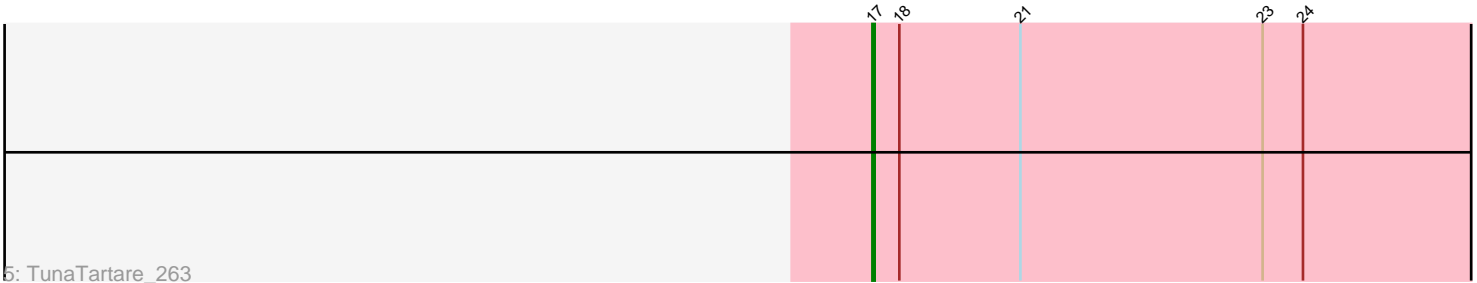
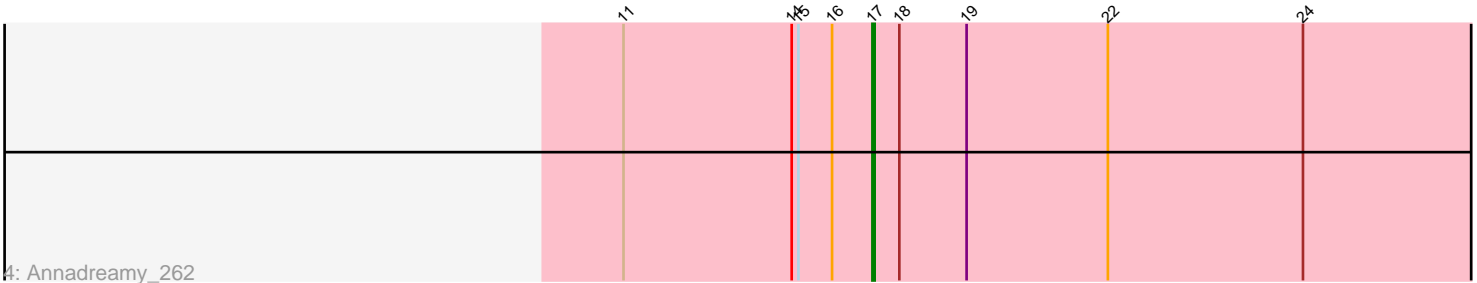
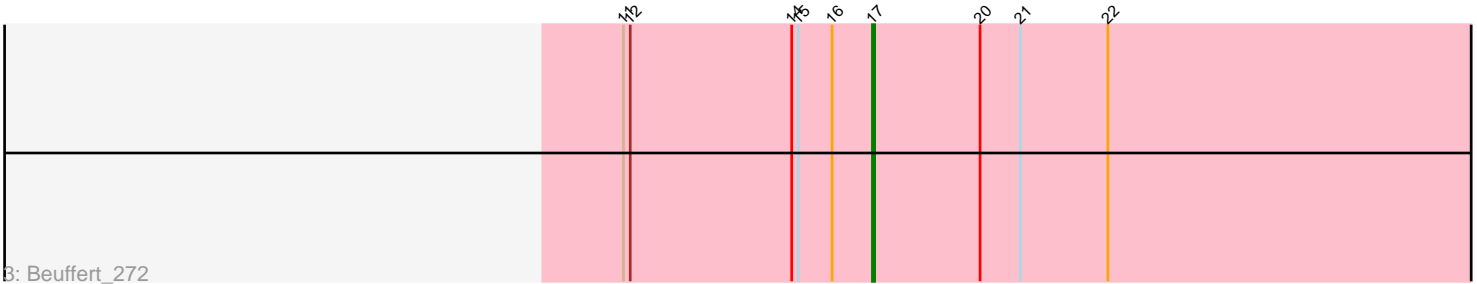
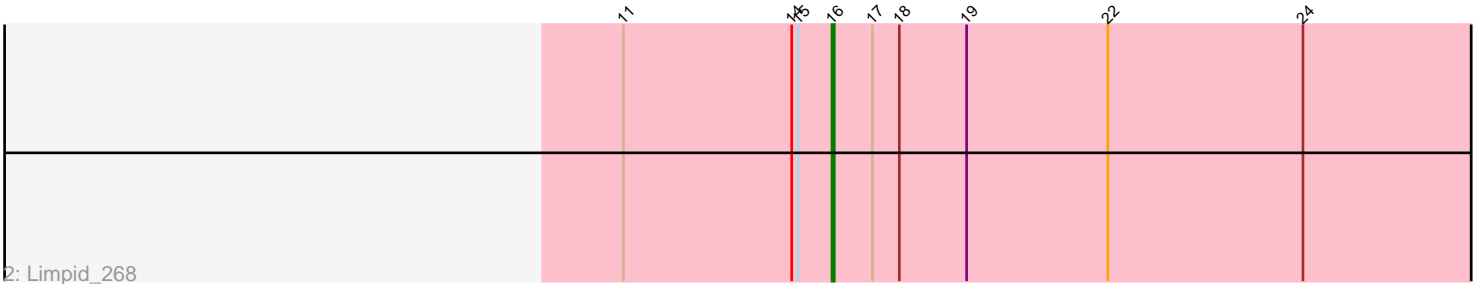
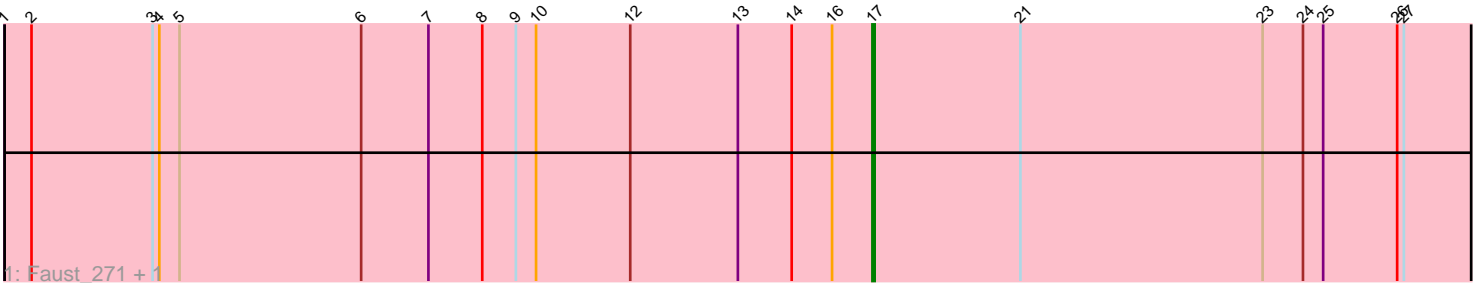


Pham 107301



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 107301 Report

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

Pham number 107301 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Faust\_271, SeresaTree\_276
- Track 2 : Limpid\_268
- Track 3 : Beuffert\_272
- Track 4 : Annadreamy\_262
- Track 5 : TunaTartare\_263

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

The start number called the most often in the published annotations is 17, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy\_262, Beuffert\_272, Faust\_271, SeresaTree\_276, TunaTartare\_263,

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

- Limpid\_268,

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

- 

### **Summary by start number:**

Start 16:

- Found in 5 of 6 ( 83.3% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Limpid\_268 (BK1),

Start 17:

- Found in 6 of 6 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Annadreamy\_262 (BK1), Beuffert\_272 (BK1), Faust\_271 (BK1), SeresaTree\_276 (BK1), TunaTartare\_263 (BK1),

## Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 16 was manually annotated 1 time for cluster BK1.
- Start number 17 was manually annotated 4 times for cluster BK1.

### **Gene Information:**

Gene: Annadreamy\_262 Start: 123990, Stop: 124286, Start Num: 17

Candidate Starts for Annadreamy\_262:

(11, 123879), (14, 123954), (15, 123957), (Start: 16 @123972 has 1 MA's), (Start: 17 @123990 has 4 MA's), (18, 124002), (19, 124032), (22, 124095), (24, 124182),

Gene: Beuffert\_272 Start: 128216, Stop: 128512, Start Num: 17

Candidate Starts for Beuffert\_272:

(11, 128105), (12, 128108), (14, 128180), (15, 128183), (Start: 16 @128198 has 1 MA's), (Start: 17 @128216 has 4 MA's), (20, 128264), (21, 128282), (22, 128321),

Gene: Faust\_271 Start: 128941, Stop: 129237, Start Num: 17

Candidate Starts for Faust\_271:

(1, 128554), (2, 128566), (3, 128620), (4, 128623), (5, 128632), (6, 128713), (7, 128743), (8, 128767), (9, 128782), (10, 128791), (12, 128833), (13, 128881), (14, 128905), (Start: 16 @128923 has 1 MA's), (Start: 17 @128941 has 4 MA's), (21, 129007), (23, 129115), (24, 129133), (25, 129142), (26, 129175), (27, 129178),

Gene: Limpid\_268 Start: 129285, Stop: 129599, Start Num: 16

Candidate Starts for Limpid\_268:

(11, 129192), (14, 129267), (15, 129270), (Start: 16 @129285 has 1 MA's), (Start: 17 @129303 has 4 MA's), (18, 129315), (19, 129345), (22, 129408), (24, 129495),

Gene: SeresaTree\_276 Start: 129162, Stop: 129458, Start Num: 17

Candidate Starts for SeresaTree\_276:

(1, 128775), (2, 128787), (3, 128841), (4, 128844), (5, 128853), (6, 128934), (7, 128964), (8, 128988), (9, 129003), (10, 129012), (12, 129054), (13, 129102), (14, 129126), (Start: 16 @129144 has 1 MA's), (Start: 17 @129162 has 4 MA's), (21, 129228), (23, 129336), (24, 129354), (25, 129363), (26, 129396), (27, 129399),

Gene: TunaTartare\_263 Start: 128870, Stop: 129166, Start Num: 17

Candidate Starts for TunaTartare\_263:

(Start: 17 @128870 has 4 MA's), (18, 128882), (21, 128936), (23, 129044), (24, 129062),