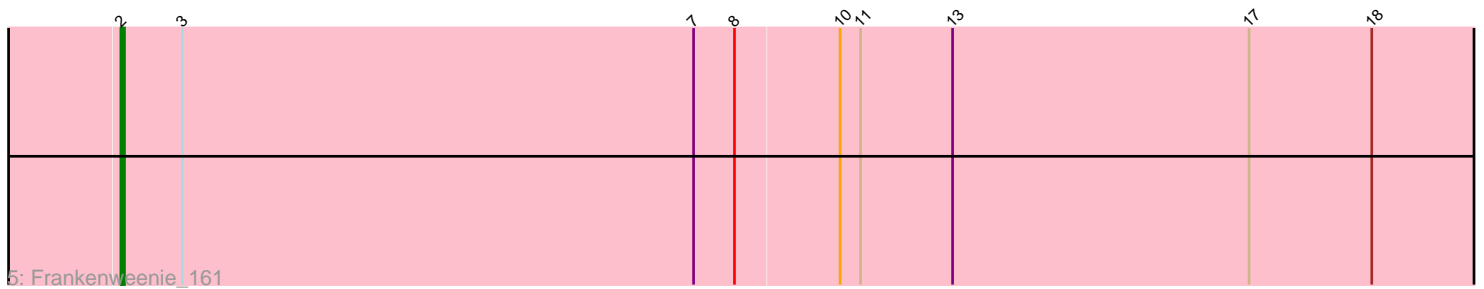
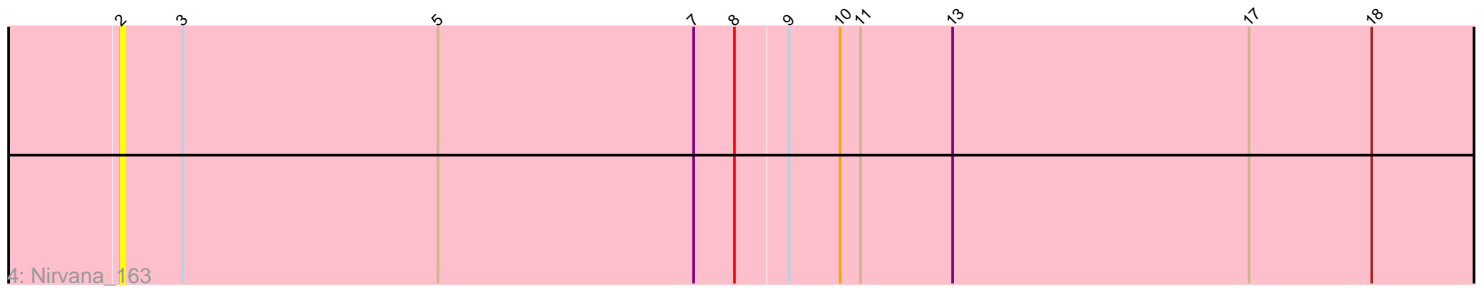
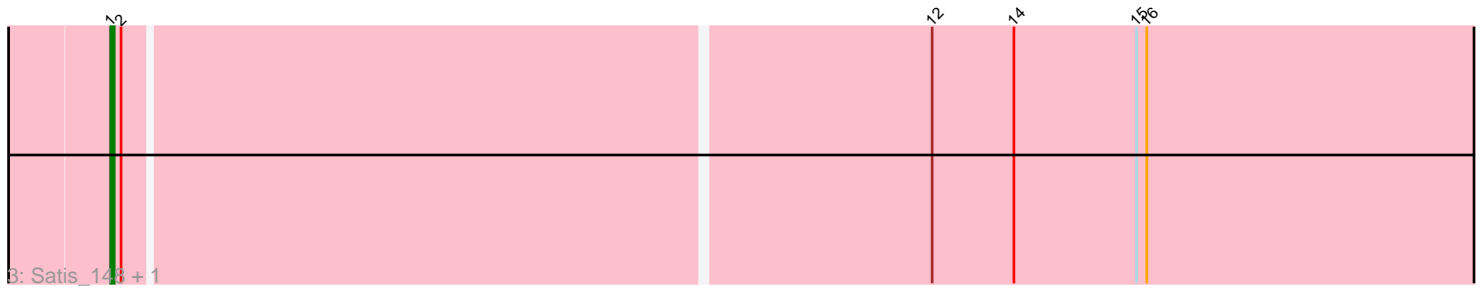
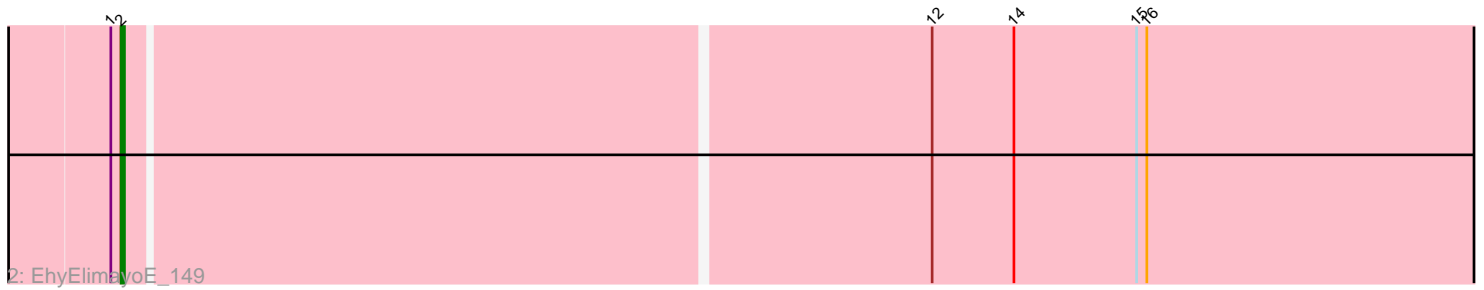
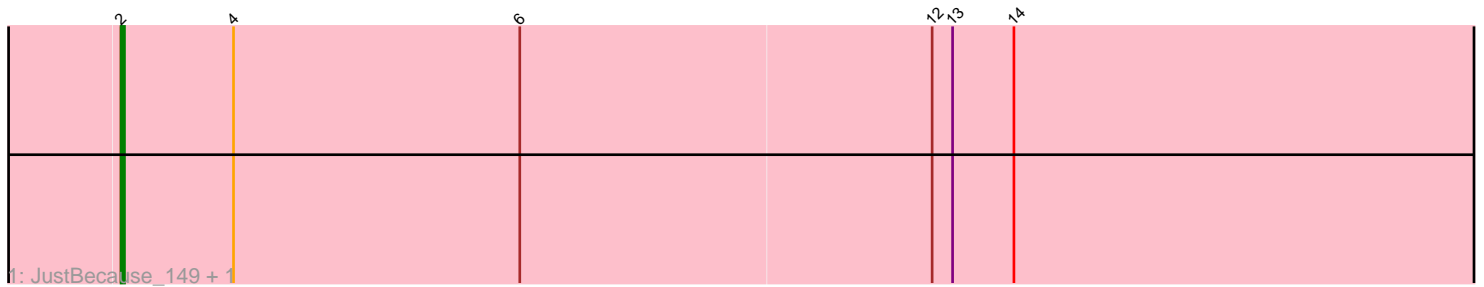


Pham 7684



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 7684 Report

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

Pham number 7684 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : JustBecause_149, Kela_147
- Track 2 : EhyElimayoE_149
- Track 3 : Satis_148, Kradal_148
- Track 4 : Nirvana_163
- Track 5 : Frankenweenie_161

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_149, Frankenweenie_161, JustBecause_149, Kela_147, Nirvana_163,

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

- Kradal_148, Satis_148,

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

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Summary by start number:

Start 1:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Kradal_148 (BM), Satis_148 (BM),

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 71.4% of time when present

- Phage (with cluster) where this start called: EhyElimayoE_149 (BM), Frankenweenie_161 (BM), JustBecause_149 (BM), Kela_147 (BM), Nirvana_163 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:

- Start number 1 was manually annotated 2 times for cluster BM.
- Start number 2 was manually annotated 4 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_149 Start: 92562, Stop: 92164, Start Num: 2

Candidate Starts for EhyElimayoE_149:

(Start: 1 @92565 has 2 MA's), (Start: 2 @92562 has 4 MA's), (12, 92331), (14, 92307), (15, 92271), (16, 92268),

Gene: Frankenweenie_161 Start: 98891, Stop: 98490, Start Num: 2

Candidate Starts for Frankenweenie_161:

(Start: 2 @98891 has 4 MA's), (3, 98873), (7, 98723), (8, 98711), (10, 98681), (11, 98675), (13, 98648), (17, 98561), (18, 98525),

Gene: JustBecause_149 Start: 92434, Stop: 92033, Start Num: 2

Candidate Starts for JustBecause_149:

(Start: 2 @92434 has 4 MA's), (4, 92401), (6, 92317), (12, 92197), (13, 92191), (14, 92173),

Gene: Kela_147 Start: 92308, Stop: 91907, Start Num: 2

Candidate Starts for Kela_147:

(Start: 2 @92308 has 4 MA's), (4, 92275), (6, 92191), (12, 92071), (13, 92065), (14, 92047),

Gene: Kradal_148 Start: 92562, Stop: 92161, Start Num: 1

Candidate Starts for Kradal_148:

(Start: 1 @92562 has 2 MA's), (Start: 2 @92559 has 4 MA's), (12, 92328), (14, 92304), (15, 92268), (16, 92265),

Gene: Nirvana_163 Start: 97307, Stop: 96903, Start Num: 2

Candidate Starts for Nirvana_163:

(Start: 2 @97307 has 4 MA's), (3, 97289), (5, 97214), (7, 97139), (8, 97127), (9, 97112), (10, 97097), (11, 97091), (13, 97064), (17, 96977), (18, 96941),

Gene: Satis_148 Start: 92558, Stop: 92157, Start Num: 1

Candidate Starts for Satis_148:

(Start: 1 @92558 has 2 MA's), (Start: 2 @92555 has 4 MA's), (12, 92324), (14, 92300), (15, 92264), (16, 92261),