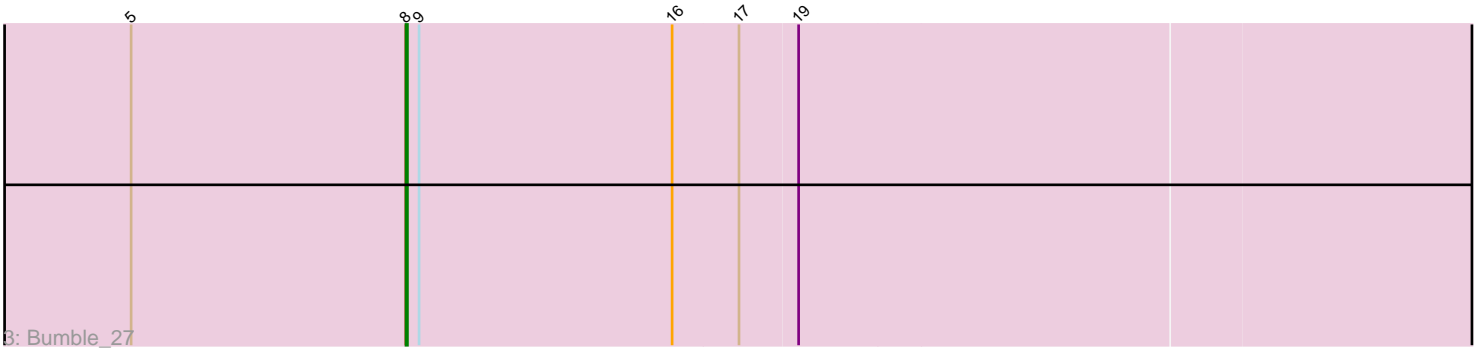
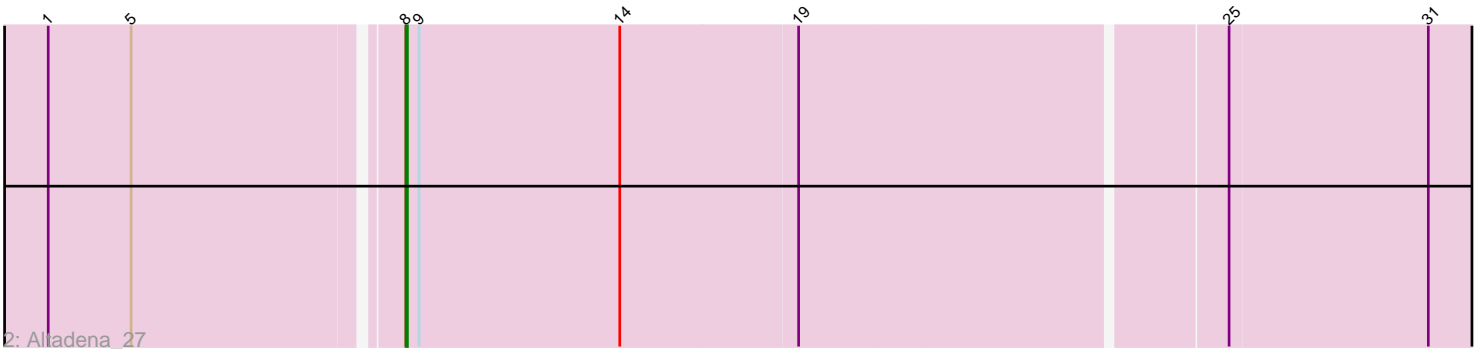
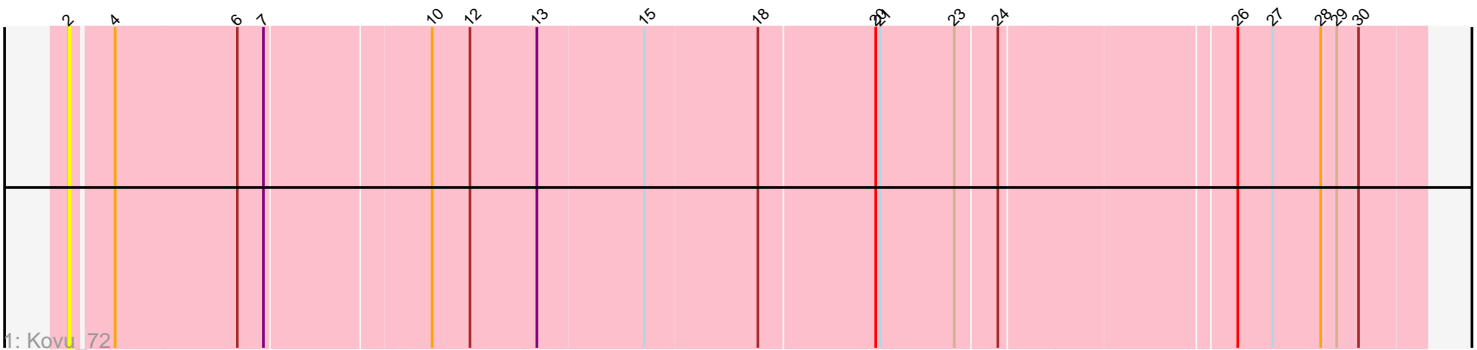


Pham 88851



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 88851 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88851 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kovu_72
- Track 2 : Altadena_27
- Track 3 : Bumble_27
- Track 4 : Kharcho_50, Ottawa_50

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Kharcho_50, Ottawa_50,

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

-

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

- Altadena_27, Bumble_27, Kovu_72,

Summary by start number:

Start 2:

- 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: Kovu_72 (AL),

Start 3:

- 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: Kharcho_50 (FM), Ottawa_50 (FM),

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: Altadena_27 (FH), Bumble_27 (FH),

Summary by clusters:

There are 3 clusters represented in this pham: FH, FM, AL,

Info for manual annotations of cluster FH:

- Start number 8 was manually annotated 2 times for cluster FH.

Info for manual annotations of cluster FM:

- Start number 3 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: Altadena_27 Start: 22676, Stop: 23449, Start Num: 8

Candidate Starts for Altadena_27:

(1, 22445), (5, 22502), (Start: 8 @22676 has 2 MA's), (9, 22685), (14, 22823), (19, 22943), (25, 23225), (31, 23360),

Gene: Bumble_27 Start: 22565, Stop: 23347, Start Num: 8

Candidate Starts for Bumble_27:

(5, 22376), (Start: 8 @22565 has 2 MA's), (9, 22574), (16, 22748), (17, 22793), (19, 22832),

Gene: Kharcho_50 Start: 27419, Stop: 28264, Start Num: 3

Candidate Starts for Kharcho_50:

(Start: 3 @27419 has 2 MA's), (9, 27635), (11, 27662), (22, 27968), (23, 27992), (24, 28019),

Gene: Kovu_72 Start: 45436, Stop: 46323, Start Num: 2

Candidate Starts for Kovu_72:

(2, 45436), (4, 45463), (6, 45544), (7, 45562), (10, 45670), (12, 45694), (13, 45739), (15, 45811), (18, 45886), (20, 45964), (21, 45967), (23, 46018), (24, 46045), (26, 46198), (27, 46222), (28, 46255), (29, 46264), (30, 46279),

Gene: Ottawa_50 Start: 27417, Stop: 28262, Start Num: 3

Candidate Starts for Ottawa_50:

(Start: 3 @27417 has 2 MA's), (9, 27633), (11, 27660), (22, 27966), (23, 27990), (24, 28017),