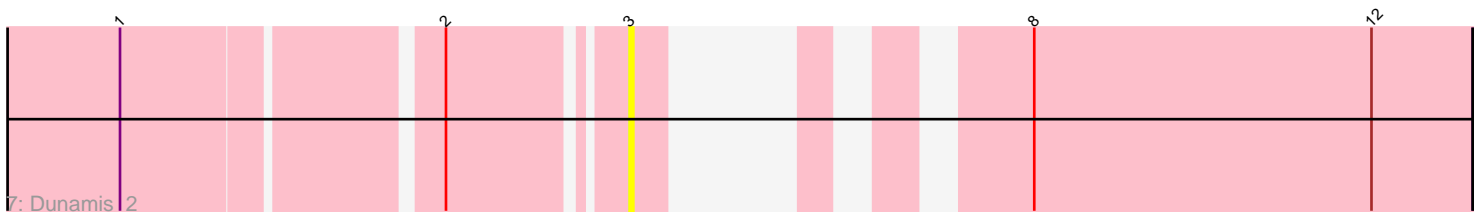
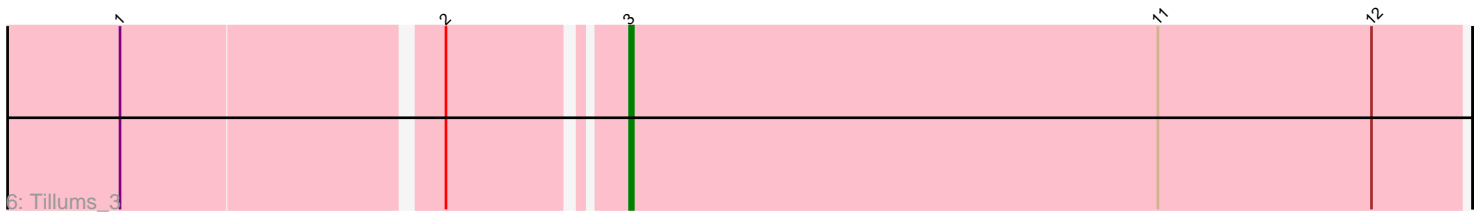
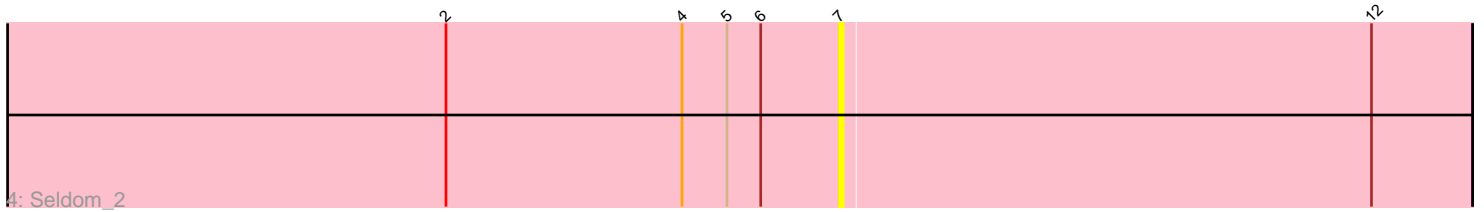
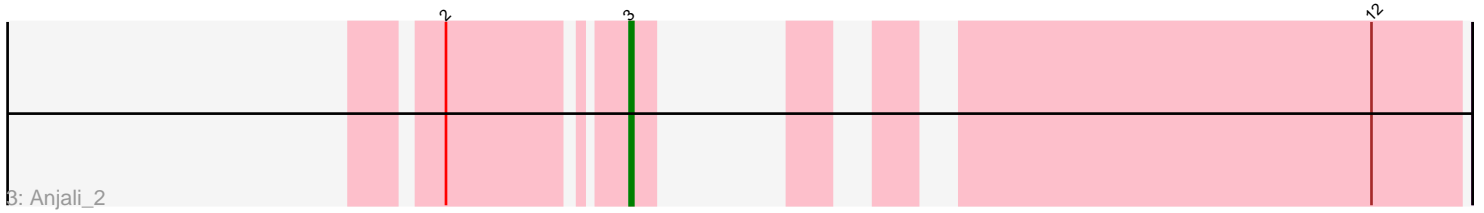
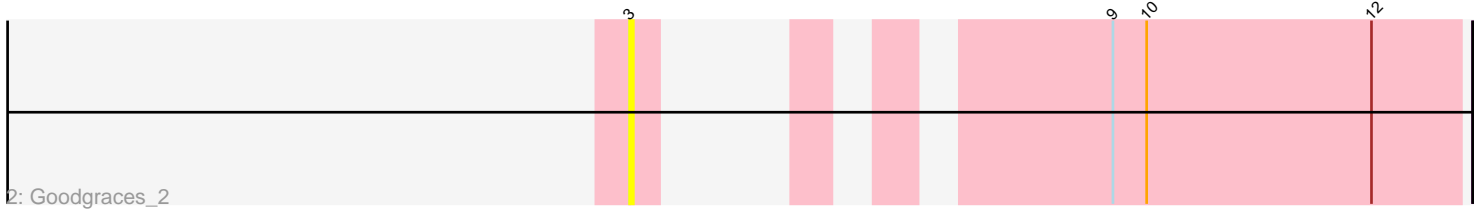
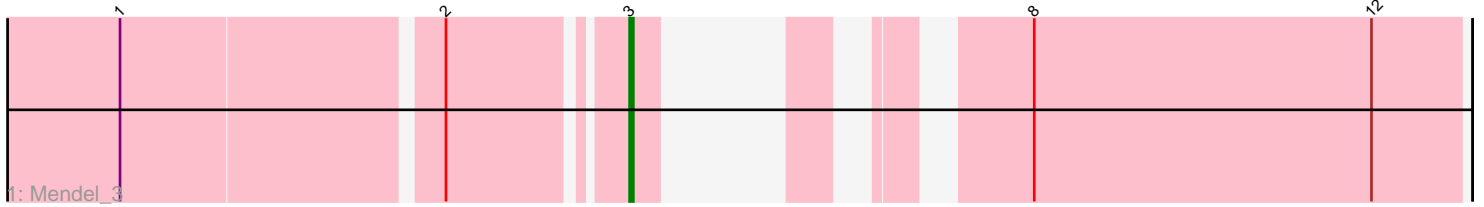


Pham 223733



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 223733 Report

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

Pham number 223733 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Mendel_3
- Track 2 : Goodgraces_2
- Track 3 : Anjali_2
- Track 4 : Seldom_2
- Track 5 : Swim_4
- Track 6 : Tillums_3
- Track 7 : Dunamis_2

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anjali_2, Dunamis_2, Goodgraces_2, Mendel_3, Swim_4, Tillums_3,

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

-

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

- Seldom_2,

Summary by start number:

Start 3:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anjali_2 (FD), Dunamis_2 (FD), Goodgraces_2 (FD), Mendel_3 (FD), Swim_4 (FD), Tillums_3 (FD),

Start 7:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Seldom_2 (FD),

Summary by clusters:

There is one cluster represented in this pham: FD

Info for manual annotations of cluster FD:

- Start number 3 was manually annotated 4 times for cluster FD.

Gene Information:

Gene: Anjali_2 Start: 913, Stop: 749, Start Num: 3

Candidate Starts for Anjali_2:

(2, 955), (Start: 3 @913 has 4 MA's), (12, 772),

Gene: Dunamis_2 Start: 913, Stop: 746, Start Num: 3

Candidate Starts for Dunamis_2:

(1, 1033), (2, 955), (Start: 3 @913 has 4 MA's), (8, 862), (12, 772),

Gene: Goodgraces_2 Start: 1141, Stop: 977, Start Num: 3

Candidate Starts for Goodgraces_2:

(Start: 3 @1141 has 4 MA's), (9, 1069), (10, 1060), (12, 1000),

Gene: Mendel_3 Start: 835, Stop: 671, Start Num: 3

Candidate Starts for Mendel_3:

(1, 958), (2, 877), (Start: 3 @835 has 4 MA's), (8, 784), (12, 694),

Gene: Seldom_2 Start: 1411, Stop: 1244, Start Num: 7

Candidate Starts for Seldom_2:

(2, 1516), (4, 1453), (5, 1441), (6, 1432), (7, 1411), (12, 1270),

Gene: Swim_4 Start: 1304, Stop: 1140, Start Num: 3

Candidate Starts for Swim_4:

(1, 1430), (2, 1349), (Start: 3 @1304 has 4 MA's), (11, 1220), (12, 1163),

Gene: Tillums_3 Start: 1355, Stop: 1134, Start Num: 3

Candidate Starts for Tillums_3:

(1, 1478), (2, 1397), (Start: 3 @1355 has 4 MA's), (11, 1214), (12, 1157),