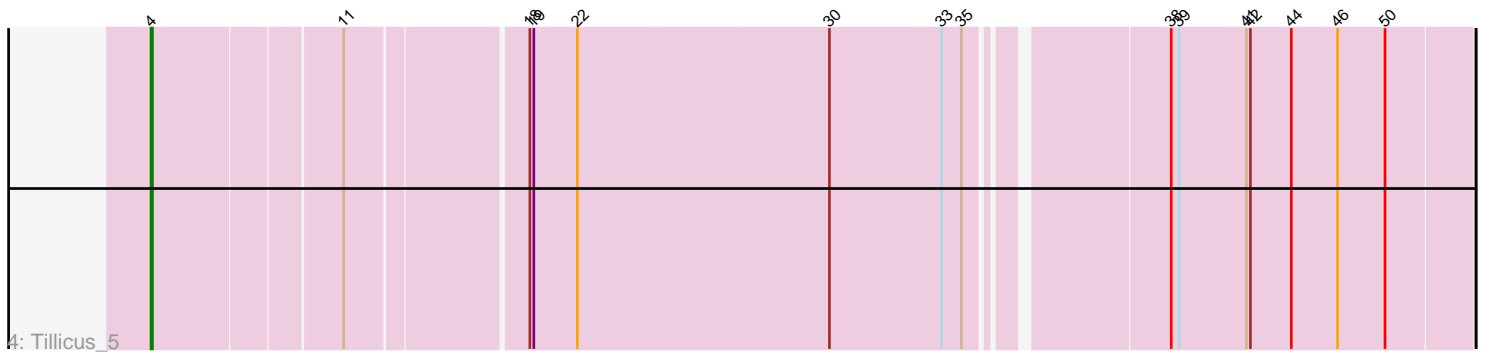
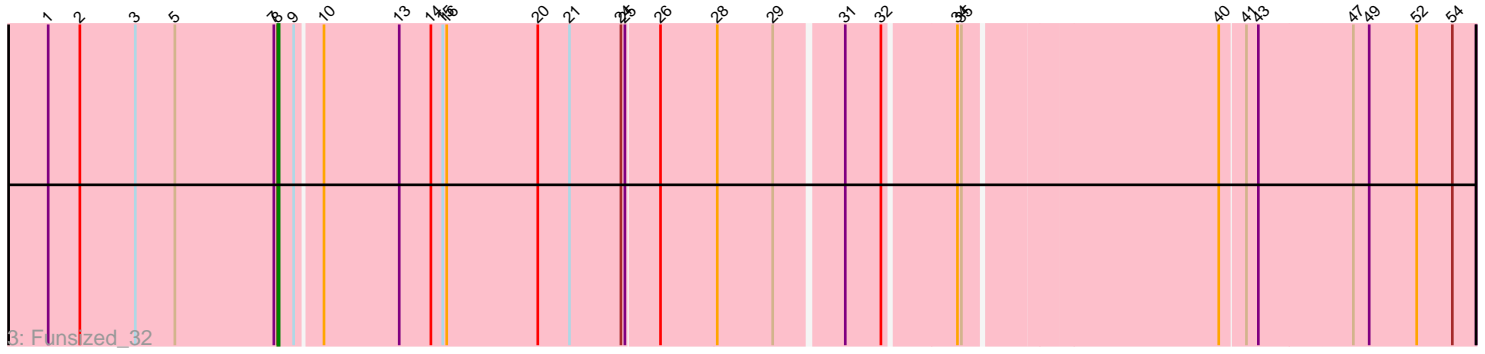
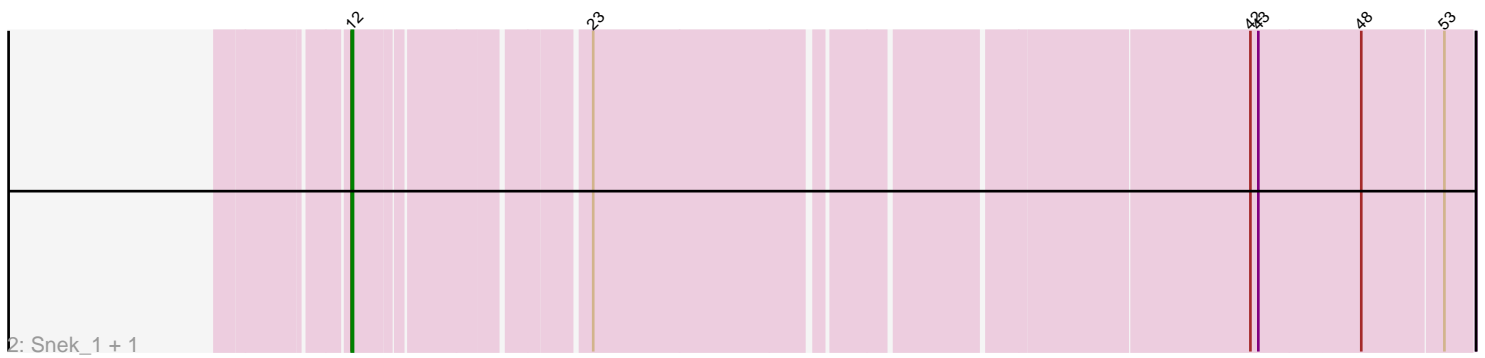
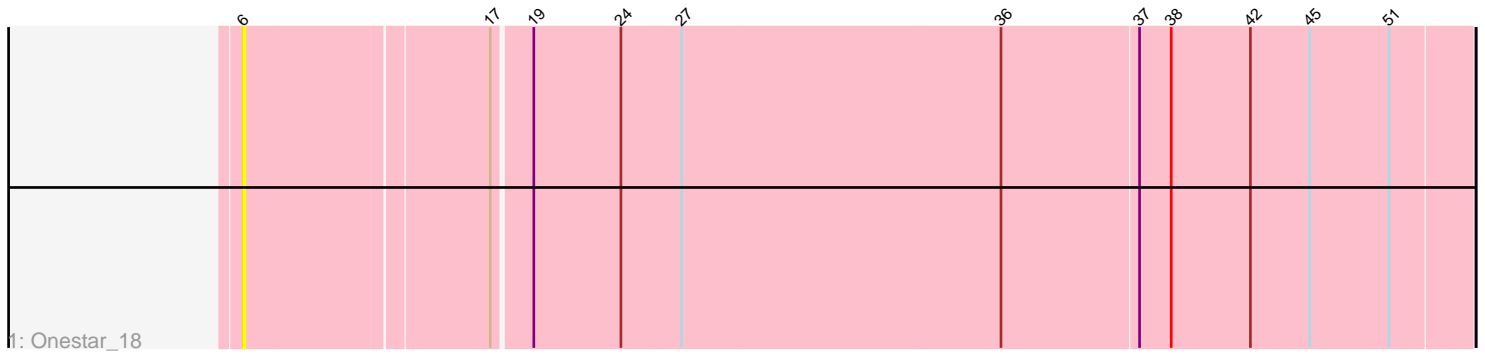


Pham 276986



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 276986 Report

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

Pham number 276986 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Onestar_18
- Track 2 : Snek_1, Tweety19_1
- Track 3 : Funsized_32
- Track 4 : Tillicus_5

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

The start number called the most often in the published annotations is 12, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Snek_1, Tweety19_1,

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

-

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

- Funsized_32, Onestar_18, Tillicus_5,

Summary by start number:

Start 4:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tillicus_5 (DV),

Start 6:

- Found in 1 of 5 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Onestar_18 (AW),

Start 8:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Funsized_32 (B9),

Start 12:

- Found in 2 of 5 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Snek_1 (AZ3), Tweety19_1 (AZ3),

Summary by clusters:

There are 4 clusters represented in this pham: DV, AZ3, B9, AW,

Info for manual annotations of cluster AZ3:

- Start number 12 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster B9:

- Start number 8 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster DV:

- Start number 4 was manually annotated 1 time for cluster DV.

Gene Information:

Gene: Funsized_32 Start: 30607, Stop: 31473, Start Num: 8

Candidate Starts for Funsized_32:

(1, 30433), (2, 30457), (3, 30499), (5, 30529), (7, 30604), (Start: 8 @30607 has 1 MA's), (9, 30619), (10, 30637), (13, 30694), (14, 30718), (15, 30727), (16, 30730), (20, 30799), (21, 30823), (24, 30862), (25, 30865), (26, 30889), (28, 30931), (29, 30973), (31, 31021), (32, 31048), (34, 31099), (35, 31102), (40, 31285), (41, 31303), (43, 31312), (47, 31381), (49, 31393), (52, 31429), (54, 31456),

Gene: Onestar_18 Start: 13365, Stop: 14270, Start Num: 6

Candidate Starts for Onestar_18:

(6, 13365), (17, 13542), (19, 13569), (24, 13635), (27, 13680), (36, 13920), (37, 14022), (38, 14046), (42, 14106), (45, 14151), (51, 14211),

Gene: Snek_1 Start: 143, Stop: 925, Start Num: 12

Candidate Starts for Snek_1:

(Start: 12 @143 has 2 MA's), (23, 299), (42, 764), (43, 770), (48, 845), (53, 905),

Gene: Tillicus_5 Start: 3733, Stop: 4671, Start Num: 4

Candidate Starts for Tillicus_5:

(Start: 4 @3733 has 1 MA's), (11, 3868), (18, 3994), (19, 3997), (22, 4030), (30, 4219), (33, 4303), (35, 4318), (38, 4450), (39, 4456), (41, 4507), (42, 4510), (44, 4540), (46, 4573), (50, 4609),

Gene: Tweety19_1 Start: 143, Stop: 925, Start Num: 12

Candidate Starts for Tweety19_1:

(Start: 12 @143 has 2 MA's), (23, 299), (42, 764), (43, 770), (48, 845), (53, 905),

