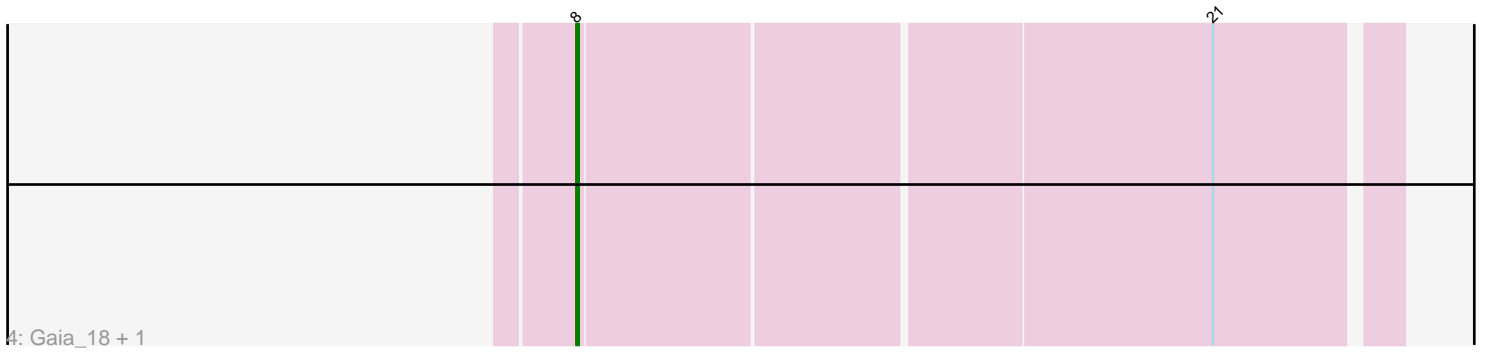# Pham 225307
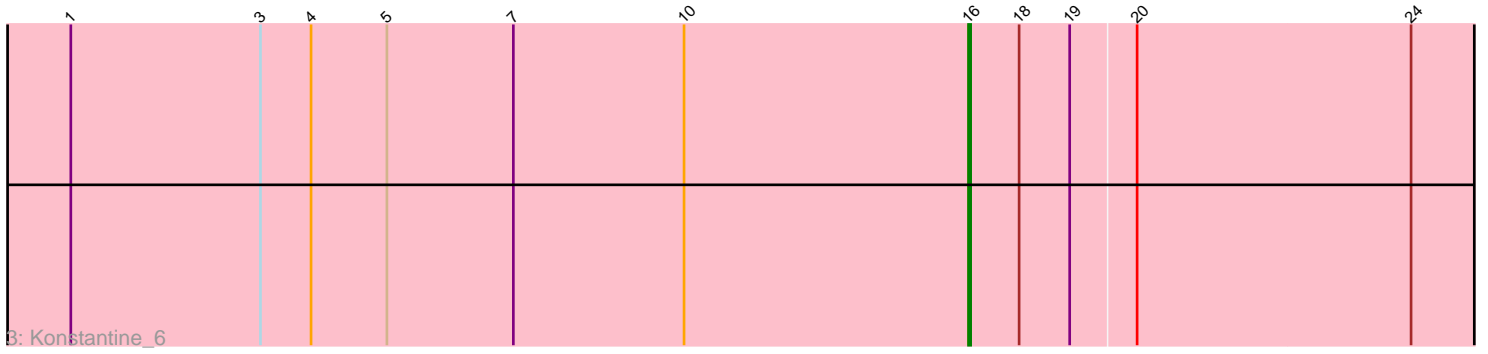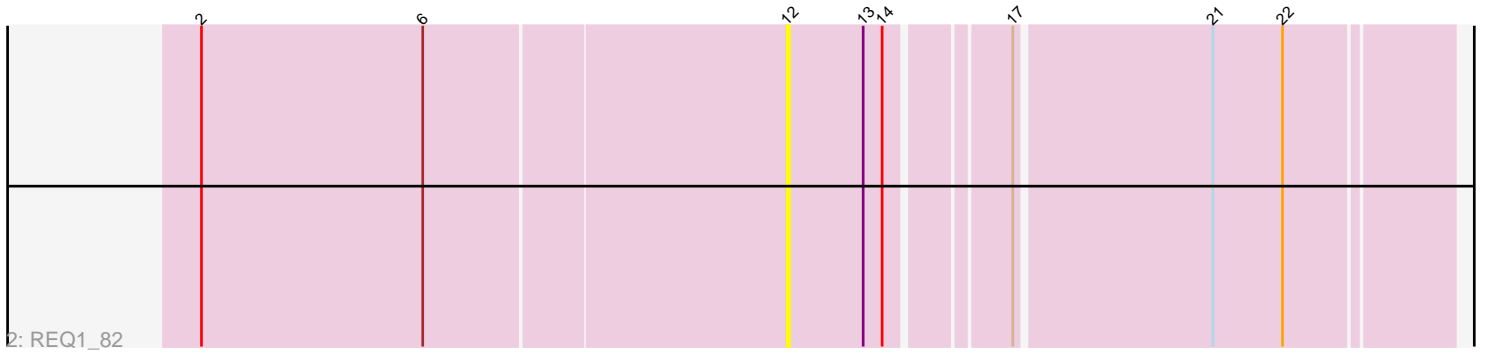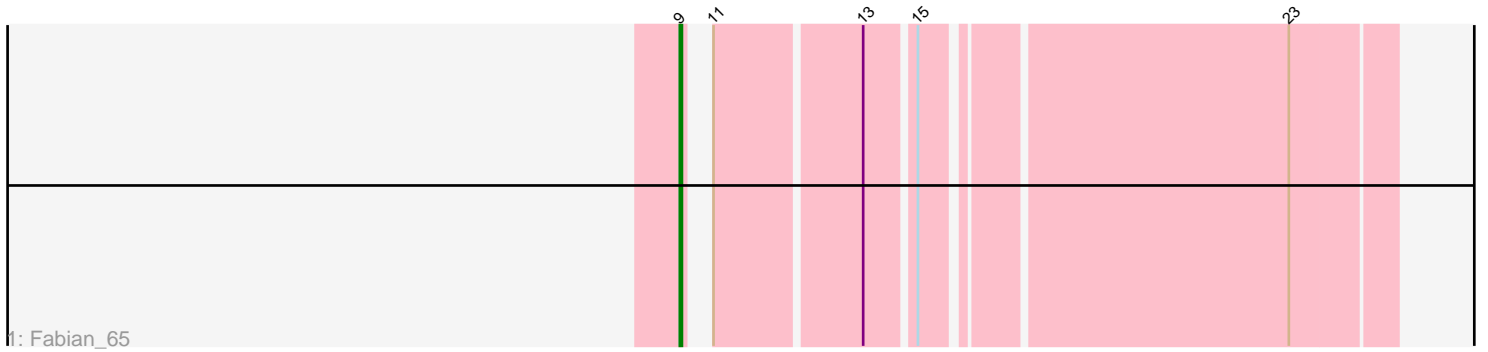


1: Fabian_65

2: REQ1_82

3: Konstantine_6

4: Gaia_18 + 1

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 225307 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225307 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Fabian_65
• Track 2 : REQ1_82
• Track 3 : Konstantine_6
• Track 4 : 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 8, it was called in 2 of the 4 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:
• Fabian_65, Konstantine_6, REQ1_82,

**Summary by start number:**

Start 8:
• Found in 2 of 5 ( 40.0% ) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_18 (X), Nebkiss_19 (X),

Start 9:
• Found in 1 of 5 ( 20.0% ) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fabian_65 (BF),

Start 12:

- Found in 1 of 5 ( 20.0% ) 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 16:
- Found in 1 of 5 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Konstantine_6 (H1),

## Summary by clusters:

There are 4 clusters represented in this pham: X, BF, H1, CF,

Info for manual annotations of cluster BF:
•Start number 9 was manually annotated 1 time for cluster BF.


Info for manual annotations of cluster H1:
•Start number 16 was manually annotated 1 time for cluster H1.

Info for manual annotations of cluster X:
•Start number 8 was manually annotated 2 times for cluster X.


### *Gene Information:*

Gene: Fabian_65 Start: 36190, Stop: 36489, Start Num: 9
Candidate Starts for Fabian_65:
(Start: 9 @36190 has 1 MA's), (11, 36193), (13, 36259), (15, 36280), (23, 36442),

Gene: Gaia_18 Start: 17322, Stop: 17690, Start Num: 8
Candidate Starts for Gaia_18:
(Start: 8 @17322 has 2 MA's), (21, 17610),

Gene: Konstantine_6 Start: 4385, Stop: 4636, Start Num: 16
Candidate Starts for Konstantine_6:
(1, 3959), (3, 4049), (4, 4073), (5, 4109), (7, 4169), (10, 4250), (Start: 16 @4385 has 1 MA's), (18, 4409), (19, 4433), (20, 4463), (24, 4592),

Gene: Nebkiss_19 Start: 17323, Stop: 17691, Start Num: 8
Candidate Starts for Nebkiss_19:
(Start: 8 @17323 has 2 MA's), (21, 17611),

Gene: REQ1_82 Start: 49241, Stop: 49534, Start Num: 12
Candidate Starts for REQ1_82:
(2, 48968), (6, 49073), (12, 49241), (13, 49277), (14, 49286), (17, 49337), (21, 49427), (22, 49460),