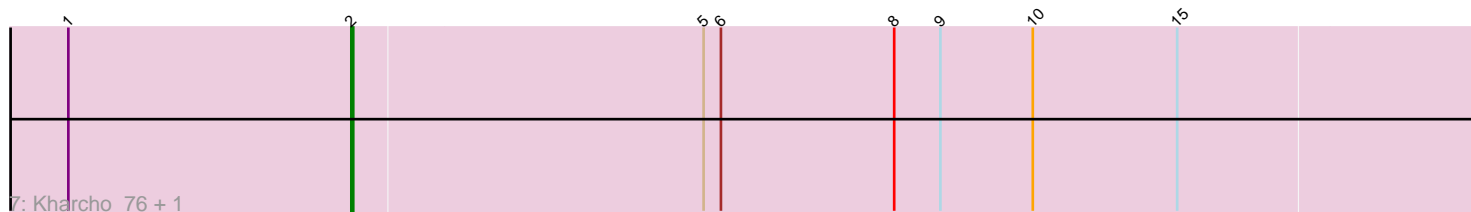
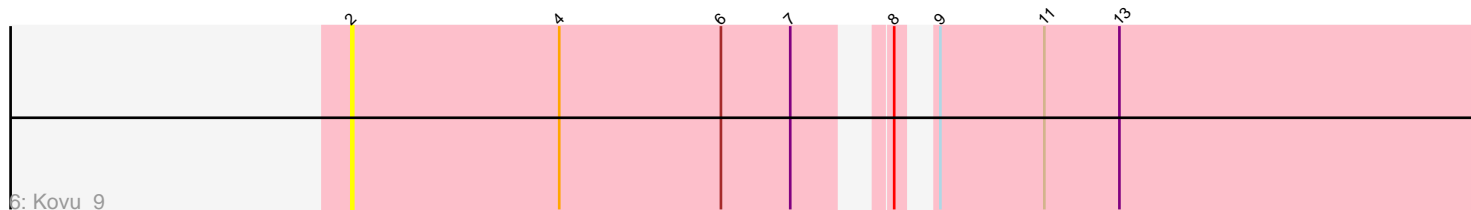
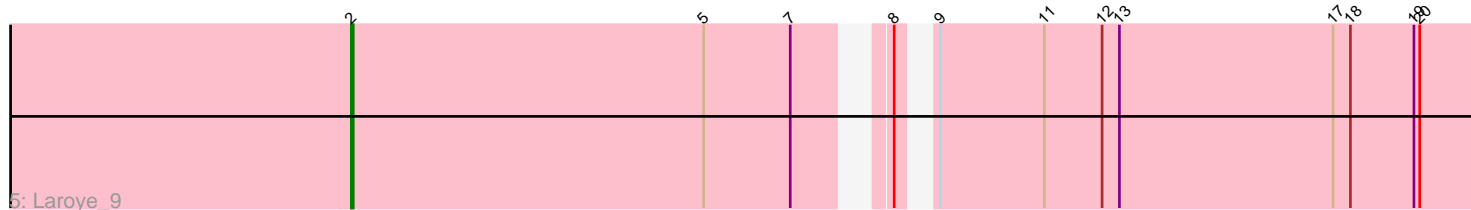
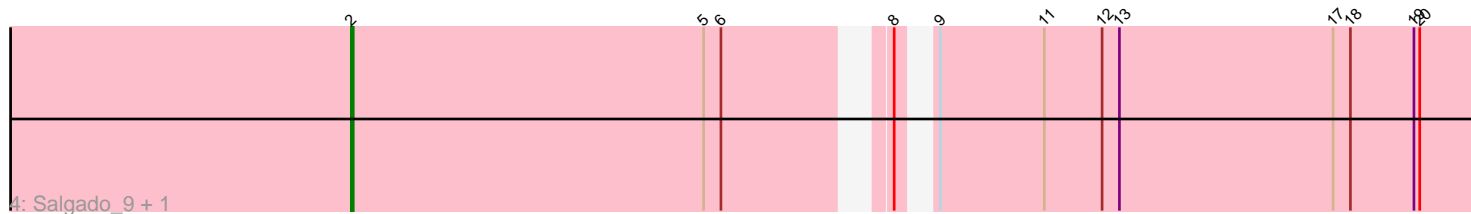
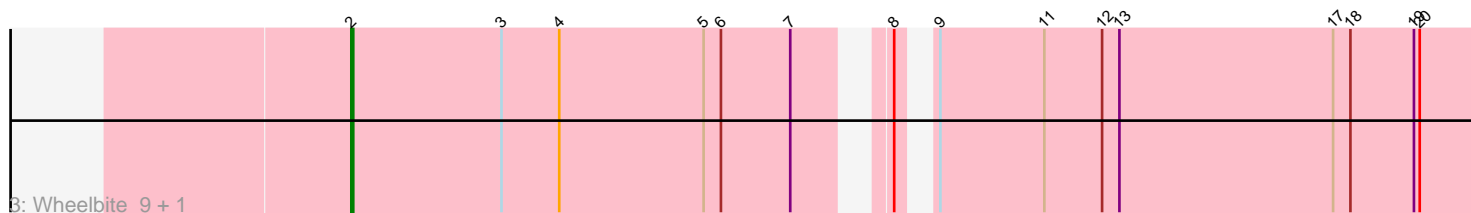
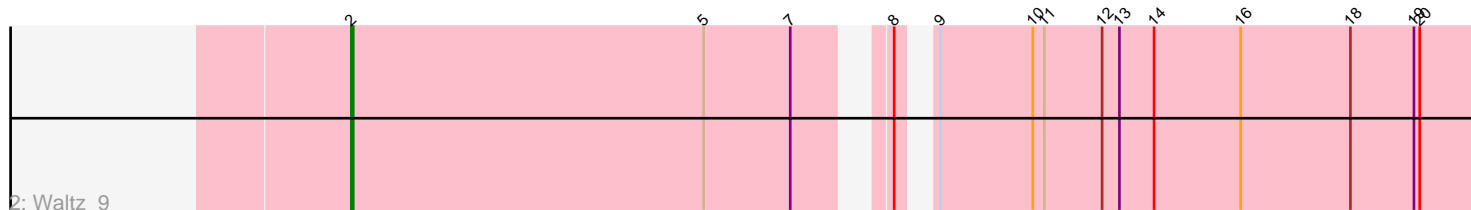
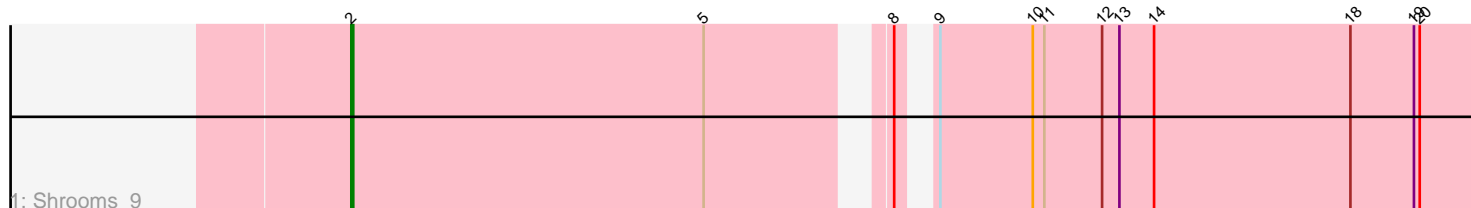


Pham 6141



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 6141 Report

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

Pham number 6141 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Shrooms_9
- Track 2 : Waltz_9
- Track 3 : Wheelbite_9, Edmundo_8
- Track 4 : Salgado_9, LiSara_9
- Track 5 : Laroye_9
- Track 6 : Kovu_9
- Track 7 : Kharcho_76, Ottawa_76

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Edmundo_8, Kharcho_76, Kovu_9, Laroye_9, LiSara_9, Ottawa_76, Salgado_9, Shrooms_9, Waltz_9, Wheelbite_9,

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

-

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

-

Summary by start number:

Start 2:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Edmundo_8 (AL), Kharcho_76 (FM), Kovu_9 (AL), Laroye_9 (AL), LiSara_9 (AL), Ottawa_76 (FM), Salgado_9 (AL), Shrooms_9 (AL), Waltz_9 (AL), Wheelbite_9 (AL),

Summary by clusters:

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

Info for manual annotations of cluster AL:

- Start number 2 was manually annotated 7 times for cluster AL.

Info for manual annotations of cluster FM:

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

Gene Information:

Gene: Edmundo_8 Start: 6328, Stop: 6891, Start Num: 2

Candidate Starts for Edmundo_8:

(Start: 2 @6328 has 9 MA's), (3, 6406), (4, 6436), (5, 6511), (6, 6520), (7, 6556), (8, 6589), (9, 6598), (11, 6652), (12, 6682), (13, 6691), (17, 6802), (18, 6811), (19, 6844), (20, 6847),

Gene: Kharcho_76 Start: 44953, Stop: 45552, Start Num: 2

Candidate Starts for Kharcho_76:

(1, 44806), (Start: 2 @44953 has 9 MA's), (5, 45133), (6, 45142), (8, 45232), (9, 45256), (10, 45304), (15, 45379),

Gene: Kovu_9 Start: 6116, Stop: 6694, Start Num: 2

Candidate Starts for Kovu_9:

(Start: 2 @6116 has 9 MA's), (4, 6224), (6, 6308), (7, 6344), (8, 6377), (9, 6386), (11, 6440), (13, 6479),

Gene: Laroye_9 Start: 6107, Stop: 6670, Start Num: 2

Candidate Starts for Laroye_9:

(Start: 2 @6107 has 9 MA's), (5, 6290), (7, 6335), (8, 6368), (9, 6377), (11, 6431), (12, 6461), (13, 6470), (17, 6581), (18, 6590), (19, 6623), (20, 6626),

Gene: LiSara_9 Start: 6138, Stop: 6701, Start Num: 2

Candidate Starts for LiSara_9:

(Start: 2 @6138 has 9 MA's), (5, 6321), (6, 6330), (8, 6399), (9, 6408), (11, 6462), (12, 6492), (13, 6501), (17, 6612), (18, 6621), (19, 6654), (20, 6657),

Gene: Ottawa_76 Start: 44903, Stop: 45502, Start Num: 2

Candidate Starts for Ottawa_76:

(1, 44756), (Start: 2 @44903 has 9 MA's), (5, 45083), (6, 45092), (8, 45182), (9, 45206), (10, 45254), (15, 45329),

Gene: Salgado_9 Start: 6115, Stop: 6678, Start Num: 2

Candidate Starts for Salgado_9:

(Start: 2 @6115 has 9 MA's), (5, 6298), (6, 6307), (8, 6376), (9, 6385), (11, 6439), (12, 6469), (13, 6478), (17, 6589), (18, 6598), (19, 6631), (20, 6634),

Gene: Shrooms_9 Start: 6167, Stop: 6730, Start Num: 2

Candidate Starts for Shrooms_9:

(Start: 2 @6167 has 9 MA's), (5, 6350), (8, 6428), (9, 6437), (10, 6485), (11, 6491), (12, 6521), (13, 6530), (14, 6548), (18, 6650), (19, 6683), (20, 6686),

Gene: Waltz_9 Start: 6255, Stop: 6818, Start Num: 2

Candidate Starts for Waltz_9:

(Start: 2 @6255 has 9 MA's), (5, 6438), (7, 6483), (8, 6516), (9, 6525), (10, 6573), (11, 6579), (12, 6609), (13, 6618), (14, 6636), (16, 6681), (18, 6738), (19, 6771), (20, 6774),

Gene: Wheelbite_9 Start: 6205, Stop: 6768, Start Num: 2

Candidate Starts for Wheelbite_9:

(Start: 2 @6205 has 9 MA's), (3, 6283), (4, 6313), (5, 6388), (6, 6397), (7, 6433), (8, 6466), (9, 6475), (11, 6529), (12, 6559), (13, 6568), (17, 6679), (18, 6688), (19, 6721), (20, 6724),