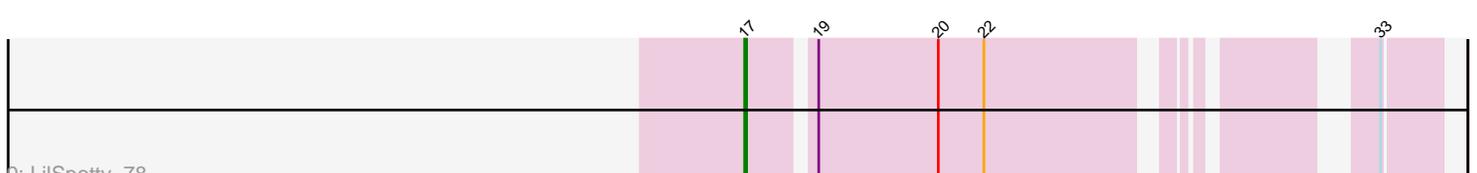
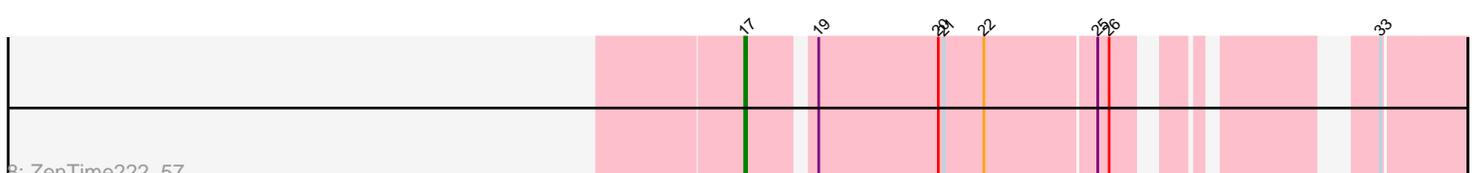
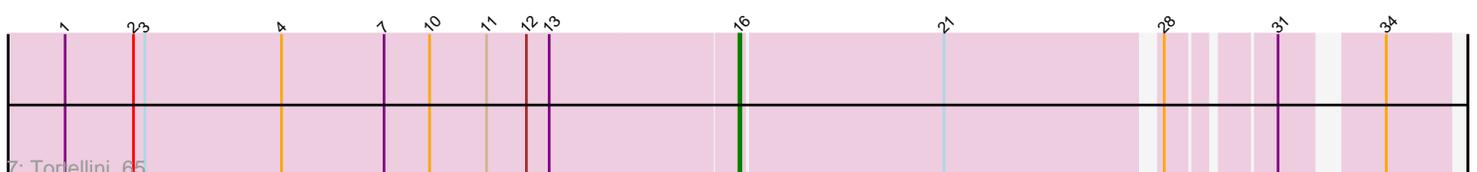
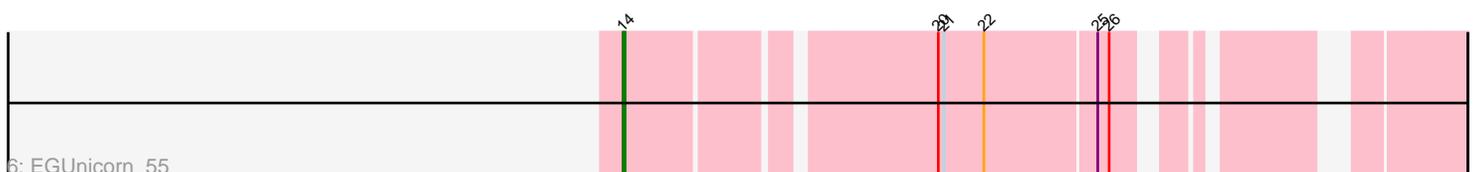
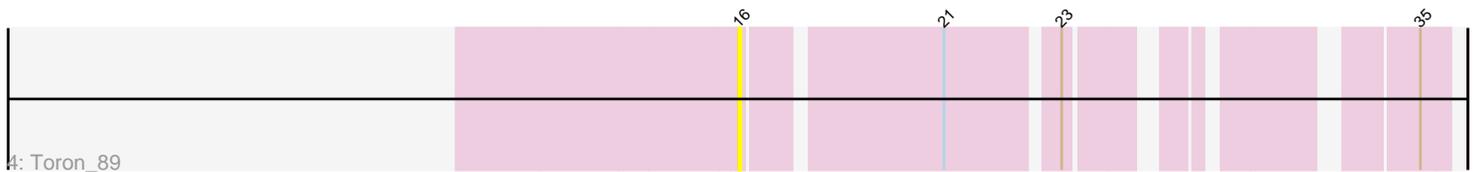
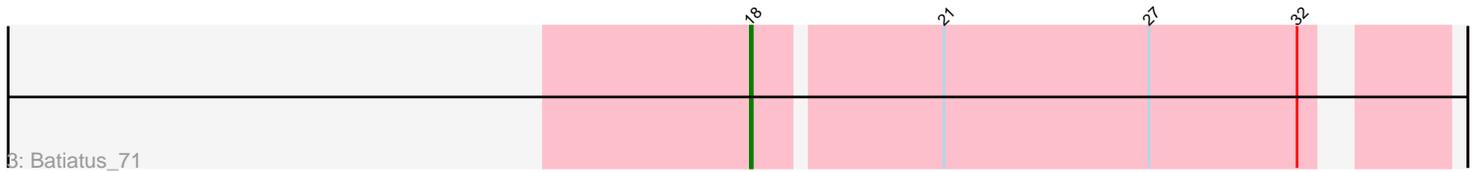
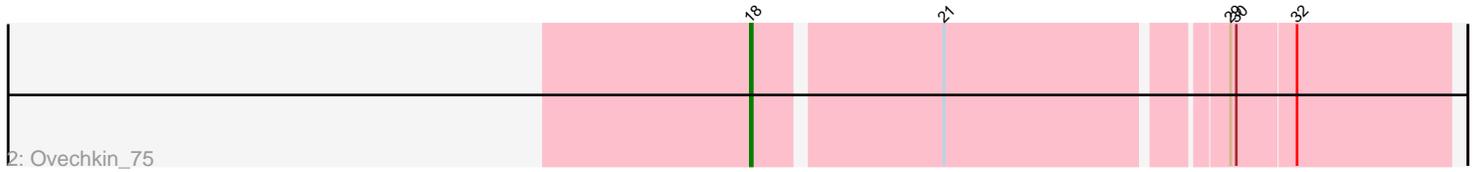
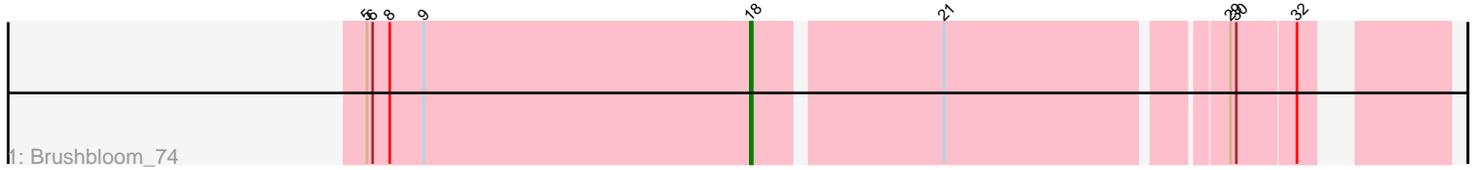


Pham 291789



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 291789 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291789 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Brushbloom_74
- Track 2 : Ovechkin_75
- Track 3 : Batiatus_71
- Track 4 : Toron_89
- Track 5 : Rebel_55
- Track 6 : EGUnicorn_55
- Track 7 : Tortellini_65
- Track 8 : ZenTime222_57
- Track 9 : LilSpotty_78

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

The start number called the most often in the published annotations is 18, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Batiatus_71, Brushbloom_74, Ovechkin_75,

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

-

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

- EGUnicorn_55, LilSpotty_78, Rebel_55, Toron_89, Tortellini_65, ZenTime222_57,

Summary by start number:

Start 14:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EGUnicorn_55 (N),

Start 16:

- Found in 3 of 9 (33.3%) of genes in pham

- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rebel_55 (N), Toron_89 (F6), Tortellini_65 (P2),

Start 17:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_78 (singleton), ZenTime222_57 (T),

Start 18:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Batiatus_71 (F1), Brushbloom_74 (F1), Ovechkin_75 (F1),

Summary by clusters:

There are 6 clusters represented in this pham: P2, F1, singleton, F6, N, T,

Info for manual annotations of cluster F1:

- Start number 18 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster N:

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

Info for manual annotations of cluster P2:

- Start number 16 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster T:

- Start number 17 was manually annotated 1 time for cluster T.

Gene Information:

Gene: Batiatus_71 Start: 45087, Stop: 45425, Start Num: 18

Candidate Starts for Batiatus_71:

(Start: 18 @45087 has 3 MA's), (21, 45180), (27, 45288), (32, 45366),

Gene: Brushbloom_74 Start: 46019, Stop: 46342, Start Num: 18

Candidate Starts for Brushbloom_74:

(5, 45821), (6, 45824), (8, 45833), (9, 45851), (Start: 18 @46019 has 3 MA's), (21, 46112), (29, 46250), (30, 46253), (32, 46283),

Gene: EGUicorn_55 Start: 36707, Stop: 37078, Start Num: 14

Candidate Starts for EGUicorn_55:

(Start: 14 @36707 has 1 MA's), (20, 36854), (21, 36857), (22, 36878), (25, 36935), (26, 36941),

Gene: LilSpotty_78 Start: 45396, Stop: 45701, Start Num: 17

Candidate Starts for LilSpotty_78:

(Start: 17 @45396 has 2 MA's), (19, 45426), (20, 45489), (22, 45513), (33, 45672),

Gene: Ovechkin_75 Start: 46310, Stop: 46654, Start Num: 18

Candidate Starts for Ovechkin_75:

(Start: 18 @46310 has 3 MA's), (21, 46403), (29, 46541), (30, 46544), (32, 46574),

Gene: Rebel_55 Start: 35427, Stop: 35744, Start Num: 16

Candidate Starts for Rebel_55:

(15, 35397), (Start: 16 @35427 has 2 MA's), (21, 35526), (24, 35583), (35, 35730),

Gene: Toron_89 Start: 52551, Stop: 52856, Start Num: 16

Candidate Starts for Toron_89:

(Start: 16 @52551 has 2 MA's), (21, 52647), (23, 52701), (35, 52842),

Gene: Tortellini_65 Start: 44207, Stop: 44539, Start Num: 16

Candidate Starts for Tortellini_65:

(1, 43856), (2, 43892), (3, 43898), (4, 43970), (7, 44024), (10, 44048), (11, 44078), (12, 44099), (13, 44111), (Start: 16 @44207 has 2 MA's), (21, 44312), (28, 44417), (31, 44465), (34, 44507),

Gene: ZenTime222_57 Start: 39491, Stop: 39808, Start Num: 17

Candidate Starts for ZenTime222_57:

(Start: 17 @39491 has 2 MA's), (19, 39521), (20, 39584), (21, 39587), (22, 39608), (25, 39665), (26, 39671), (33, 39767),