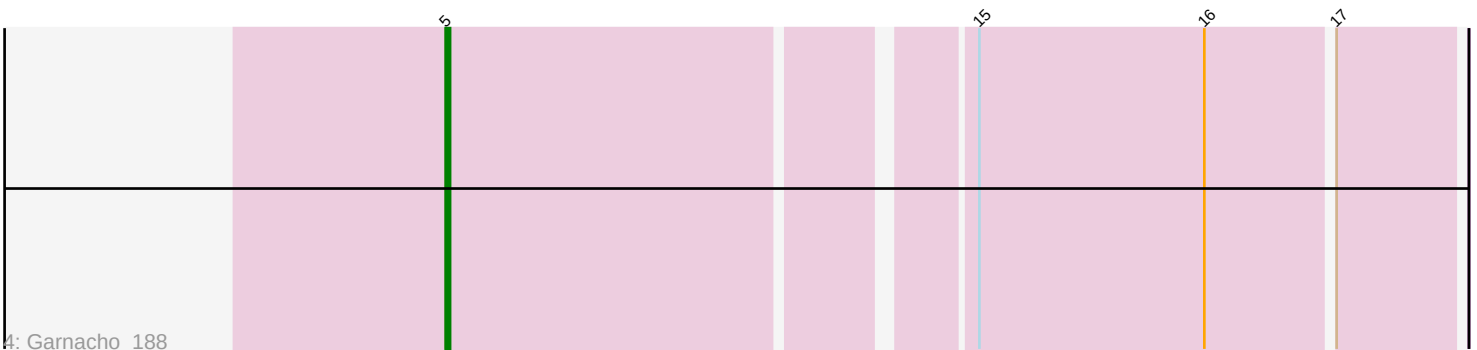
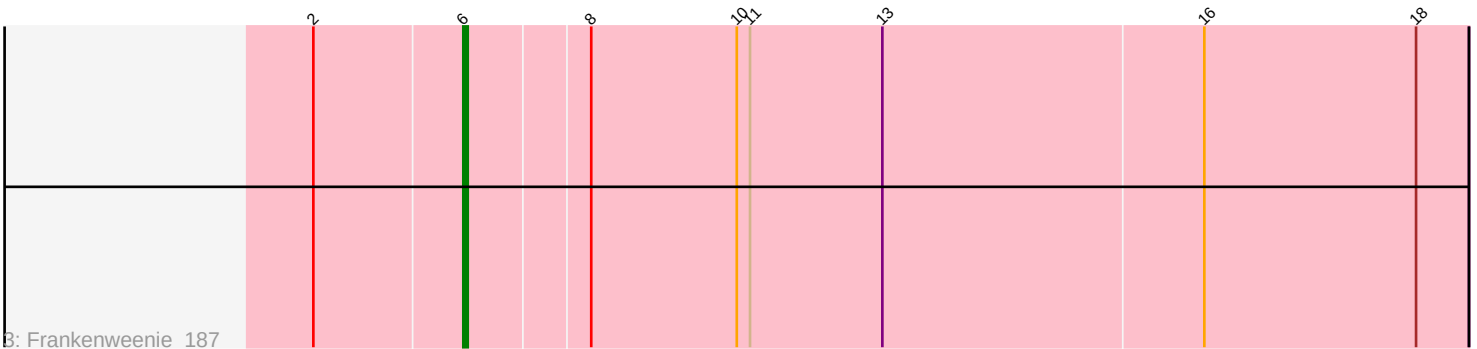
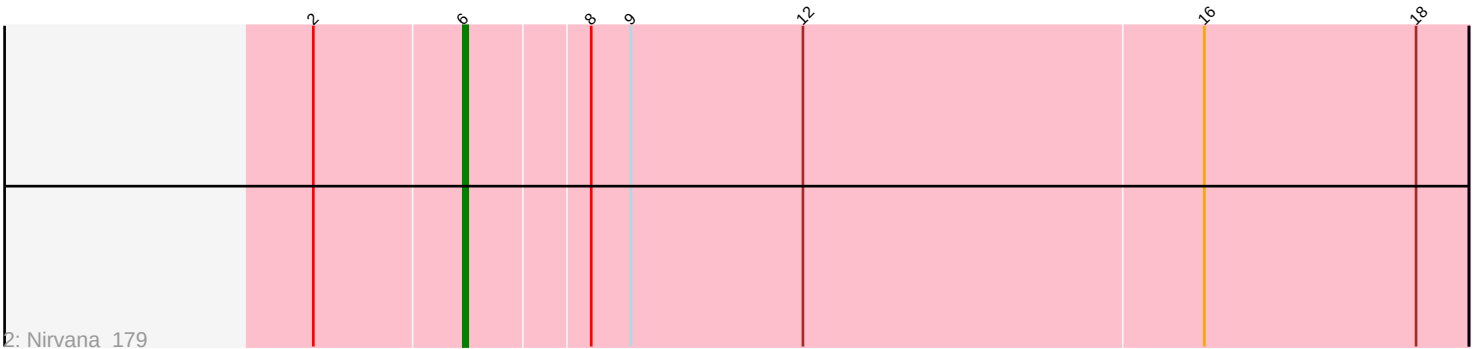


Pham 309918



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 309918 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309918 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Satis_171, Kradal_171, EhyElimayoE_172, Quantum_170, Sarkar_171
- Track 2 : Nirvana_179
- Track 3 : Frankenweenie_187
- Track 4 : Garnacho_188

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_172, Kradal_171, Quantum_170, Sarkar_171, Satis_171,

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

-

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

- Frankenweenie_187, Garnacho_188, Nirvana_179,

Summary by start number:

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Garnacho_188 (BS),

Start 6:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frankenweenie_187 (BM), Nirvana_179 (BM),

Start 7:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_172 (BM), Kradal_171 (BM), Quantum_170 (BM), Sarkar_171 (BM), Satis_171 (BM),

Summary by clusters:

There are 2 clusters represented in this pham: BM, BS,

Info for manual annotations of cluster BM:

- Start number 6 was manually annotated 2 times for cluster BM.
- Start number 7 was manually annotated 5 times for cluster BM.

Info for manual annotations of cluster BS:

- Start number 5 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: EhyElimayoE_172 Start: 111381, Stop: 111202, Start Num: 7

Candidate Starts for EhyElimayoE_172:

(1, 111459), (3, 111411), (4, 111408), (Start: 7 @111381 has 5 MA's), (14, 111303),

Gene: Frankenweenie_187 Start: 120424, Stop: 120200, Start Num: 6

Candidate Starts for Frankenweenie_187:

(2, 120457), (Start: 6 @120424 has 2 MA's), (8, 120397), (10, 120364), (11, 120361), (13, 120331), (16, 120259), (18, 120211),

Gene: Garnacho_188 Start: 101399, Stop: 101614, Start Num: 5

Candidate Starts for Garnacho_188:

(Start: 5 @101399 has 1 MA's), (15, 101510), (16, 101561), (17, 101588),

Gene: Kradal_171 Start: 111378, Stop: 111199, Start Num: 7

Candidate Starts for Kradal_171:

(1, 111456), (3, 111408), (4, 111405), (Start: 7 @111378 has 5 MA's), (14, 111300),

Gene: Nirvana_179 Start: 118615, Stop: 118391, Start Num: 6

Candidate Starts for Nirvana_179:

(2, 118648), (Start: 6 @118615 has 2 MA's), (8, 118588), (9, 118579), (12, 118540), (16, 118450), (18, 118402),

Gene: Quantum_170 Start: 111378, Stop: 111199, Start Num: 7

Candidate Starts for Quantum_170:

(1, 111456), (3, 111408), (4, 111405), (Start: 7 @111378 has 5 MA's), (14, 111300),

Gene: Sarkar_171 Start: 111378, Stop: 111199, Start Num: 7

Candidate Starts for Sarkar_171:

(1, 111456), (3, 111408), (4, 111405), (Start: 7 @111378 has 5 MA's), (14, 111300),

Gene: Satis_171 Start: 111374, Stop: 111195, Start Num: 7

Candidate Starts for Satis_171:

(1, 111452), (3, 111404), (4, 111401), (Start: 7 @111374 has 5 MA's), (14, 111296),