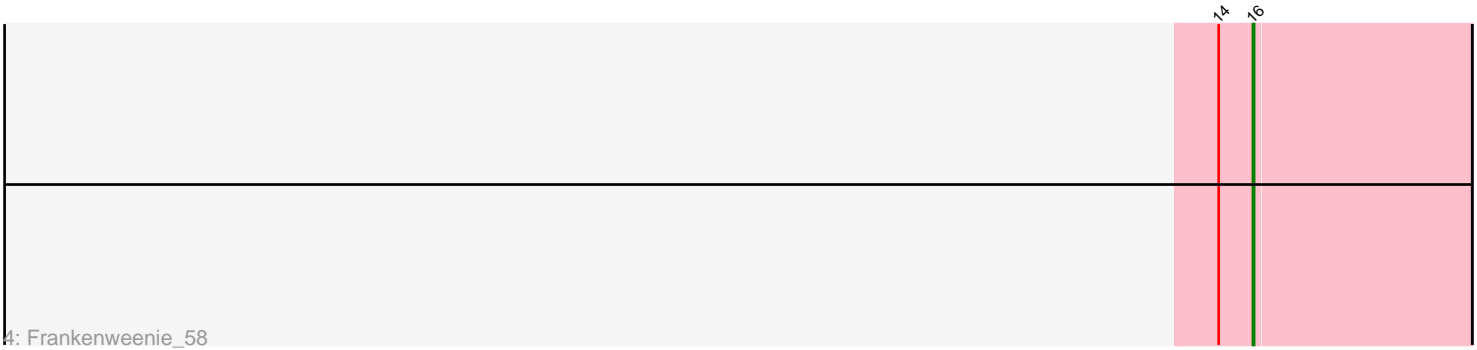
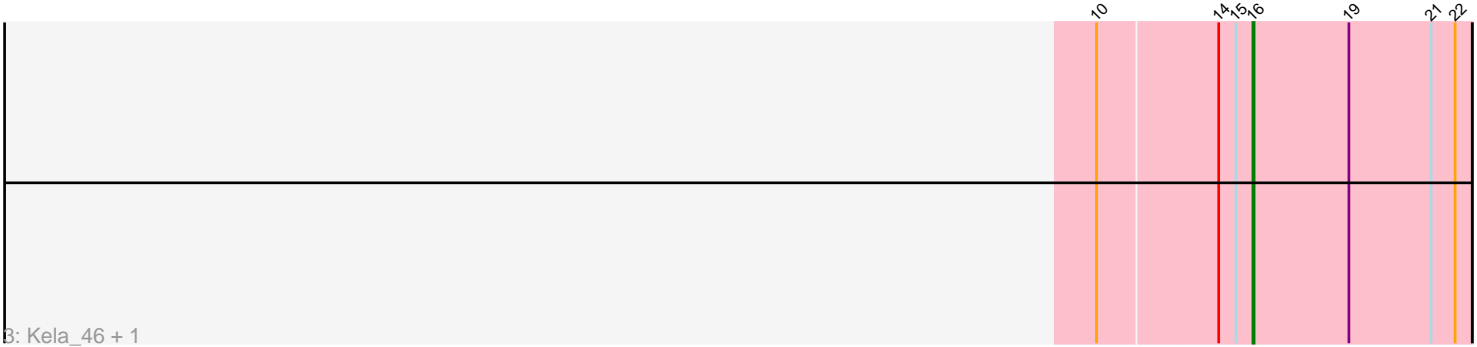
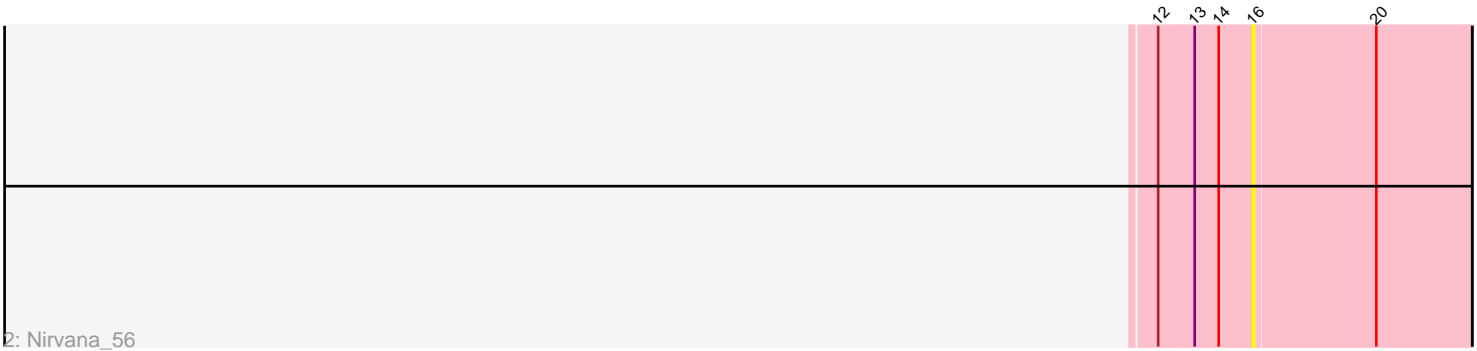
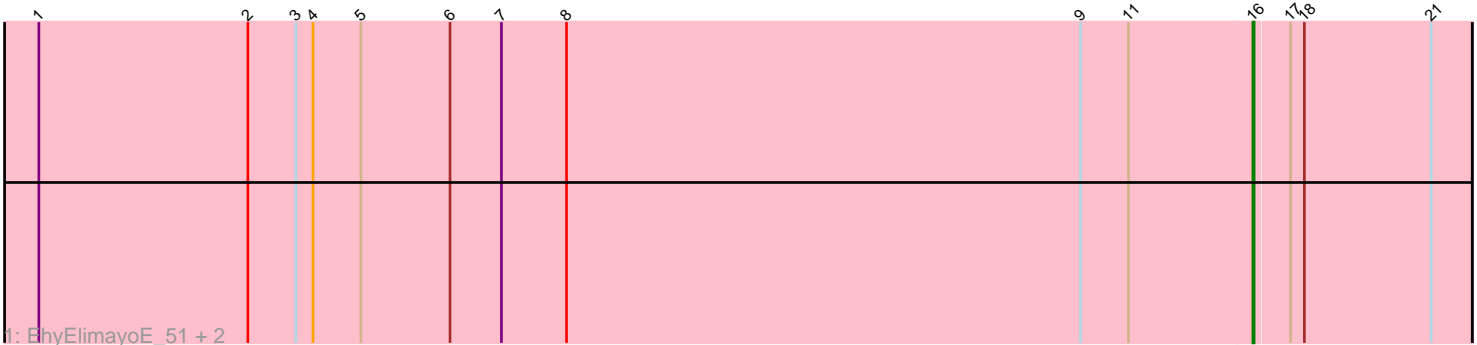


Pham 7438



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 7438 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7438 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EhyElimayoE_51, Kradal_51, Satis_51
- Track 2 : Nirvana_56
- Track 3 : Kela_46, JustBecause_45
- Track 4 : Frankenweenie_58

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

The start number called the most often in the published annotations is 16, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_51, Frankenweenie_58, JustBecause_45, Kela_46, Kradal_51, Nirvana_56, Satis_51,

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

-

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

-

Summary by start number:

Start 16:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_51 (BM), Frankenweenie_58 (BM), JustBecause_45 (BM), Kela_46 (BM), Kradal_51 (BM), Nirvana_56 (BM), Satis_51 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:

- Start number 16 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_51 Start: 28170, Stop: 28358, Start Num: 16

Candidate Starts for EhyElimayoE_51:

(1, 27108), (2, 27291), (3, 27333), (4, 27348), (5, 27390), (6, 27468), (7, 27513), (8, 27570), (9, 28020), (11, 28062), (Start: 16 @28170 has 6 MA's), (17, 28200), (18, 28212), (21, 28323),

Gene: Frankenweenie_58 Start: 30755, Stop: 30943, Start Num: 16

Candidate Starts for Frankenweenie_58:

(14, 30725), (Start: 16 @30755 has 6 MA's),

Gene: JustBecause_45 Start: 25389, Stop: 25580, Start Num: 16

Candidate Starts for JustBecause_45:

(10, 25257), (14, 25359), (15, 25374), (Start: 16 @25389 has 6 MA's), (19, 25473), (21, 25545), (22, 25566),

Gene: Kela_46 Start: 25254, Stop: 25445, Start Num: 16

Candidate Starts for Kela_46:

(10, 25122), (14, 25224), (15, 25239), (Start: 16 @25254 has 6 MA's), (19, 25338), (21, 25410), (22, 25431),

Gene: Kradal_51 Start: 28170, Stop: 28358, Start Num: 16

Candidate Starts for Kradal_51:

(1, 27108), (2, 27291), (3, 27333), (4, 27348), (5, 27390), (6, 27468), (7, 27513), (8, 27570), (9, 28020), (11, 28062), (Start: 16 @28170 has 6 MA's), (17, 28200), (18, 28212), (21, 28323),

Gene: Nirvana_56 Start: 30154, Stop: 30342, Start Num: 16

Candidate Starts for Nirvana_56:

(12, 30073), (13, 30103), (14, 30124), (Start: 16 @30154 has 6 MA's), (20, 30259),

Gene: Satis_51 Start: 28166, Stop: 28354, Start Num: 16

Candidate Starts for Satis_51:

(1, 27104), (2, 27287), (3, 27329), (4, 27344), (5, 27386), (6, 27464), (7, 27509), (8, 27566), (9, 28016), (11, 28058), (Start: 16 @28166 has 6 MA's), (17, 28196), (18, 28208), (21, 28319),