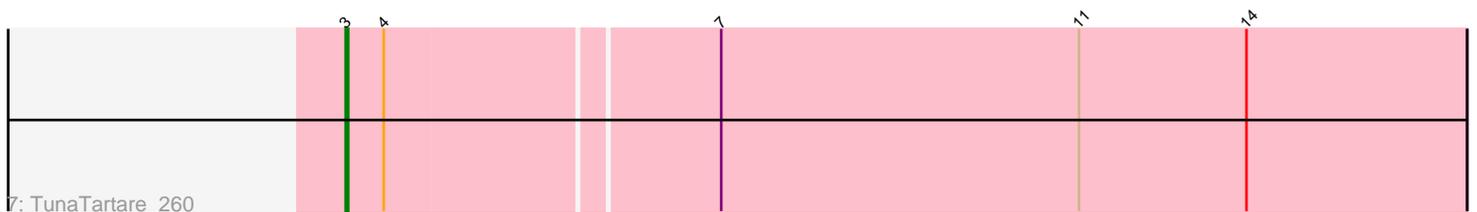
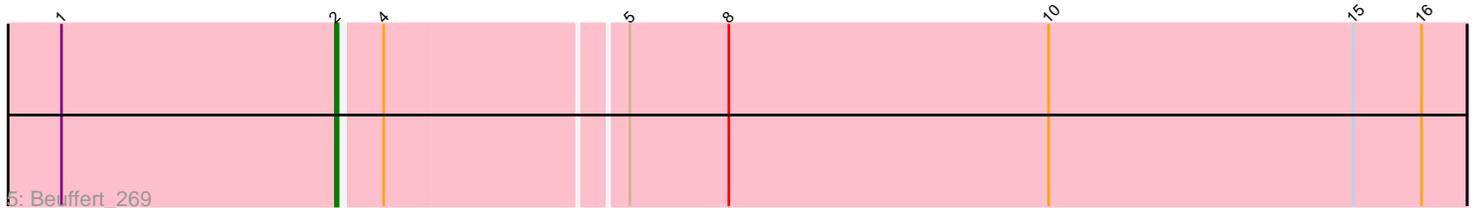
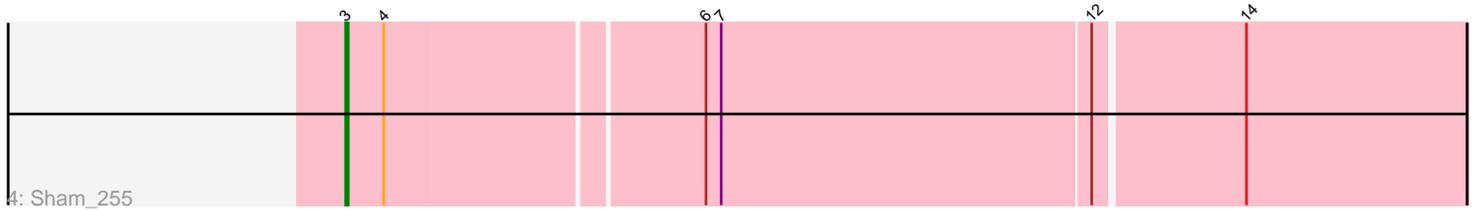
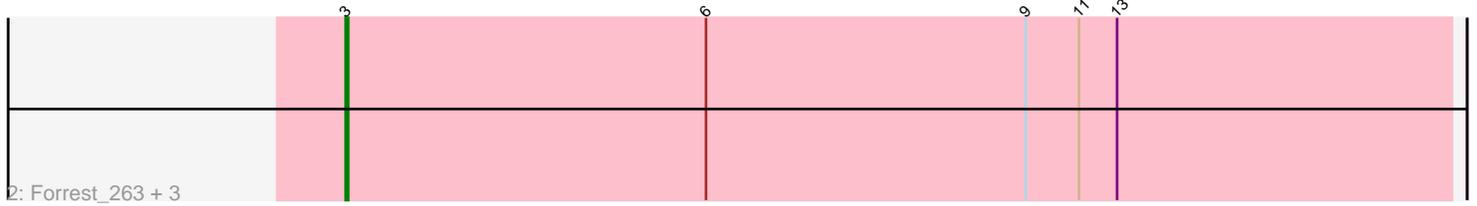
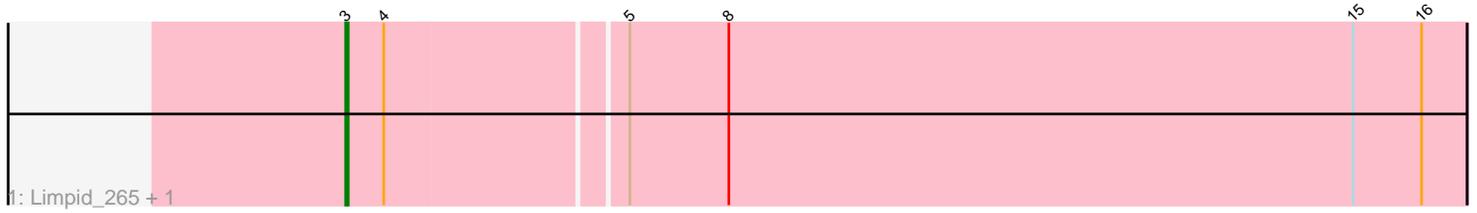


Pham 203516



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 203516 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203516 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Limpid\_265, Annadreamy\_259
- Track 2 : Forrest\_263, Emma1919\_265, Jada\_264, Phredrick\_270
- Track 3 : Blueeyedbeauty\_271
- Track 4 : Sham\_255
- Track 5 : Beuffert\_269
- Track 6 : SeresaTree\_273
- Track 7 : TunaTartare\_260

### ***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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy\_259, Blueeyedbeauty\_271, Emma1919\_265, Forrest\_263, Jada\_264, Limpid\_265, Phredrick\_270, SeresaTree\_273, Sham\_255, TunaTartare\_260,

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

- 

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

- Beuffert\_269,

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

Start 2:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beuffert\_269 (BK1),

Start 3:

- Found in 10 of 11 ( 90.9% ) of genes in pham
- Manual Annotations of this start: 9 of 10

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy\_259 (BK1), Blueeyedbeauty\_271 (BK1), Emma1919\_265 (BK1), Forrest\_263 (BK1), Jada\_264 (BK1), Limpid\_265 (BK1), Phredrick\_270 (BK1), SeresaTree\_273 (BK1), Sham\_255 (BK1), TunaTartare\_260 (BK1),

### **Summary by clusters:**

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 2 was manually annotated 1 time for cluster BK1.
- Start number 3 was manually annotated 9 times for cluster BK1.

### **Gene Information:**

Gene: Annadreamy\_259 Start: 123082, Stop: 123516, Start Num: 3

Candidate Starts for Annadreamy\_259:

(Start: 3 @123082 has 9 MA's), (4, 123097), (5, 123187), (8, 123226), (15, 123472), (16, 123499),

Gene: Beuffert\_269 Start: 127307, Stop: 127741, Start Num: 2

Candidate Starts for Beuffert\_269:

(1, 127199), (Start: 2 @127307 has 1 MA's), (4, 127322), (5, 127412), (8, 127451), (10, 127577), (15, 127697), (16, 127724),

Gene: Blueeyedbeauty\_271 Start: 127676, Stop: 128110, Start Num: 3

Candidate Starts for Blueeyedbeauty\_271:

(Start: 3 @127676 has 9 MA's), (4, 127691), (5, 127781),

Gene: Emma1919\_265 Start: 125807, Stop: 126241, Start Num: 3

Candidate Starts for Emma1919\_265:

(Start: 3 @125807 has 9 MA's), (6, 125948), (9, 126074), (11, 126095), (13, 126110),

Gene: Forrest\_263 Start: 126244, Stop: 126678, Start Num: 3

Candidate Starts for Forrest\_263:

(Start: 3 @126244 has 9 MA's), (6, 126385), (9, 126511), (11, 126532), (13, 126547),

Gene: Jada\_264 Start: 125484, Stop: 125918, Start Num: 3

Candidate Starts for Jada\_264:

(Start: 3 @125484 has 9 MA's), (6, 125625), (9, 125751), (11, 125772), (13, 125787),

Gene: Limpid\_265 Start: 128395, Stop: 128829, Start Num: 3

Candidate Starts for Limpid\_265:

(Start: 3 @128395 has 9 MA's), (4, 128410), (5, 128500), (8, 128539), (15, 128785), (16, 128812),

Gene: Phredrick\_270 Start: 126605, Stop: 127039, Start Num: 3

Candidate Starts for Phredrick\_270:

(Start: 3 @126605 has 9 MA's), (6, 126746), (9, 126872), (11, 126893), (13, 126908),

Gene: SeresaTree\_273 Start: 128254, Stop: 128688, Start Num: 3

Candidate Starts for SeresaTree\_273:

(Start: 3 @128254 has 9 MA's), (4, 128269), (5, 128359), (11, 128536), (16, 128671),

Gene: Sham\_255 Start: 127027, Stop: 127455, Start Num: 3

Candidate Starts for Sham\_255:

(Start: 3 @127027 has 9 MA's), (4, 127042), (6, 127162), (7, 127168), (12, 127312), (14, 127369),

Gene: TunaTartare\_260 Start: 127643, Stop: 128077, Start Num: 3

Candidate Starts for TunaTartare\_260:

(Start: 3 @127643 has 9 MA's), (4, 127658), (7, 127784), (11, 127925), (14, 127991),