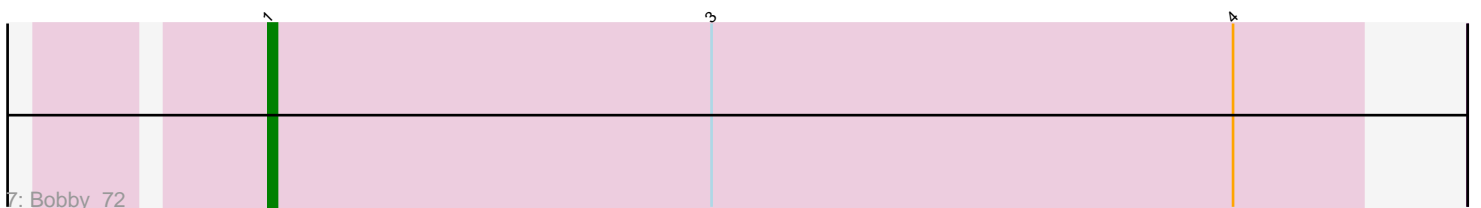
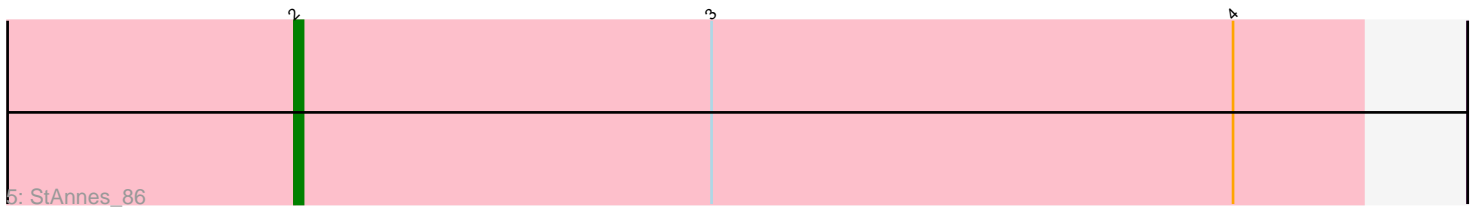
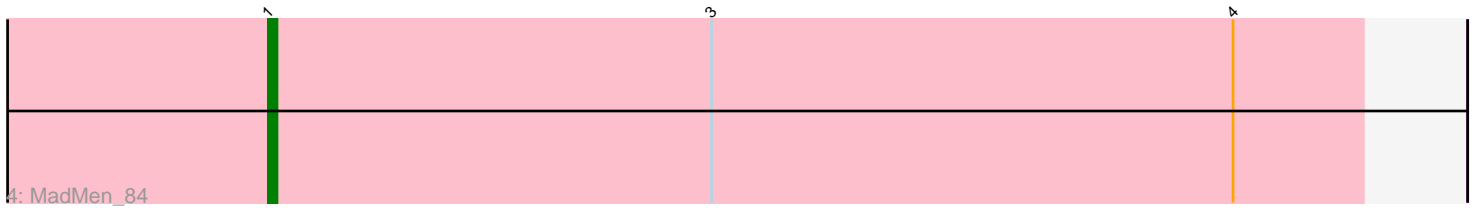
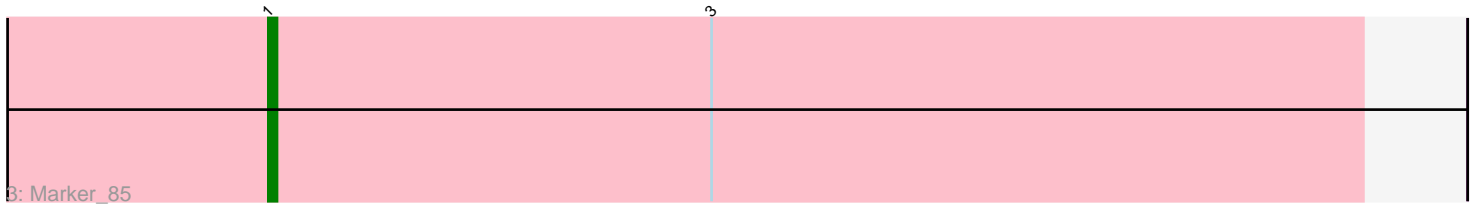
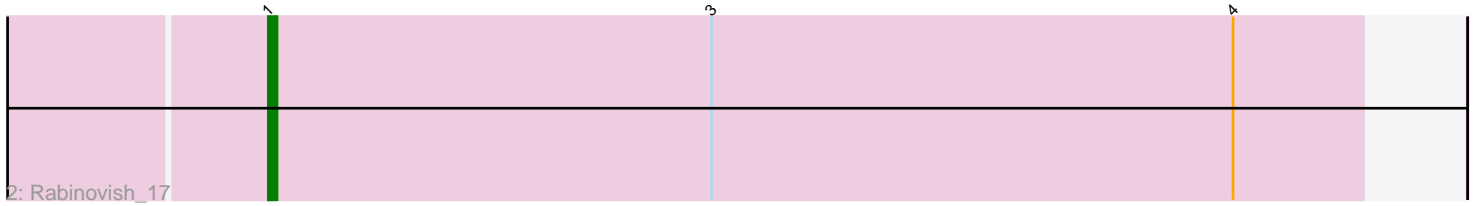
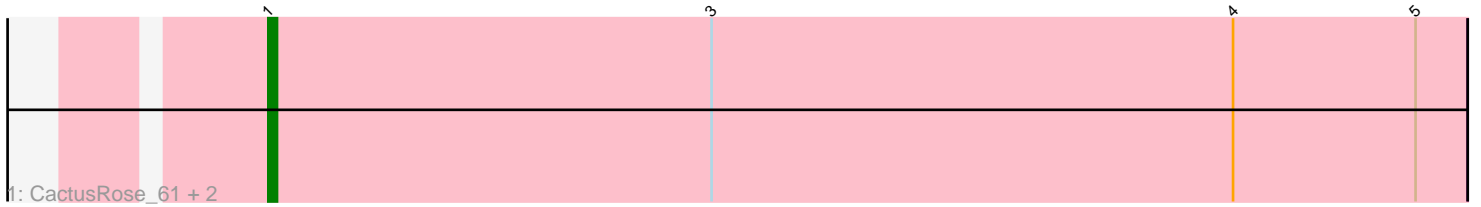


Pham 297233



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 297233 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297233 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : CactusRose_61, Levia_59, PhineBark_61
- Track 2 : Rabinovish_17
- Track 3 : Marker_85
- Track 4 : MadMen_84
- Track 5 : StAnnes_86
- Track 6 : Hidrated_68
- Track 7 : Bobby_72

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bobby_72, CactusRose_61, Hidrated_68, Levia_59, MadMen_84, Marker_85, PhineBark_61, Rabinovish_17,

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

-

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

- StAnnes_86,

Summary by start number:

Start 1:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bobby_72 (J), CactusRose_61 (A1), Hidrated_68 (J), Levia_59 (A1), MadMen_84 (F1), Marker_85 (F1), PhineBark_61 (A1), Rabinovish_17 (C1),

Start 2:

- 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: StAnnes_86 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: A1, F1, C1, J,

Info for manual annotations of cluster A1:

- Start number 1 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster C1:

- Start number 1 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster F1:

- Start number 1 was manually annotated 2 times for cluster F1.
- Start number 2 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster J:

- Start number 1 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Bobby_72 Start: 49927, Stop: 49802, Start Num: 1

Candidate Starts for Bobby_72:

(Start: 1 @49927 has 7 MA's), (3, 49876), (4, 49816),

Gene: CactusRose_61 Start: 40911, Stop: 40774, Start Num: 1

Candidate Starts for CactusRose_61:

(Start: 1 @40911 has 7 MA's), (3, 40860), (4, 40800), (5, 40779),

Gene: Hidrated_68 Start: 49760, Stop: 49635, Start Num: 1

Candidate Starts for Hidrated_68:

(Start: 1 @49760 has 7 MA's), (3, 49709), (4, 49649),

Gene: Levia_59 Start: 40266, Stop: 40129, Start Num: 1

Candidate Starts for Levia_59:

(Start: 1 @40266 has 7 MA's), (3, 40215), (4, 40155), (5, 40134),

Gene: MadMen_84 Start: 49021, Stop: 49146, Start Num: 1

Candidate Starts for MadMen_84:

(Start: 1 @49021 has 7 MA's), (3, 49072), (4, 49132),

Gene: Marker_85 Start: 49069, Stop: 49194, Start Num: 1

Candidate Starts for Marker_85:

(Start: 1 @49069 has 7 MA's), (3, 49120),

Gene: PhineBark_61 Start: 41284, Stop: 41147, Start Num: 1

Candidate Starts for PhineBark_61:

(Start: 1 @41284 has 7 MA's), (3, 41233), (4, 41173), (5, 41152),

Gene: Rabinovish_17 Start: 6899, Stop: 7024, Start Num: 1
Candidate Starts for Rabinovish_17:
(Start: 1 @6899 has 7 MA's), (3, 6950), (4, 7010),

Gene: StAnnes_86 Start: 50832, Stop: 50954, Start Num: 2
Candidate Starts for StAnnes_86:
(Start: 2 @50832 has 1 MA's), (3, 50880), (4, 50940),