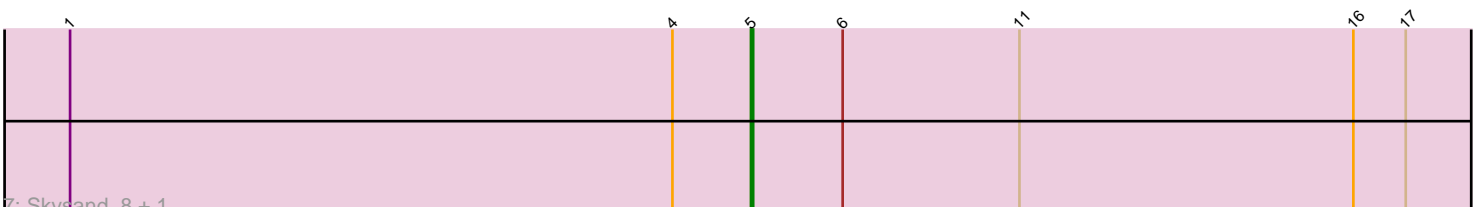
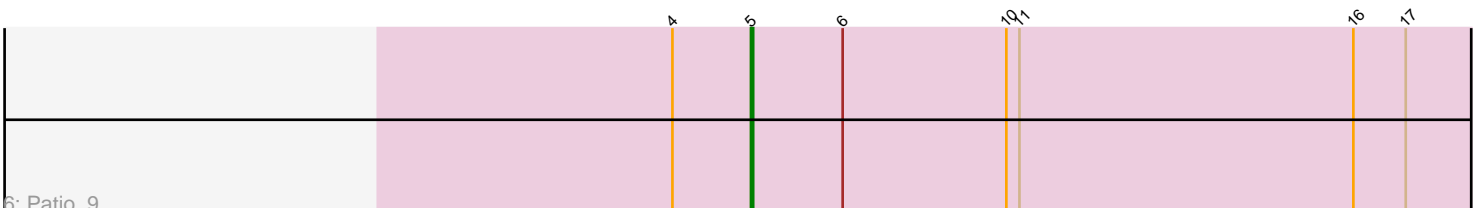
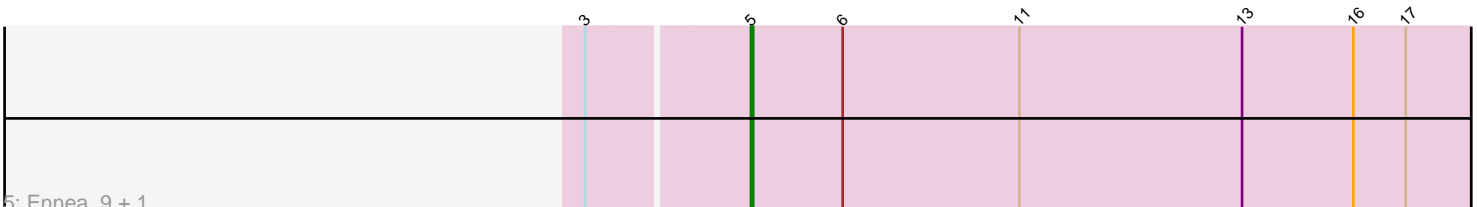
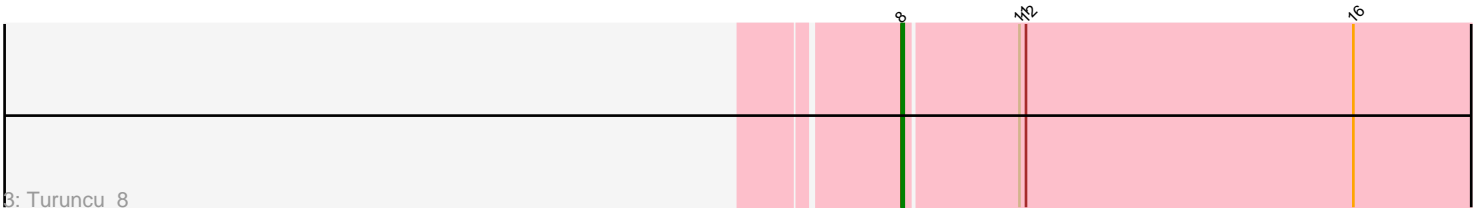
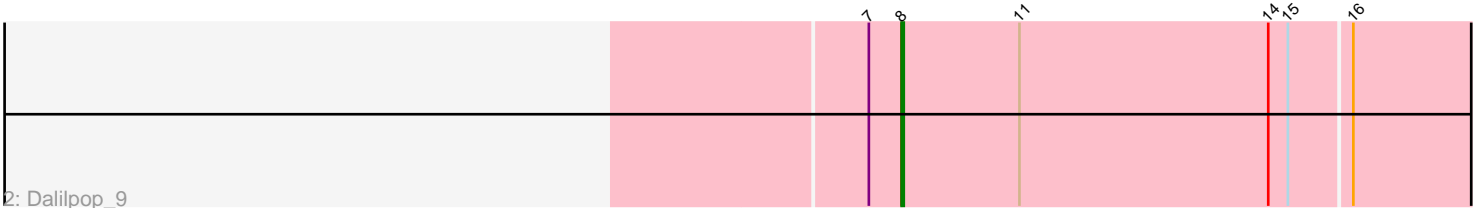
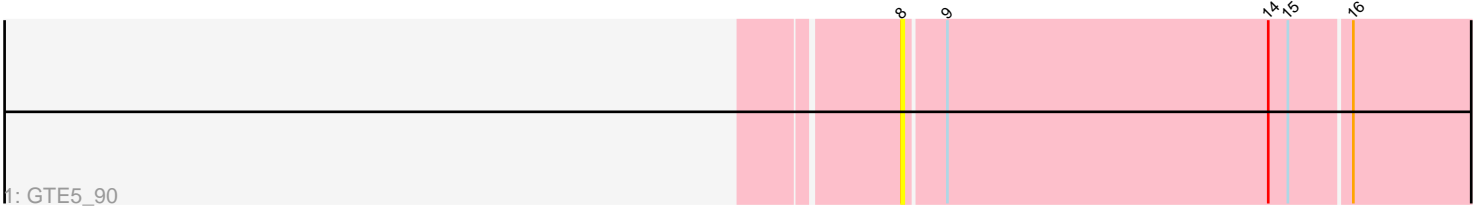


Pham 87713



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 87713 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87713 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : GTE5_90
- Track 2 : Dalilpop_9
- Track 3 : Turuncu_8
- Track 4 : GRU1_91
- Track 5 : Ennea_9, Lollipop1437_8
- Track 6 : Patio_9
- Track 7 : Skysand_8, Float294_8

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ennea_9, Float294_8, Lollipop1437_8, Patio_9, Skysand_8,

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

-

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

- Dalilpop_9, GRU1_91, GTE5_90, Turuncu_8,

Summary by start number:

Start 5:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ennea_9 (CR3), Float294_8 (CR3), Lollipop1437_8 (CR3), Patio_9 (CR3), Skysand_8 (CR3),

Start 8:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 2 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dalilpop_9 (CR1), GRU1_91 (CR1), GTE5_90 (CR1), Turuncu_8 (CR1),

Summary by clusters:

There are 2 clusters represented in this pham: CR3, CR1,

Info for manual annotations of cluster CR1:

- Start number 8 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR3:

- Start number 5 was manually annotated 5 times for cluster CR3.

Gene Information:

Gene: Dalilpop_9 Start: 5558, Stop: 5836, Start Num: 8

Candidate Starts for Dalilpop_9:

(7, 5543), (Start: 8 @5558 has 2 MA's), (11, 5612), (14, 5726), (15, 5735), (16, 5762),

Gene: Ennea_9 Start: 5370, Stop: 5735, Start Num: 5

Candidate Starts for Ennea_9:

(3, 5301), (Start: 5 @5370 has 5 MA's), (6, 5412), (11, 5493), (13, 5595), (16, 5646), (17, 5670),

Gene: Float294_8 Start: 5190, Stop: 5555, Start Num: 5

Candidate Starts for Float294_8:

(1, 4878), (4, 5154), (Start: 5 @5190 has 5 MA's), (6, 5232), (11, 5313), (16, 5466), (17, 5490),

Gene: GRU1_91 Start: 63741, Stop: 64019, Start Num: 8

Candidate Starts for GRU1_91:

(2, 63582), (Start: 8 @63741 has 2 MA's), (11, 63795), (14, 63909), (15, 63918), (16, 63945),

Gene: GTE5_90 Start: 64633, Stop: 64908, Start Num: 8

Candidate Starts for GTE5_90:

(Start: 8 @64633 has 2 MA's), (9, 64651), (14, 64798), (15, 64807), (16, 64834),

Gene: Lollipop1437_8 Start: 5358, Stop: 5723, Start Num: 5

Candidate Starts for Lollipop1437_8:

(3, 5289), (Start: 5 @5358 has 5 MA's), (6, 5400), (11, 5481), (13, 5583), (16, 5634), (17, 5658),

Gene: Patio_9 Start: 5866, Stop: 6231, Start Num: 5

Candidate Starts for Patio_9:

(4, 5830), (Start: 5 @5866 has 5 MA's), (6, 5908), (10, 5983), (11, 5989), (16, 6142), (17, 6166),

Gene: Skysand_8 Start: 5192, Stop: 5557, Start Num: 5

Candidate Starts for Skysand_8:

(1, 4880), (4, 5156), (Start: 5 @5192 has 5 MA's), (6, 5234), (11, 5315), (16, 5468), (17, 5492),

Gene: Turuncu_8 Start: 4616, Stop: 4894, Start Num: 8

Candidate Starts for Turuncu_8:

(Start: 8 @4616 has 2 MA's), (11, 4667), (12, 4670), (16, 4820),

