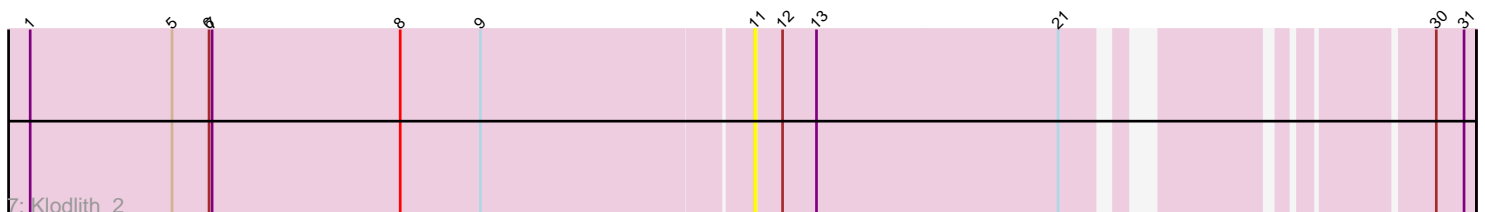
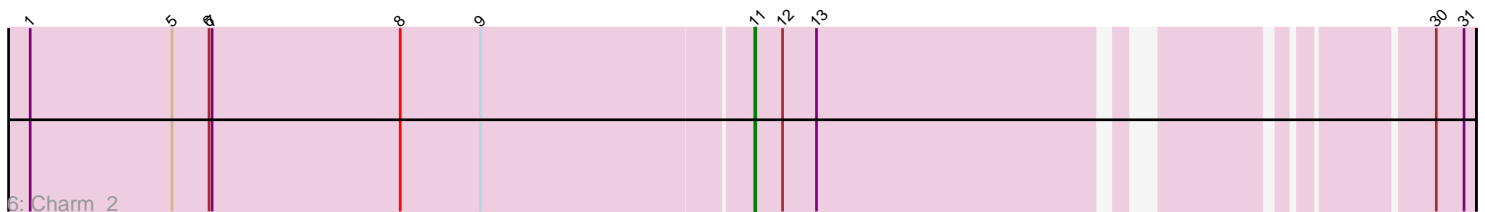
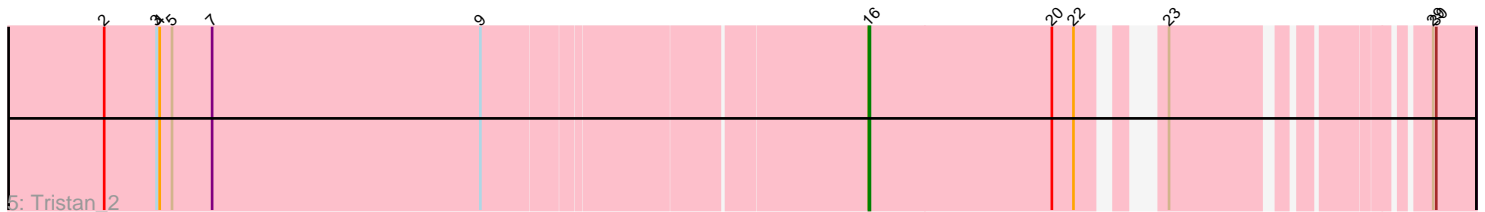
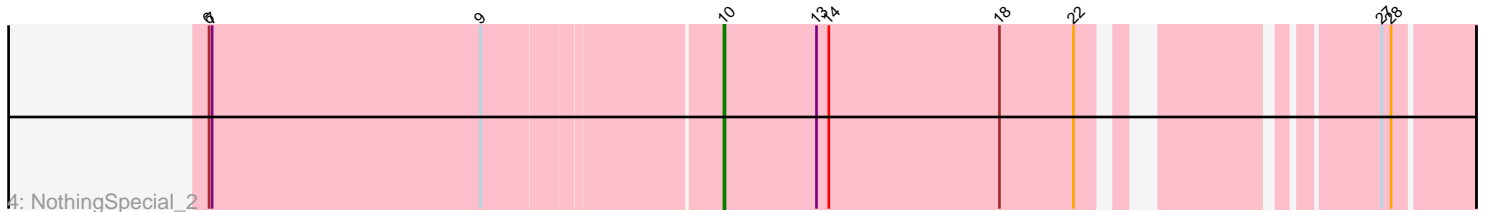
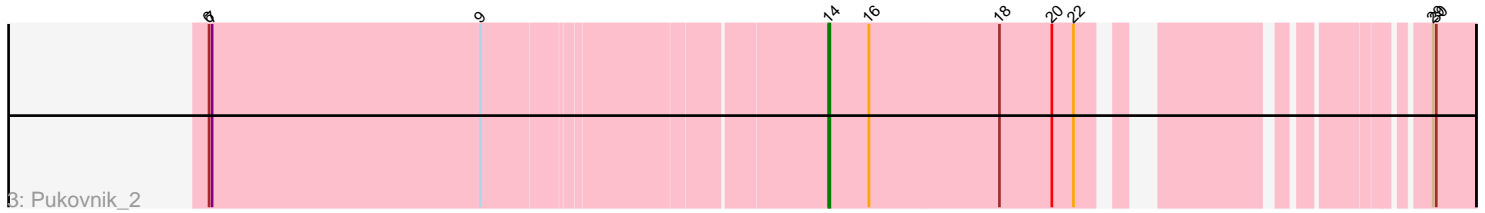
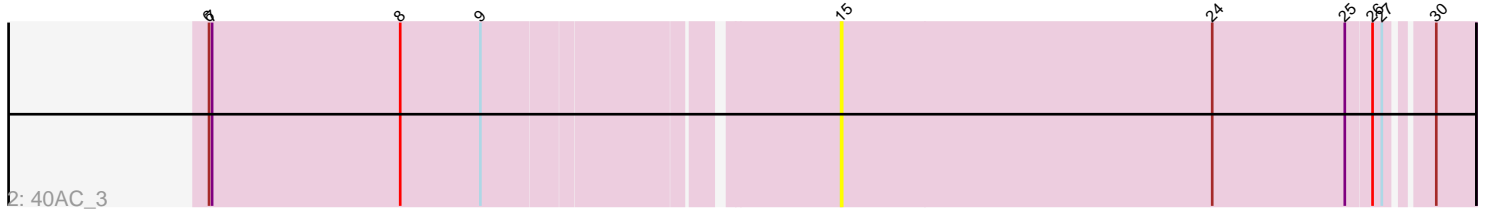


Pham 302006



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 302006 Report

This analysis was run 06/08/26 on database version 649.

Pham number 302006 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Lucyedi\_2, PainterBoy\_2, EagleEye\_2
- Track 2 : 40AC\_3
- Track 3 : Pukovnik\_2
- Track 4 : NothingSpecial\_2
- Track 5 : Tristan\_2
- Track 6 : Charm\_2
- Track 7 : Klodlith\_2

### ***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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EagleEye\_2, Lucyedi\_2, PainterBoy\_2,

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

- 

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

- 40AC\_3, Charm\_2, Klodlith\_2, NothingSpecial\_2, Pukovnik\_2, Tristan\_2,

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

Start 10:

- Found in 1 of 9 ( 11.1% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NothingSpecial\_2 (A2),

Start 11:

- Found in 2 of 9 ( 22.2% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Charm\_2 (A9), Klodlith\_2 (A9),

Start 14:

- Found in 2 of 9 ( 22.2% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Pukovnik\_2 (A2),

Start 15:

- Found in 1 of 9 ( 11.1% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 40AC\_3 (A17),

Start 16:

- Found in 2 of 9 ( 22.2% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Tristan\_2 (A2),

Start 17:

- Found in 3 of 9 ( 33.3% ) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EagleEye\_2 (A16), Lucyedi\_2 (A16), PainterBoy\_2 (A16),

### **Summary by clusters:**

There are 4 clusters represented in this pham: A9, A17, A16, A2,

Info for manual annotations of cluster A16:

- Start number 17 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 10 was manually annotated 1 time for cluster A2.
- Start number 14 was manually annotated 1 time for cluster A2.
- Start number 16 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A9:

- Start number 11 was manually annotated 1 time for cluster A9.

### **Gene Information:**

Gene: 40AC\_3 Start: 1491, Stop: 2084, Start Num: 15

Candidate Starts for 40AC\_3:

(6, 909), (7, 912), (8, 1095), (9, 1173), (15, 1491), (24, 1851), (25, 1980), (26, 2001), (27, 2010), (30, 2046),

Gene: Charm\_2 Start: 1285, Stop: 1893, Start Num: 11

Candidate Starts for Charm\_2:

(1, 589), (5, 727), (6, 763), (7, 766), (8, 949), (9, 1027), (Start: 11 @1285 has 1 MA's), (12, 1309), (13, 1342), (30, 1855), (31, 1882),

Gene: EagleEye\_2 Start: 1437, Stop: 1910, Start Num: 17

Candidate Starts for EagleEye\_2:

(9, 1071), (Start: 17 @1437 has 3 MA's), (19, 1569), (31, 1899),

Gene: Klodlith\_2 Start: 1285, Stop: 1893, Start Num: 11

Candidate Starts for Klodlith\_2:

(1, 589), (5, 727), (6, 763), (7, 766), (8, 949), (9, 1027), (Start: 11 @1285 has 1 MA's), (12, 1309), (13, 1342), (21, 1576), (30, 1855), (31, 1882),

Gene: Lucyedi\_2 Start: 1437, Stop: 1910, Start Num: 17

Candidate Starts for Lucyedi\_2:

(9, 1071), (Start: 17 @1437 has 3 MA's), (19, 1569), (31, 1899),

Gene: NothingSpecial\_2 Start: 1288, Stop: 1932, Start Num: 10

Candidate Starts for NothingSpecial\_2:

(6, 805), (7, 808), (9, 1069), (Start: 10 @1288 has 1 MA's), (13, 1378), (Start: 14 @1390 has 1 MA's), (18, 1555), (22, 1627), (27, 1849), (28, 1858),

Gene: PainterBoy\_2 Start: 1437, Stop: 1910, Start Num: 17

Candidate Starts for PainterBoy\_2:

(9, 1071), (Start: 17 @1437 has 3 MA's), (19, 1569), (31, 1899),

Gene: Pukovnik\_2 Start: 1346, Stop: 1873, Start Num: 14

Candidate Starts for Pukovnik\_2:

(6, 773), (7, 776), (9, 1037), (Start: 14 @1346 has 1 MA's), (Start: 16 @1385 has 1 MA's), (18, 1511), (20, 1562), (22, 1583), (29, 1832), (30, 1835),

Gene: Tristan\_2 Start: 1413, Stop: 1901, Start Num: 16

Candidate Starts for Tristan\_2:

(2, 693), (3, 744), (4, 747), (5, 759), (7, 798), (9, 1059), (Start: 16 @1413 has 1 MA's), (20, 1590), (22, 1611), (23, 1656), (29, 1860), (30, 1863),