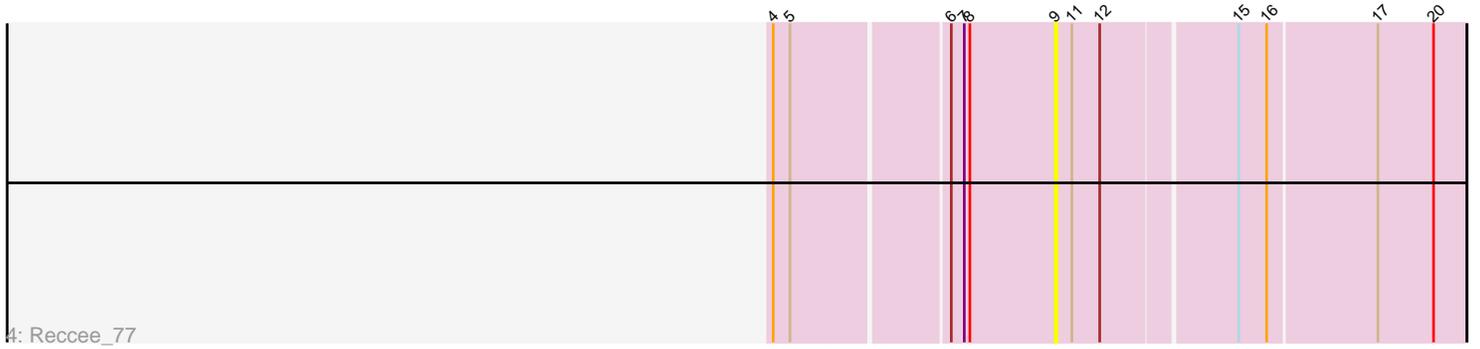


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 284647 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284647 has 4 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Schadenfreude\_89
- Track 2 : Vaishali24\_90
- Track 3 : Cornobble\_87
- Track 4 : Reccee\_77

### ***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:

- Cornobble\_87, Schadenfreude\_89,

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

- Vaishali24\_90,

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

- Reccee\_77,

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

Start 9:

- Found in 4 of 4 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Reccee\_77 (B5), Vaishali24\_90 (B1),

Start 10:

- Found in 3 of 4 ( 75.0% ) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Cornobble\_87 (B1), Schadenfreude\_89 (B1),

## Summary by clusters:

There are 2 clusters represented in this pham: B5, B1,

Info for manual annotations of cluster B1:

- Start number 9 was manually annotated 1 time for cluster B1.
- Start number 10 was manually annotated 2 times for cluster B1.

### **Gene Information:**

Gene: Cornobble\_87 Start: 63825, Stop: 63622, Start Num: 10

Candidate Starts for Cornobble\_87:

(2, 64209), (3, 64083), (Start: 9 @63828 has 1 MA's), (Start: 10 @63825 has 2 MA's), (13, 63798), (14, 63795), (16, 63714), (18, 63633), (19, 63630),

Gene: Reccee\_77 Start: 62025, Stop: 61813, Start Num: 9

Candidate Starts for Reccee\_77:

(4, 62166), (5, 62157), (6, 62079), (7, 62073), (8, 62070), (Start: 9 @62025 has 1 MA's), (11, 62016), (12, 62001), (15, 61932), (16, 61917), (17, 61860), (20, 61830),

Gene: Schadenfreude\_89 Start: 63690, Stop: 63487, Start Num: 10

Candidate Starts for Schadenfreude\_89:

(2, 64074), (3, 63948), (Start: 9 @63693 has 1 MA's), (Start: 10 @63690 has 2 MA's), (13, 63663), (14, 63660), (16, 63579), (18, 63498), (19, 63495),

Gene: Vaishali24\_90 Start: 64272, Stop: 64066, Start Num: 9

Candidate Starts for Vaishali24\_90:

(1, 64647), (2, 64485), (Start: 9 @64272 has 1 MA's), (Start: 10 @64269 has 2 MA's), (13, 64242), (14, 64239), (16, 64158), (18, 64077), (19, 64074),