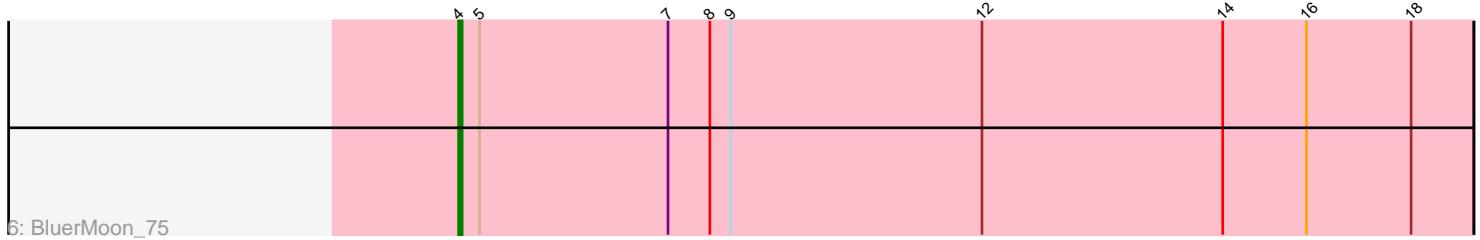
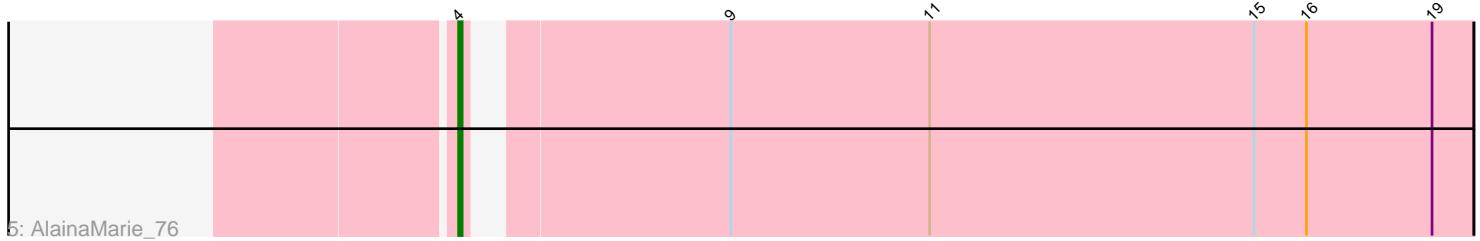
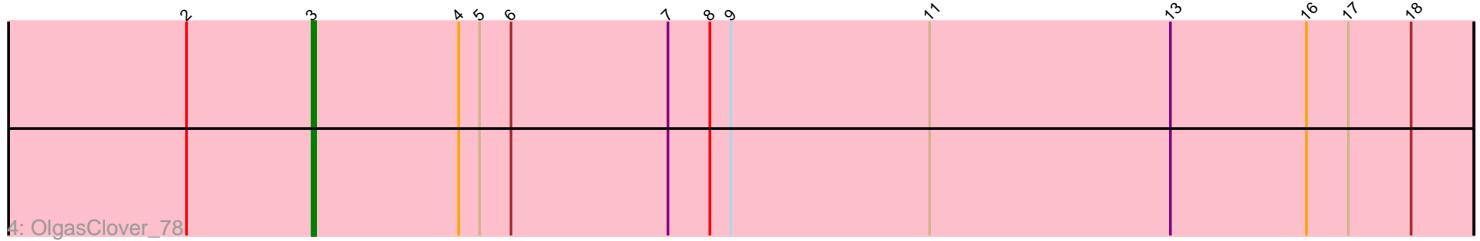
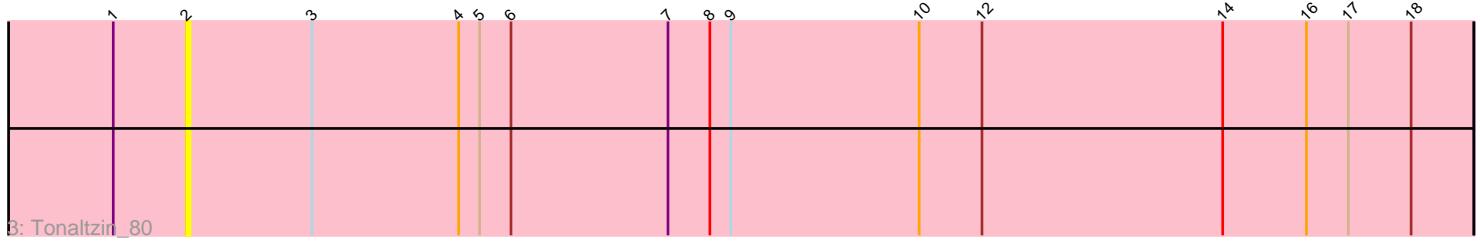
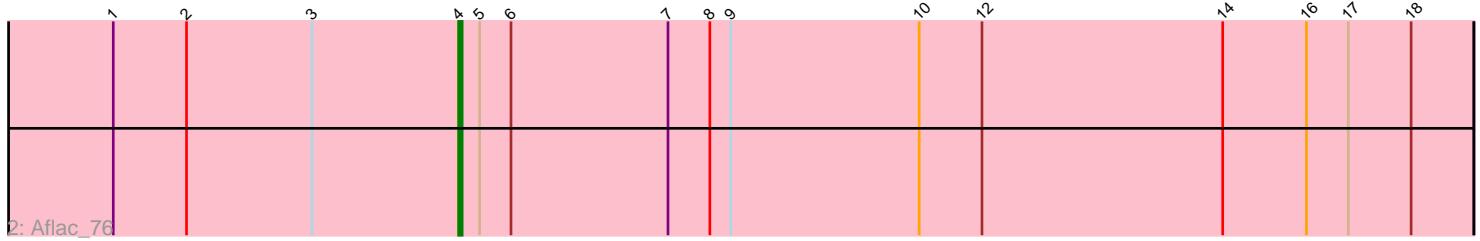
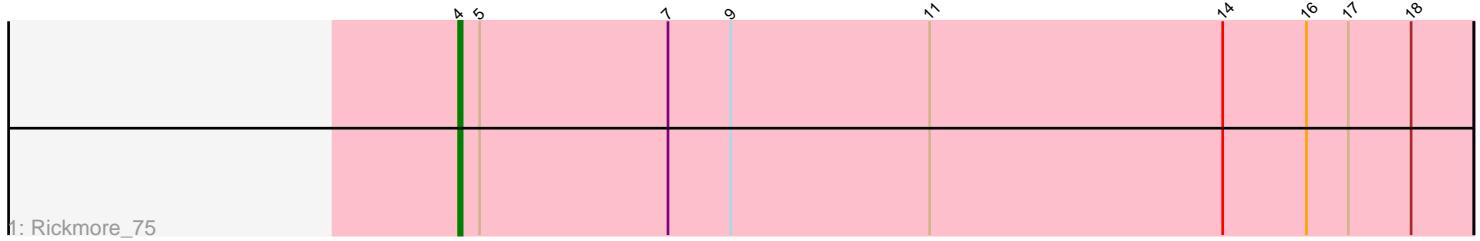


Pham 275072



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 275072 Report

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

Pham number 275072 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Rickmore_75
- Track 2 : Aflac_76
- Track 3 : Tonaltzin_80
- Track 4 : OlgasClover_78
- Track 5 : AlainaMarie_76
- Track 6 : BluerMoon_75

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_76, AlainaMarie_76, BluerMoon_75, Rickmore_75,

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

- OlgasClover_78, Tonaltzin_80,

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

-

Summary by start number:

Start 2:

- Found in 3 of 6 (50.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Tonaltzin_80 (DJ),

Start 3:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: OlgasClover_78 (DJ),

Start 4:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Aflac_76 (DJ), AlainaMarie_76 (DJ), BluerMoon_75 (DJ), Rickmore_75 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 3 was manually annotated 1 time for cluster DJ.
- Start number 4 was manually annotated 4 times for cluster DJ.

Gene Information:

Gene: Aflac_76 Start: 51417, Stop: 51707, Start Num: 4

Candidate Starts for Aflac_76:

(1, 51318), (2, 51339), (Start: 3 @51375 has 1 MA's), (Start: 4 @51417 has 4 MA's), (5, 51423), (6, 51432), (7, 51477), (8, 51489), (9, 51495), (10, 51549), (12, 51567), (14, 51636), (16, 51660), (17, 51672), (18, 51690),

Gene: AlainaMarie_76 Start: 51470, Stop: 51748, Start Num: 4

Candidate Starts for AlainaMarie_76:

(Start: 4 @51470 has 4 MA's), (9, 51536), (11, 51593), (15, 51686), (16, 51701), (19, 51737),

Gene: BluerMoon_75 Start: 51369, Stop: 51659, Start Num: 4

Candidate Starts for BluerMoon_75:

(Start: 4 @51369 has 4 MA's), (5, 51375), (7, 51429), (8, 51441), (9, 51447), (12, 51519), (14, 51588), (16, 51612), (18, 51642),

Gene: OlgasClover_78 Start: 52236, Stop: 52568, Start Num: 3

Candidate Starts for OlgasClover_78:

(2, 52200), (Start: 3 @52236 has 1 MA's), (Start: 4 @52278 has 4 MA's), (5, 52284), (6, 52293), (7, 52338), (8, 52350), (9, 52356), (11, 52413), (13, 52482), (16, 52521), (17, 52533), (18, 52551),

Gene: Rickmore_75 Start: 50033, Stop: 50323, Start Num: 4

Candidate Starts for Rickmore_75:

(Start: 4 @50033 has 4 MA's), (5, 50039), (7, 50093), (9, 50111), (11, 50168), (14, 50252), (16, 50276), (17, 50288), (18, 50306),

Gene: Tonaltzin_80 Start: 51107, Stop: 51475, Start Num: 2

Candidate Starts for Tonaltzin_80:

(1, 51086), (2, 51107), (Start: 3 @51143 has 1 MA's), (Start: 4 @51185 has 4 MA's), (5, 51191), (6, 51200), (7, 51245), (8, 51257), (9, 51263), (10, 51317), (12, 51335), (14, 51404), (16, 51428), (17, 51440), (18, 51458),