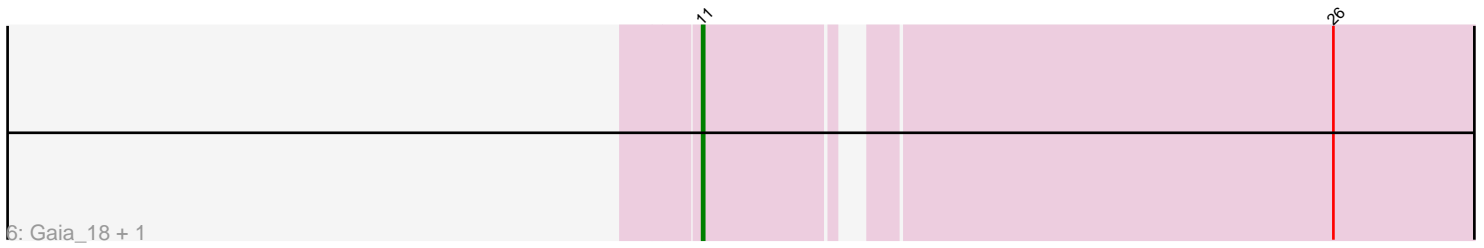
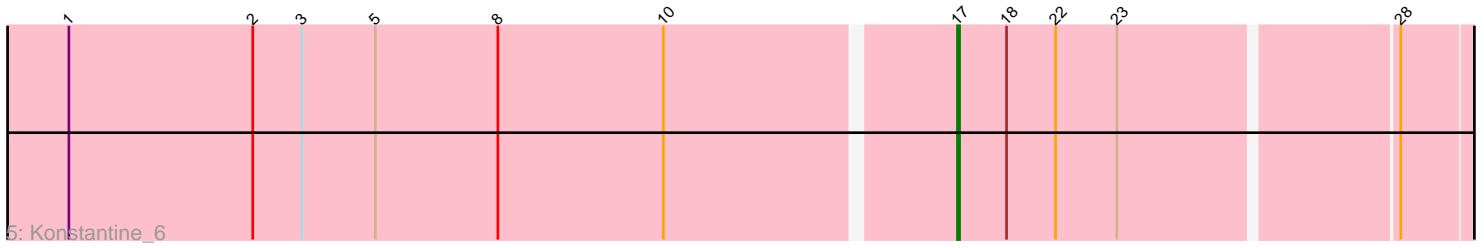
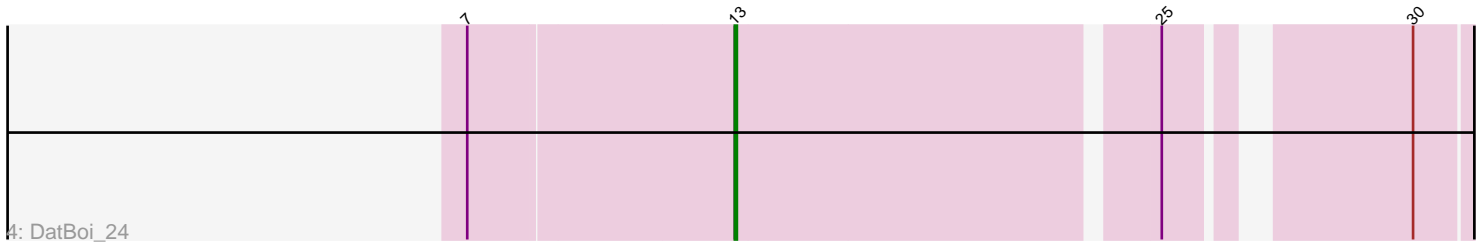
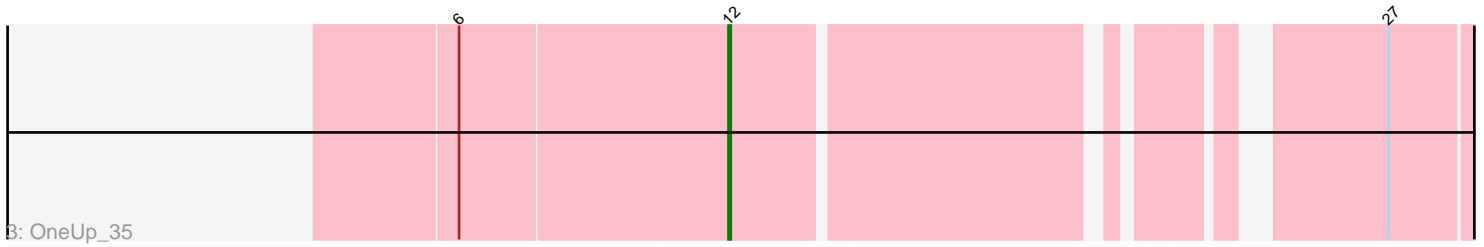
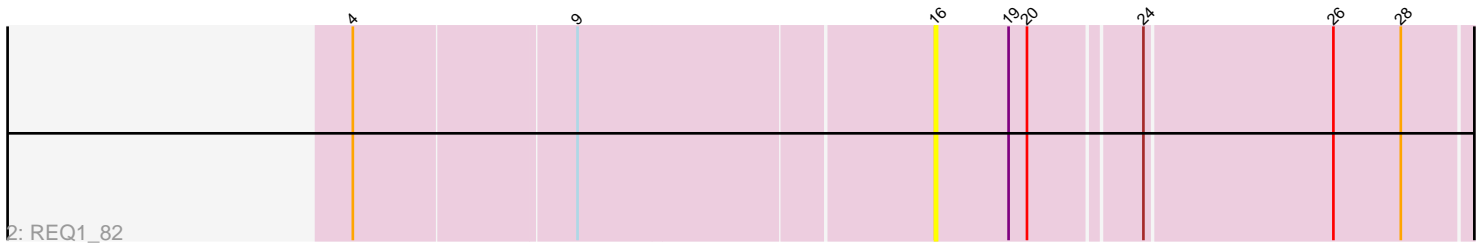
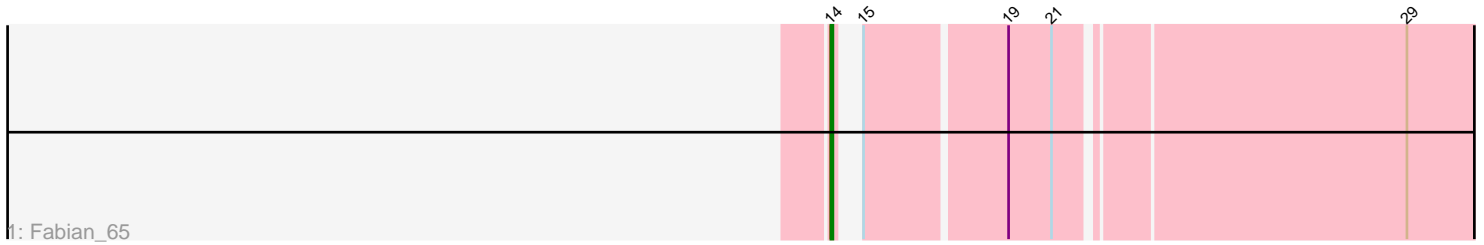


Pham 209296



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 209296 Report

This analysis was run 02/22/25 on database version 588.

Pham number 209296 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Fabian\_65
- Track 2 : REQ1\_82
- Track 3 : OneUp\_35
- Track 4 : DatBoi\_24
- Track 5 : Konstantine\_6
- Track 6 : Gaia\_18, Nebkiss\_19

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

The start number called the most often in the published annotations is 11, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gaia\_18, Nebkiss\_19,

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

- 

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

- DatBoi\_24, Fabian\_65, Konstantine\_6, OneUp\_35, REQ1\_82,

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

Start 11:

- Found in 2 of 7 ( 28.6% ) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia\_18 (X), Nebkiss\_19 (X),

Start 12:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OneUp\_35 (CQ2),

Start 13:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DatBoi\_24 (DL),

Start 14:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fabian\_65 (BF),

Start 16:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: REQ1\_82 (CF),

Start 17:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Konstantine\_6 (H1),

**Summary by clusters:**

There are 6 clusters represented in this pham: BF, H1, DL, CF, X, CQ2,

Info for manual annotations of cluster BF:

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

Info for manual annotations of cluster CQ2:

- Start number 12 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DL:

- Start number 13 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster H1:

- Start number 17 was manually annotated 1 time for cluster H1.

Info for manual annotations of cluster X:

- Start number 11 was manually annotated 2 times for cluster X.

**Gene Information:**

Gene: DatBoi\_24 Start: 15695, Stop: 16030, Start Num: 13

Candidate Starts for DatBoi\_24:

(7, 15569), (Start: 13 @15695 has 1 MA's), (25, 15890), (30, 15989),

Gene: Fabian\_65 Start: 36190, Stop: 36489, Start Num: 14

Candidate Starts for Fabian\_65:

(Start: 14 @36190 has 1 MA's), (15, 36193), (19, 36259), (21, 36280), (29, 36442),

Gene: Gaia\_18 Start: 17322, Stop: 17690, Start Num: 11

Candidate Starts for Gaia\_18:

(Start: 11 @17322 has 2 MA's), (26, 17610),

Gene: Konstantine\_6 Start: 4385, Stop: 4636, Start Num: 17

Candidate Starts for Konstantine\_6:

(1, 3959), (2, 4049), (3, 4073), (5, 4109), (8, 4169), (10, 4250), (Start: 17 @4385 has 1 MA's), (18, 4409), (22, 4433), (23, 4463), (28, 4592),

Gene: Nebkiss\_19 Start: 17323, Stop: 17691, Start Num: 11

Candidate Starts for Nebkiss\_19:

(Start: 11 @17323 has 2 MA's), (26, 17611),

Gene: OneUp\_35 Start: 15247, Stop: 15564, Start Num: 12

Candidate Starts for OneUp\_35:

(6, 15118), (Start: 12 @15247 has 1 MA's), (27, 15517),

Gene: REQ1\_82 Start: 49241, Stop: 49534, Start Num: 16

Candidate Starts for REQ1\_82:

(4, 48968), (9, 49073), (16, 49241), (19, 49277), (20, 49286), (24, 49337), (26, 49427), (28, 49460),