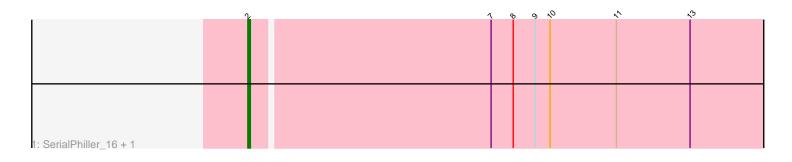
# Pham 211572





	⊳	6	9	<i>?</i> ~
B: Tillums_22				

>	 >	$\mathcal{V}$
4: Goodgraces_18 + 4		

N	<u> </u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
5: Anjali_17		

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 211572 Report

This analysis was run 02/22/25 on database version 588.

Pham number 211572 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : SerialPhiller\_16, Arielagos\_16
- Track 2 : Kels\_16
- Track 3 : Tillums\_22
- Track 4 : Goodgraces\_18, Mendel\_19, Dunamis\_21, Swim\_22, Seldom\_17
- Track 5 : Anjali\_17

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start: • Arielagos\_16, Kels\_16, SerialPhiller\_16,

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

Genes that do not have the "Most Annotated" start: • Anjali\_17, Dunamis\_21, Goodgraces\_18, Mendel\_19, Seldom\_17, Swim\_22, Tillums\_22,

### Summary by start number:

Start 2:

- Found in 3 of 10 ( 30.0% ) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Arielagos\_16 (AN), Kels\_16 (AN), SerialPhiller\_16 (AN),

Start 3:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Anjali\_17 (FD),

### Start 4:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Dunamis\_21 (FD), Goodgraces\_18 (FD), Mendel\_19 (FD), Seldom\_17 (FD), Swim\_22 (FD), Tillums\_22 (FD),

### Summary by clusters:

There are 2 clusters represented in this pham: FD, AN,

Info for manual annotations of cluster AN: •Start number 2 was manually annotated 3 times for cluster AN.

Info for manual annotations of cluster FD:Start number 3 was manually annotated 1 time for cluster FD.Start number 4 was manually annotated 3 times for cluster FD.

### Gene Information:

Gene: Anjali\_17 Start: 14710, Stop: 14916, Start Num: 3 Candidate Starts for Anjali\_17: (1, 14644), (Start: 3 @14710 has 1 MA's), (5, 14737), (6, 14746), (12, 14860),

Gene: Arielagos\_16 Start: 12214, Stop: 12426, Start Num: 2 Candidate Starts for Arielagos\_16: (Start: 2 @12214 has 3 MA's), (7, 12310), (8, 12319), (9, 12328), (10, 12334), (11, 12361), (13, 12391),

Gene: Dunamis\_21 Start: 14864, Stop: 15073, Start Num: 4 Candidate Starts for Dunamis\_21: (Start: 4 @14864 has 3 MA's), (9, 14972), (12, 15017),

Gene: Goodgraces\_18 Start: 14924, Stop: 15133, Start Num: 4 Candidate Starts for Goodgraces\_18: (Start: 4 @14924 has 3 MA's), (9, 15032), (12, 15077),

Gene: Kels\_16 Start: 12154, Stop: 12366, Start Num: 2 Candidate Starts for Kels\_16: (Start: 2 @12154 has 3 MA's), (8, 12259), (10, 12274),

Gene: Mendel\_19 Start: 14622, Stop: 14831, Start Num: 4 Candidate Starts for Mendel\_19: (Start: 4 @14622 has 3 MA's), (9, 14730), (12, 14775),

Gene: Seldom\_17 Start: 15248, Stop: 15457, Start Num: 4 Candidate Starts for Seldom\_17: (Start: 4 @15248 has 3 MA's), (9, 15356), (12, 15401),

Gene: SerialPhiller\_16 Start: 12214, Stop: 12426, Start Num: 2

Candidate Starts for SerialPhiller\_16: (Start: 2 @12214 has 3 MA's), (7, 12310), (8, 12319), (9, 12328), (10, 12334), (11, 12361), (13, 12391),

Gene: Swim\_22 Start: 15121, Stop: 15330, Start Num: 4 Candidate Starts for Swim\_22: (Start: 4 @15121 has 3 MA's), (9, 15229), (12, 15274),

Gene: Tillums\_22 Start: 15257, Stop: 15463, Start Num: 4 Candidate Starts for Tillums\_22: (Start: 4 @15257 has 3 MA's), (6, 15293), (9, 15362), (12, 15407),