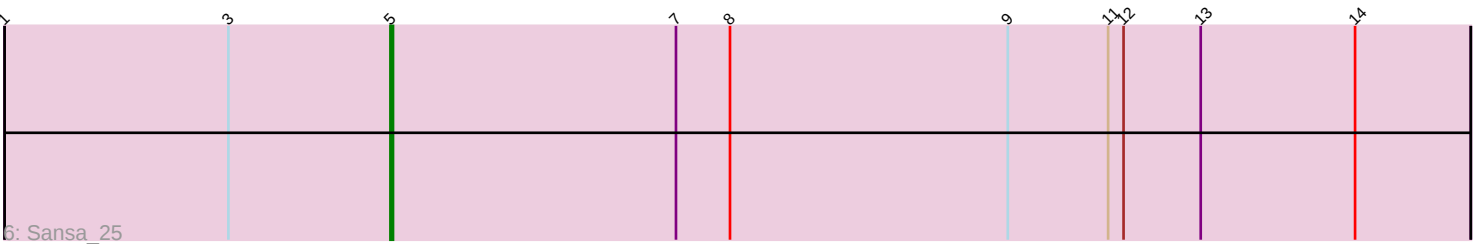
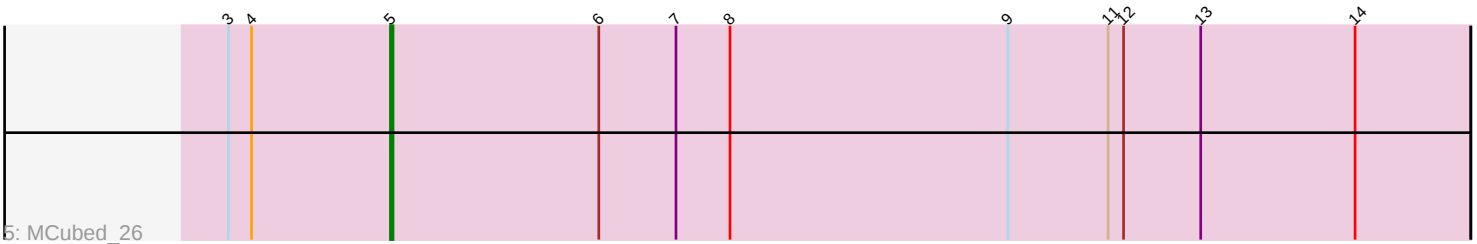
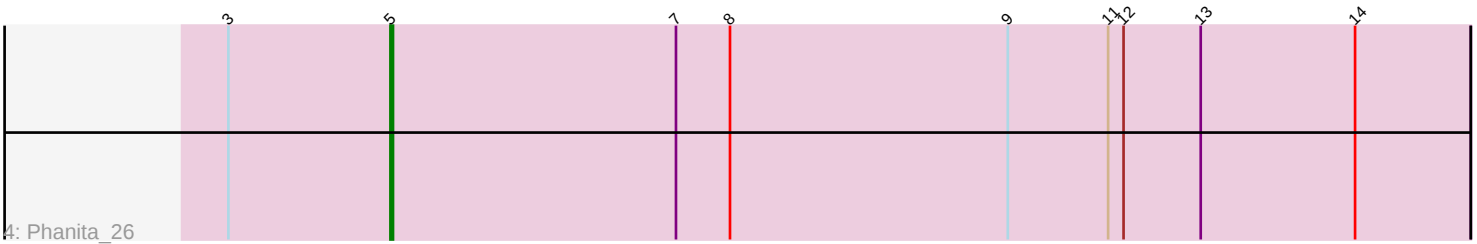
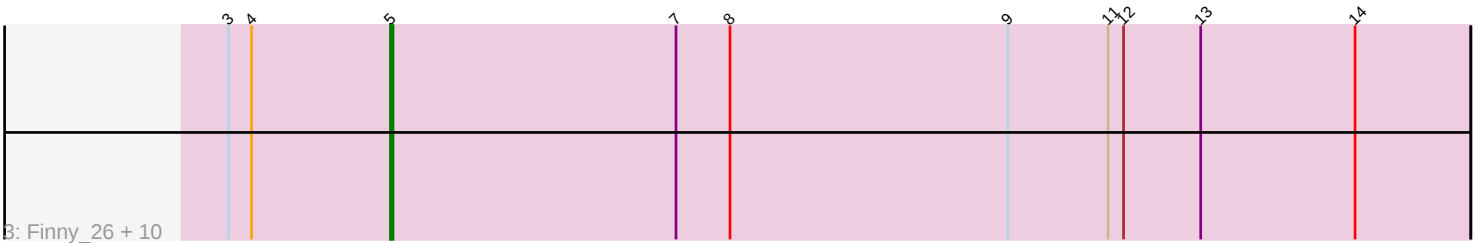
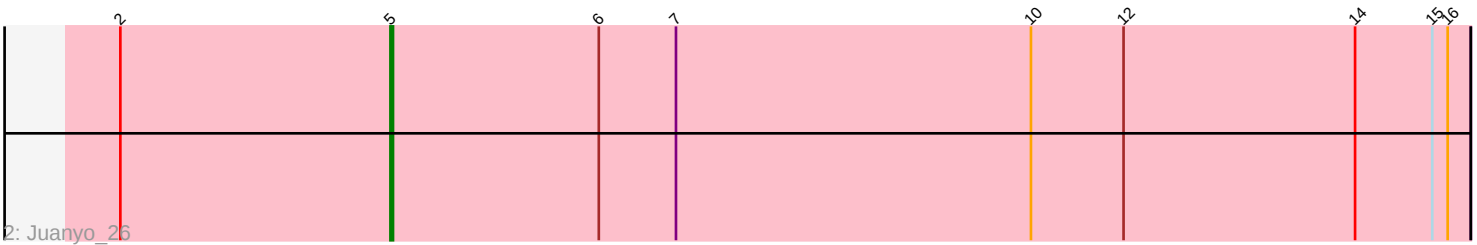
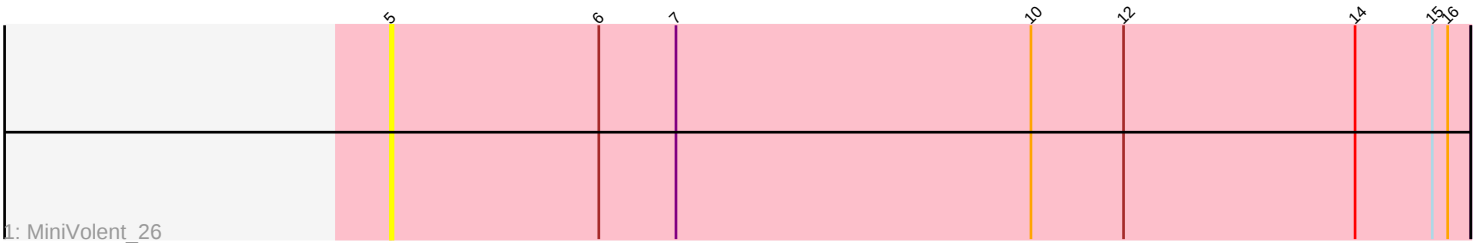


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 280978 Report

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

Pham number 280978 has 16 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MiniVolent\_26
- Track 2 : Juanyo\_26
- Track 3 : Finny\_26, Saratos\_26, Andromedas\_26, Eleri\_26, Xebius\_26, ColaCorta\_26, Glamour\_25, ChikPic\_26, Zenitsu\_26, PSirce\_26, Shamu\_26
- Track 4 : Phanita\_26
- Track 5 : MCubed\_26
- Track 6 : Sansa\_25

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

The start number called the most often in the published annotations is 5, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Andromedas\_26, ChikPic\_26, ColaCorta\_26, Eleri\_26, Finny\_26, Glamour\_25, Juanyo\_26, MCubed\_26, MiniVolent\_26, PSirce\_26, Phanita\_26, Sansa\_25, Saratos\_26, Shamu\_26, Xebius\_26, Zenitsu\_26,

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 5:

- Found in 16 of 16 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andromedas\_26 (EA2), ChikPic\_26 (EA2), ColaCorta\_26 (EA2), Eleri\_26 (EA2), Finny\_26 (EA2), Glamour\_25 (EA2), Juanyo\_26 (EA10), MCubed\_26 (EA2), MiniVolent\_26 (EA10), PSirce\_26 (EA2), Phanita\_26 (EA2), Sansa\_25 (EA2), Saratos\_26 (EA2), Shamu\_26 (EA2), Xebius\_26

(EA2), Zenitsu\_26 (EA2),

### **Summary by clusters:**

There are 2 clusters represented in this pham: EA2, EA10,

Info for manual annotations of cluster EA10:

- Start number 5 was manually annotated 1 time for cluster EA10.

Info for manual annotations of cluster EA2:

- Start number 5 was manually annotated 13 times for cluster EA2.

### **Gene Information:**

Gene: Andromedas\_26 Start: 19937, Stop: 20356, Start Num: 5

Candidate Starts for Andromedas\_26:

(3, 19874), (4, 19883), (Start: 5 @19937 has 14 MA's), (7, 20048), (8, 20069), (9, 20177), (11, 20216), (12, 20222), (13, 20252), (14, 20312),

Gene: ChikPic\_26 Start: 19953, Stop: 20372, Start Num: 5

Candidate Starts for ChikPic\_26:

(3, 19890), (4, 19899), (Start: 5 @19953 has 14 MA's), (7, 20064), (8, 20085), (9, 20193), (11, 20232), (12, 20238), (13, 20268), (14, 20328),

Gene: ColaCorta\_26 Start: 19937, Stop: 20356, Start Num: 5

Candidate Starts for ColaCorta\_26:

(3, 19874), (4, 19883), (Start: 5 @19937 has 14 MA's), (7, 20048), (8, 20069), (9, 20177), (11, 20216), (12, 20222), (13, 20252), (14, 20312),

Gene: Eleri\_26 Start: 19950, Stop: 20369, Start Num: 5

Candidate Starts for Eleri\_26:

(3, 19887), (4, 19896), (Start: 5 @19950 has 14 MA's), (7, 20061), (8, 20082), (9, 20190), (11, 20229), (12, 20235), (13, 20265), (14, 20325),

Gene: Finny\_26 Start: 19936, Stop: 20355, Start Num: 5

Candidate Starts for Finny\_26:

(3, 19873), (4, 19882), (Start: 5 @19936 has 14 MA's), (7, 20047), (8, 20068), (9, 20176), (11, 20215), (12, 20221), (13, 20251), (14, 20311),

Gene: Glamour\_25 Start: 19938, Stop: 20357, Start Num: 5

Candidate Starts for Glamour\_25:

(3, 19875), (4, 19884), (Start: 5 @19938 has 14 MA's), (7, 20049), (8, 20070), (9, 20178), (11, 20217), (12, 20223), (13, 20253), (14, 20313),

Gene: Juanyo\_26 Start: 20158, Stop: 20577, Start Num: 5

Candidate Starts for Juanyo\_26:

(2, 20053), (Start: 5 @20158 has 14 MA's), (6, 20239), (7, 20269), (10, 20407), (12, 20443), (14, 20533), (15, 20563), (16, 20569),

Gene: MCubed\_26 Start: 19964, Stop: 20383, Start Num: 5

Candidate Starts for MCubed\_26:

(3, 19901), (4, 19910), (Start: 5 @19964 has 14 MA's), (6, 20045), (7, 20075), (8, 20096), (9, 20204), (11, 20243), (12, 20249), (13, 20279), (14, 20339),

Gene: MiniVolent\_26 Start: 20147, Stop: 20566, Start Num: 5

Candidate Starts for MiniVolent\_26:

(Start: 5 @20147 has 14 MA's), (6, 20228), (7, 20258), (10, 20396), (12, 20432), (14, 20522), (15, 20552), (16, 20558),

Gene: PSirce\_26 Start: 19953, Stop: 20372, Start Num: 5

Candidate Starts for PSirce\_26:

(3, 19890), (4, 19899), (Start: 5 @19953 has 14 MA's), (7, 20064), (8, 20085), (9, 20193), (11, 20232), (12, 20238), (13, 20268), (14, 20328),

Gene: Phanita\_26 Start: 19937, Stop: 20356, Start Num: 5

Candidate Starts for Phanita\_26:

(3, 19874), (Start: 5 @19937 has 14 MA's), (7, 20048), (8, 20069), (9, 20177), (11, 20216), (12, 20222), (13, 20252), (14, 20312),

Gene: Sansa\_25 Start: 19960, Stop: 20379, Start Num: 5

Candidate Starts for Sansa\_25:

(1, 19810), (3, 19897), (Start: 5 @19960 has 14 MA's), (7, 20071), (8, 20092), (9, 20200), (11, 20239), (12, 20245), (13, 20275), (14, 20335),

Gene: Saratos\_26 Start: 19938, Stop: 20357, Start Num: 5

Candidate Starts for Saratos\_26:

(3, 19875), (4, 19884), (Start: 5 @19938 has 14 MA's), (7, 20049), (8, 20070), (9, 20178), (11, 20217), (12, 20223), (13, 20253), (14, 20313),

Gene: Shamu\_26 Start: 19950, Stop: 20369, Start Num: 5

Candidate Starts for Shamu\_26:

(3, 19887), (4, 19896), (Start: 5 @19950 has 14 MA's), (7, 20061), (8, 20082), (9, 20190), (11, 20229), (12, 20235), (13, 20265), (14, 20325),

Gene: Xebius\_26 Start: 19938, Stop: 20357, Start Num: 5

Candidate Starts for Xebius\_26:

(3, 19875), (4, 19884), (Start: 5 @19938 has 14 MA's), (7, 20049), (8, 20070), (9, 20178), (11, 20217), (12, 20223), (13, 20253), (14, 20313),

Gene: Zenitsu\_26 Start: 19965, Stop: 20384, Start Num: 5

Candidate Starts for Zenitsu\_26:

(3, 19902), (4, 19911), (Start: 5 @19965 has 14 MA's), (7, 20076), (8, 20097), (9, 20205), (11, 20244), (12, 20250), (13, 20280), (14, 20340),