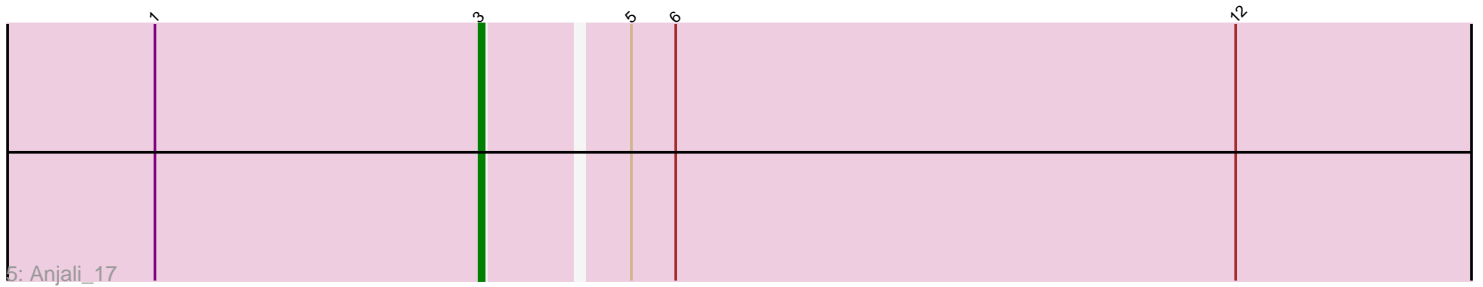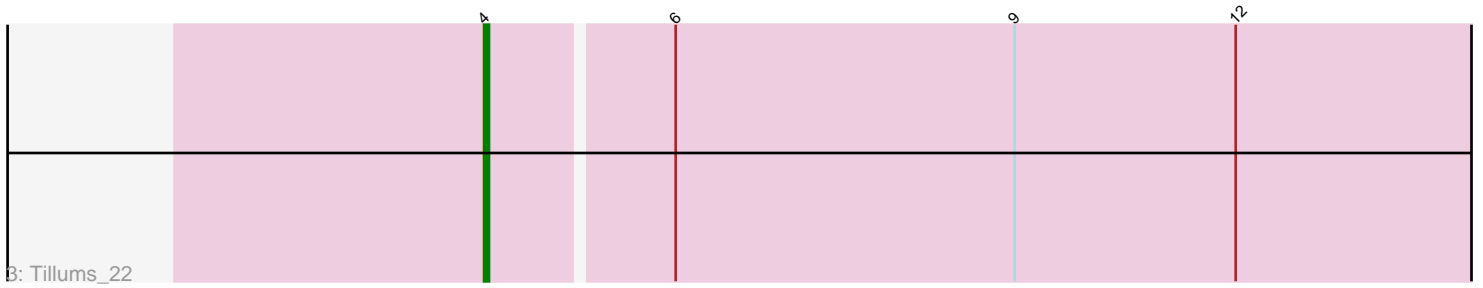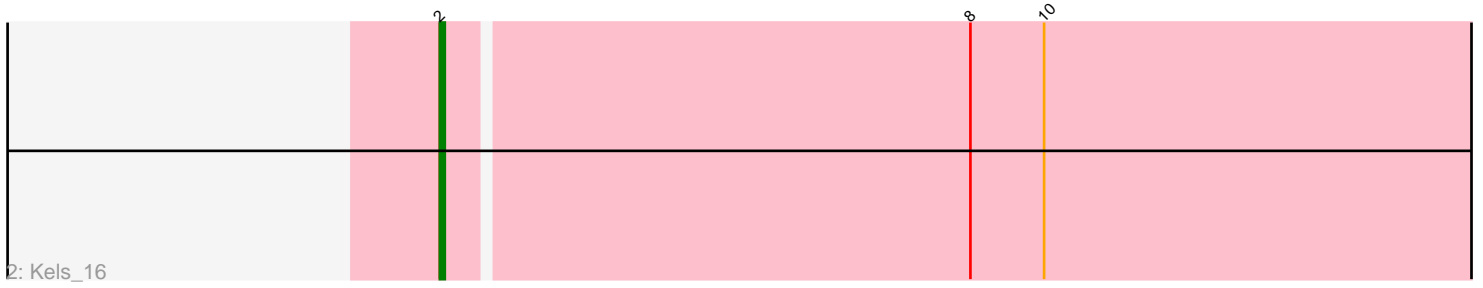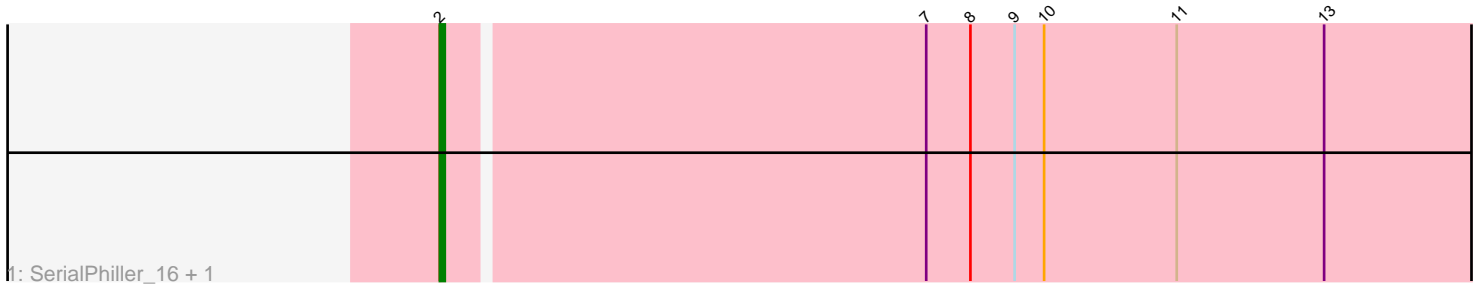# Pham 225105

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 225105 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225105 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),