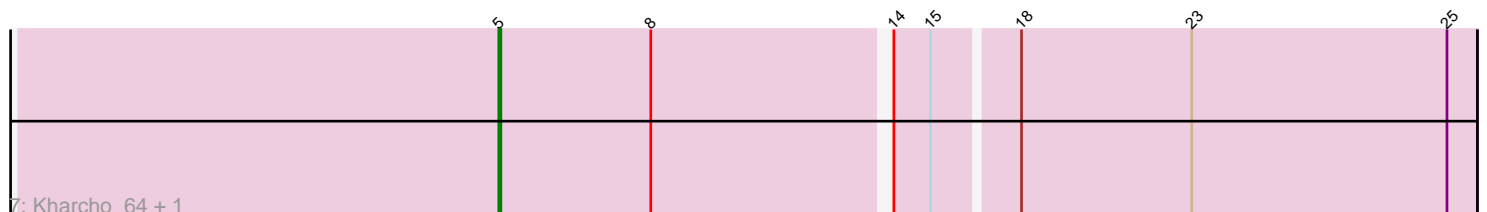
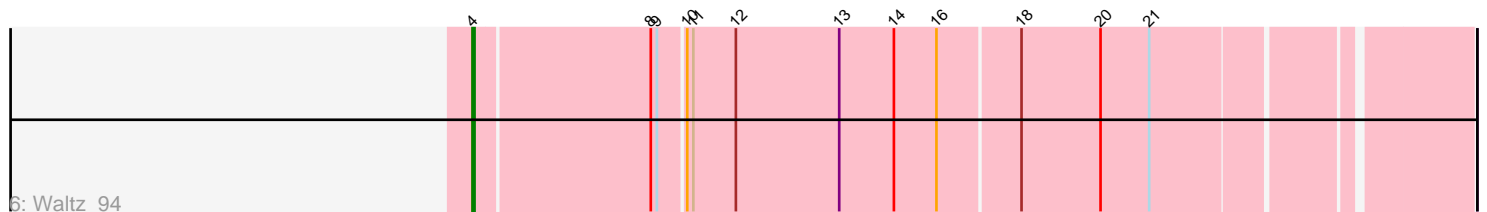
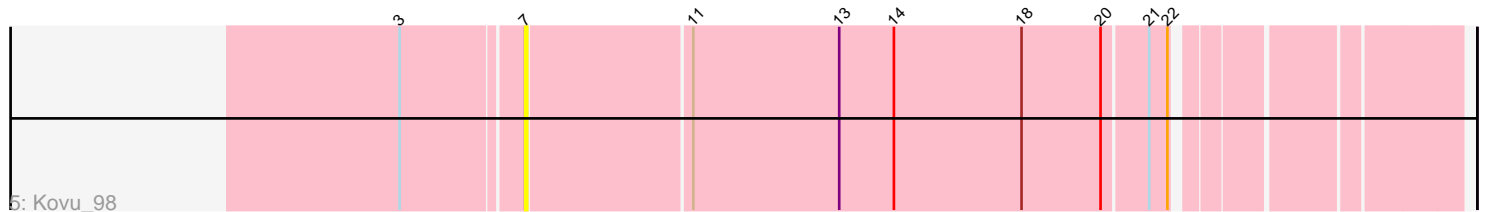
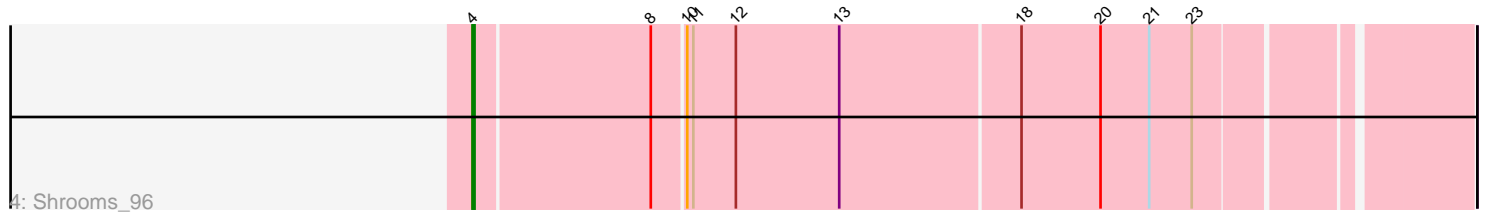
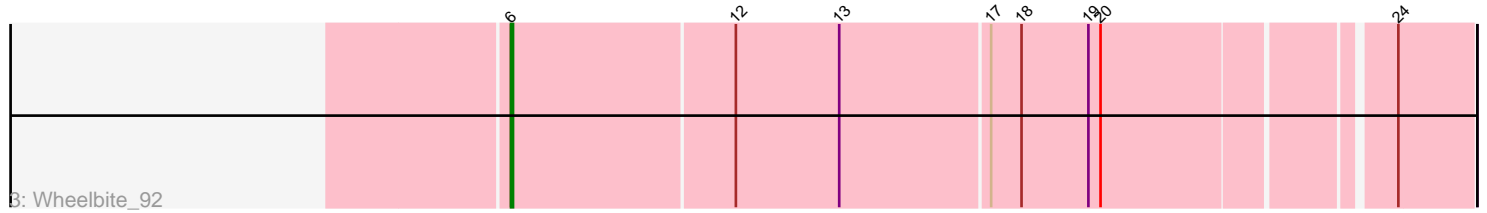
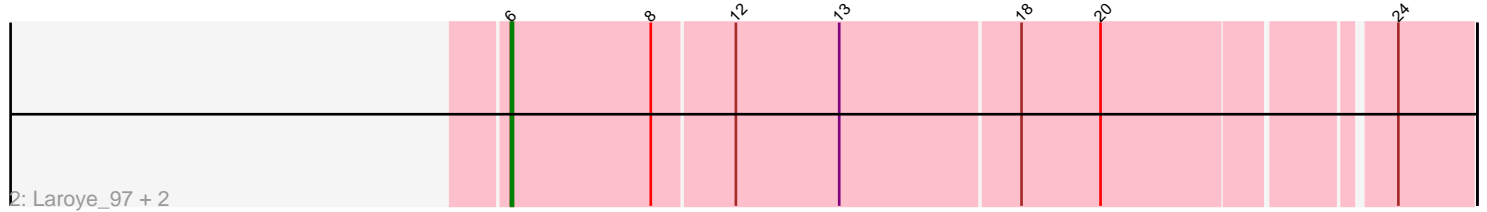
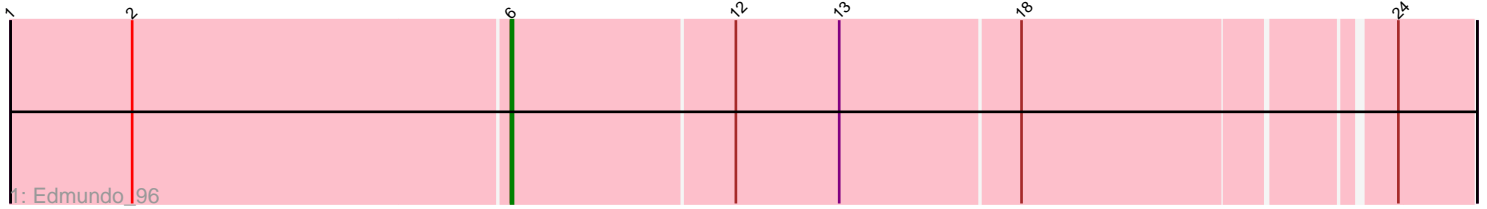


Pham 5910



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 5910 Report

This analysis was run 07/09/24 on database version 566.

Pham number 5910 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Edmundo_96
- Track 2 : Laroye_97, LiSara_94, Salgado_97
- Track 3 : Wheelbite_92
- Track 4 : Shrooms_96
- Track 5 : Kovu_98
- Track 6 : Waltz_94
- Track 7 : Kharcho_64, Ottawa_64

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Edmundo_96, Laroye_97, LiSara_94, Salgado_97, Wheelbite_92,

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

-

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

- Kharcho_64, Kovu_98, Ottawa_64, Shrooms_96, Waltz_94,

Summary by start number:

Start 4:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shrooms_96 (AL), Waltz_94 (AL),

Start 5:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Kharcho_64 (FM), Ottawa_64 (FM),

Start 6:

- Found in 5 of 10 (50.0%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Edmundo_96 (AL), Laroye_97 (AL), LiSara_94 (AL), Salgado_97 (AL), Wheelbite_92 (AL),

Start 7:

- Found in 1 of 10 (10.0%) 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_98 (AL),

Summary by clusters:

There are 2 clusters represented in this pham: AL, FM,

Info for manual annotations of cluster AL:

- Start number 4 was manually annotated 2 times for cluster AL.
- Start number 6 was manually annotated 5 times for cluster AL.

Info for manual annotations of cluster FM:

- Start number 5 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: Edmundo_96 Start: 57546, Stop: 57998, Start Num: 6

Candidate Starts for Edmundo_96:

(1, 57303), (2, 57363), (Start: 6 @57546 has 5 MA's), (12, 57654), (13, 57705), (18, 57792), (24, 57963),

Gene: Kharcho_64 Start: 36843, Stop: 37310, Start Num: 5

Candidate Starts for Kharcho_64:

(Start: 5 @36843 has 2 MA's), (8, 36918), (14, 37029), (15, 37047), (18, 37086), (23, 37170), (25, 37296),

Gene: Kovu_98 Start: 57881, Stop: 58312, Start Num: 7

Candidate Starts for Kovu_98:

(3, 57824), (7, 57881), (11, 57959), (13, 58031), (14, 58058), (18, 58121), (20, 58160), (21, 58181), (22, 58190),

Gene: Laroye_97 Start: 57357, Stop: 57809, Start Num: 6

Candidate Starts for Laroye_97:

(Start: 6 @57357 has 5 MA's), (8, 57426), (12, 57465), (13, 57516), (18, 57603), (20, 57642), (24, 57774),

Gene: LiSara_94 Start: 57489, Stop: 57941, Start Num: 6

Candidate Starts for LiSara_94:

(Start: 6 @57489 has 5 MA's), (8, 57558), (12, 57597), (13, 57648), (18, 57735), (20, 57774), (24, 57906),

Gene: Ottawa_64 Start: 36793, Stop: 37260, Start Num: 5

Candidate Starts for Ottawa_64:

(Start: 5 @36793 has 2 MA's), (8, 36868), (14, 36979), (15, 36997), (18, 37036), (23, 37120), (25, 37246),

Gene: Salgado_97 Start: 57159, Stop: 57611, Start Num: 6

Candidate Starts for Salgado_97:

(Start: 6 @57159 has 5 MA's), (8, 57228), (12, 57267), (13, 57318), (18, 57405), (20, 57444), (24, 57576),

Gene: Shrooms_96 Start: 56980, Stop: 57447, Start Num: 4

Candidate Starts for Shrooms_96:

(Start: 4 @56980 has 2 MA's), (8, 57064), (10, 57079), (11, 57082), (12, 57103), (13, 57154), (18, 57241), (20, 57280), (21, 57304), (23, 57325),

Gene: Waltz_94 Start: 55766, Stop: 56233, Start Num: 4

Candidate Starts for Waltz_94:

(Start: 4 @55766 has 2 MA's), (8, 55850), (9, 55853), (10, 55865), (11, 55868), (12, 55889), (13, 55940), (14, 55967), (16, 55988), (18, 56027), (20, 56066), (21, 56090),

Gene: Wheelbite_92 Start: 57234, Stop: 57686, Start Num: 6

Candidate Starts for Wheelbite_92:

(Start: 6 @57234 has 5 MA's), (12, 57342), (13, 57393), (17, 57465), (18, 57480), (19, 57513), (20, 57519), (24, 57651),