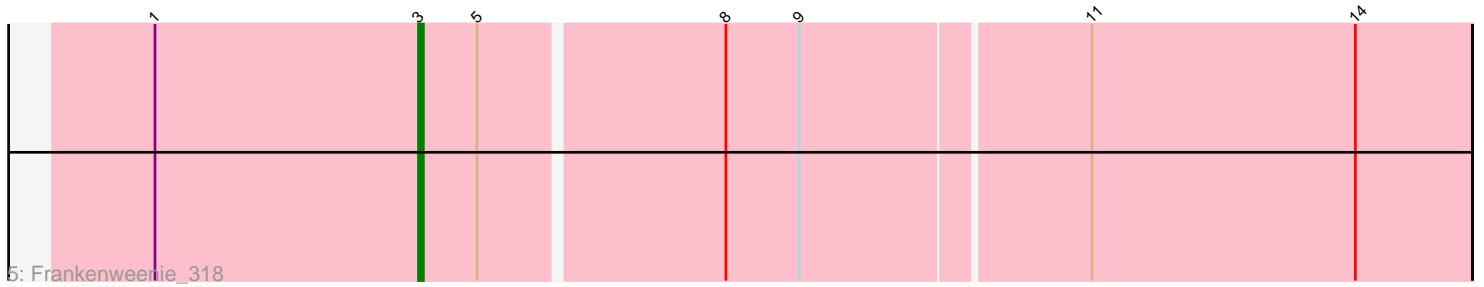
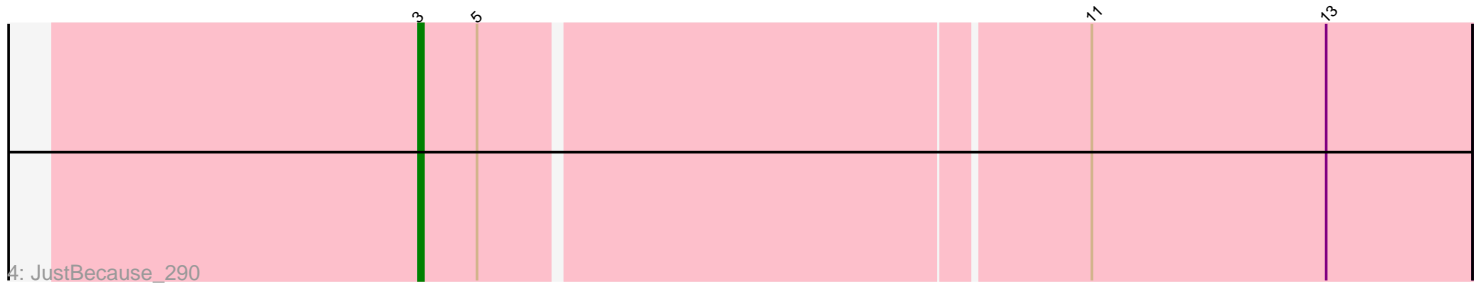
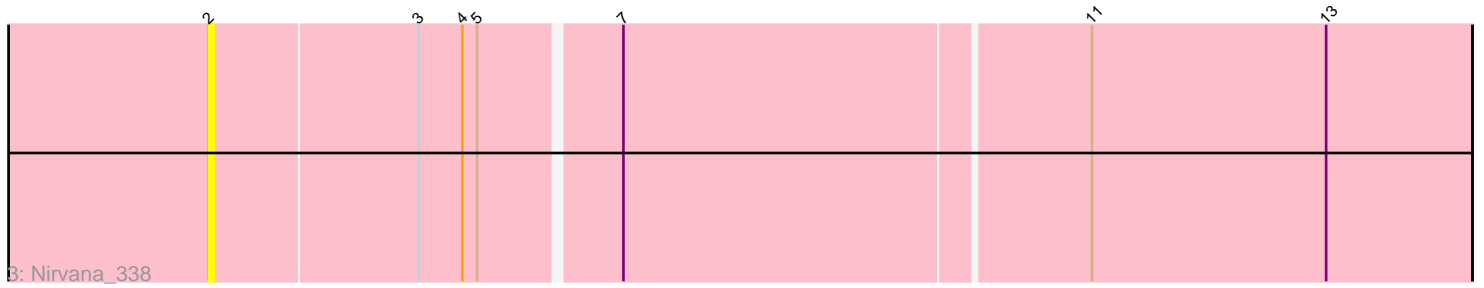
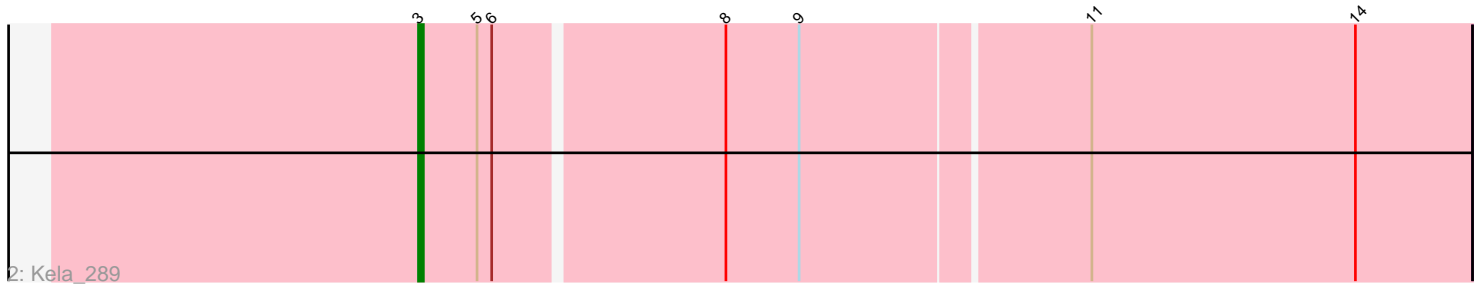
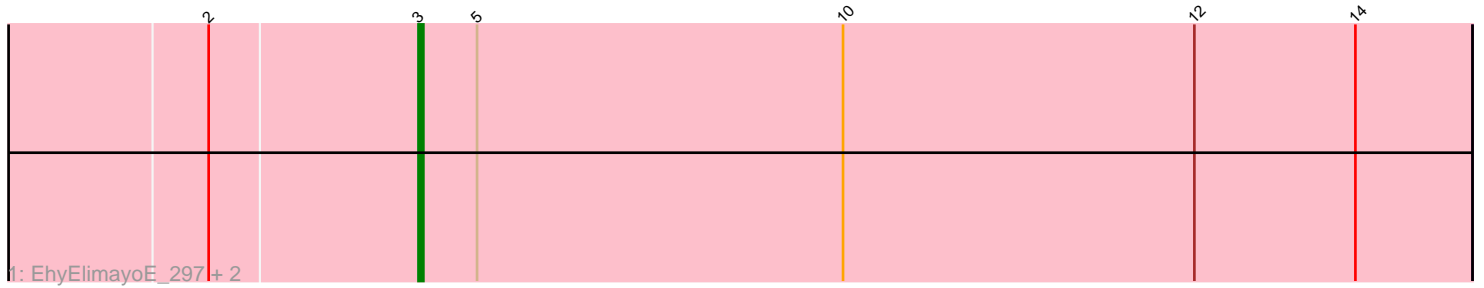


Pham 8059



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 8059 Report

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

Pham number 8059 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EhyElimayoE_297, Kradal_294, Satis_294
- Track 2 : Kela_289
- Track 3 : Nirvana_338
- Track 4 : JustBecause_290
- Track 5 : Frankenweenie_318

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_297, Frankenweenie_318, JustBecause_290, Kela_289, Kradal_294, Satis_294,

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

- Nirvana_338,

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

-

Summary by start number:

Start 2:

- Found in 4 of 7 (57.1%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Nirvana_338 (BM),

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 85.7% of time when present

- Phage (with cluster) where this start called: EhyElimayoE_297 (BM), Frankenweenie_318 (BM), JustBecause_290 (BM), Kela_289 (BM), Kradal_294 (BM), Satis_294 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:

- Start number 3 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_297 Start: 163417, Stop: 163202, Start Num: 3

Candidate Starts for EhyElimayoE_297:

(2, 163459), (Start: 3 @163417 has 6 MA's), (5, 163405), (10, 163330), (12, 163258), (14, 163225),

Gene: Frankenweenie_318 Start: 175027, Stop: 174818, Start Num: 3

Candidate Starts for Frankenweenie_318:

(1, 175081), (Start: 3 @175027 has 6 MA's), (5, 175015), (8, 174967), (9, 174952), (11, 174895), (14, 174841),

Gene: JustBecause_290 Start: 158739, Stop: 158530, Start Num: 3

Candidate Starts for JustBecause_290:

(Start: 3 @158739 has 6 MA's), (5, 158727), (11, 158607), (13, 158559),

Gene: Kela_289 Start: 160253, Stop: 160044, Start Num: 3

Candidate Starts for Kela_289:

(Start: 3 @160253 has 6 MA's), (5, 160241), (6, 160238), (8, 160193), (9, 160178), (11, 160121), (14, 160067),

Gene: Kradal_294 Start: 163414, Stop: 163199, Start Num: 3

Candidate Starts for Kradal_294:

(2, 163456), (Start: 3 @163414 has 6 MA's), (5, 163402), (10, 163327), (12, 163255), (14, 163222),

Gene: Nirvana_338 Start: 176913, Stop: 176662, Start Num: 2

Candidate Starts for Nirvana_338:

(2, 176913), (Start: 3 @176871 has 6 MA's), (4, 176862), (5, 176859), (7, 176832), (11, 176739), (13, 176691),

Gene: Satis_294 Start: 163751, Stop: 163536, Start Num: 3

Candidate Starts for Satis_294:

(2, 163793), (Start: 3 @163751 has 6 MA's), (5, 163739), (10, 163664), (12, 163592), (14, 163559),