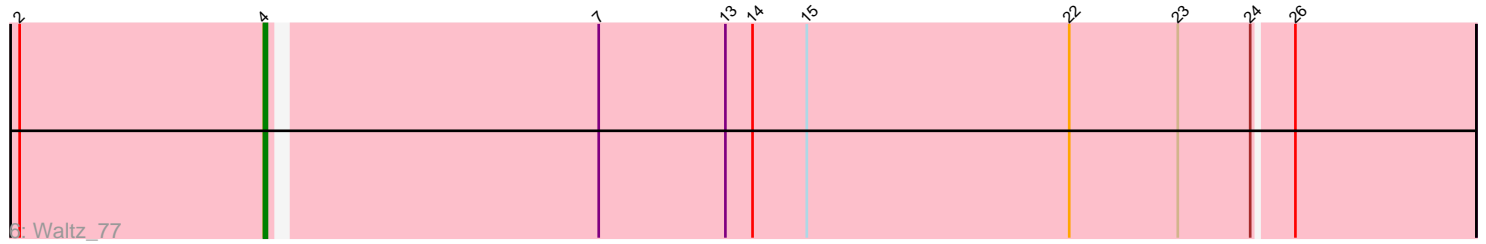
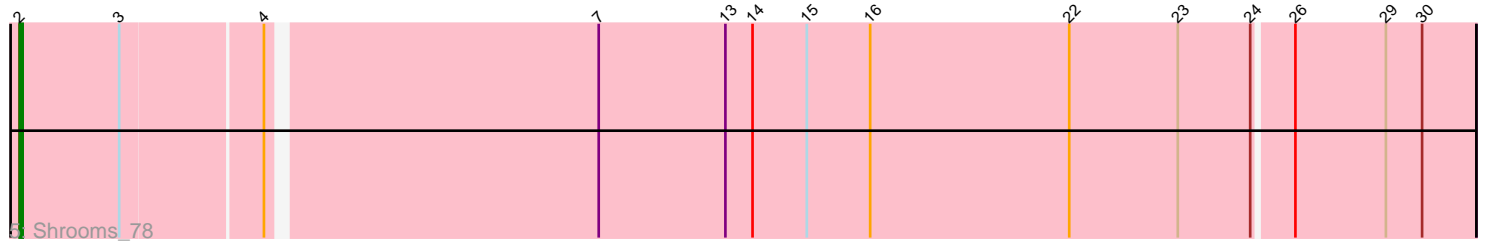
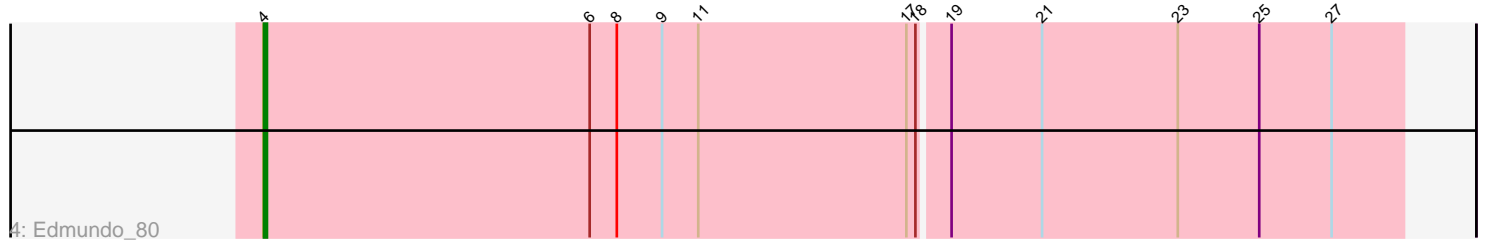
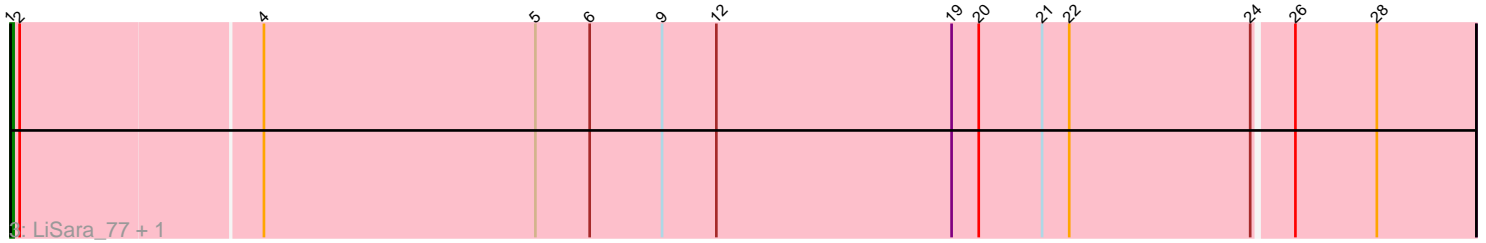
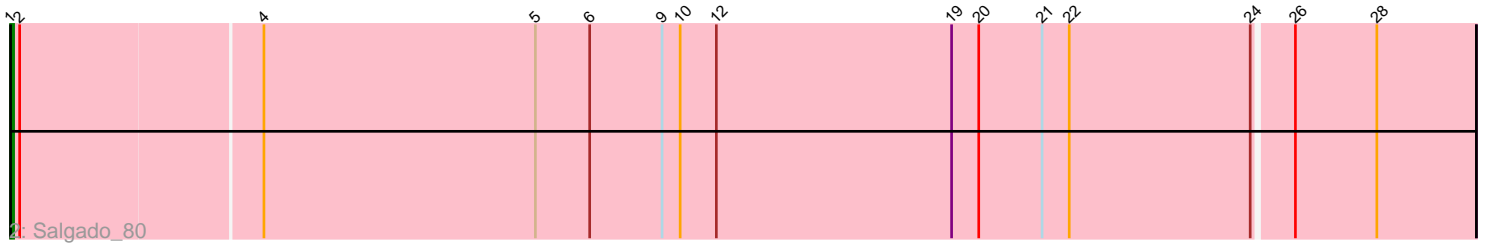
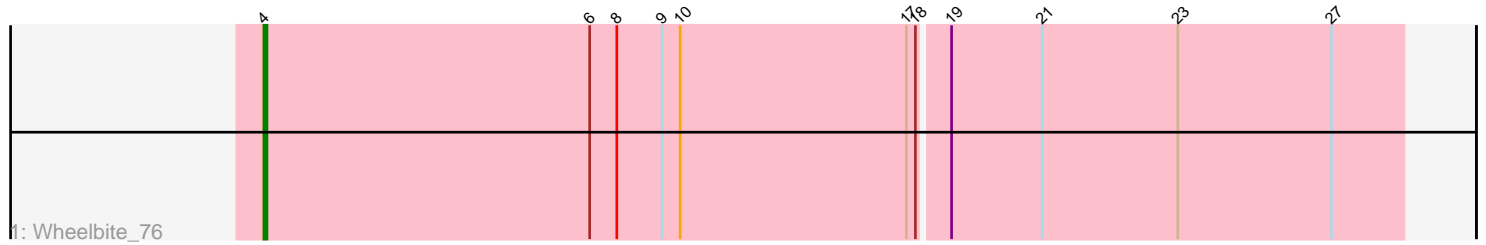


Pham 6874



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 6874 Report

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

Pham number 6874 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Wheelbite_76
- Track 2 : Salgado_80
- Track 3 : LiSara_77, Laroye_80
- Track 4 : Edmundo_80
- Track 5 : Shrooms_78
- Track 6 : Waltz_77

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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Laroye_80, LiSara_77, Salgado_80,

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

-

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

- Edmundo_80, Shrooms_78, Waltz_77, Wheelbite_76,

Summary by start number:

Start 1:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Laroye_80 (AL), LiSara_77 (AL), Salgado_80 (AL),

Start 2:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Shrooms_78 (AL),

Start 4:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Edmundo_80 (AL), Waltz_77 (AL), Wheelbite_76 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:

- Start number 1 was manually annotated 3 times for cluster AL.
- Start number 2 was manually annotated 1 time for cluster AL.
- Start number 4 was manually annotated 3 times for cluster AL.

Gene Information:

Gene: Edmundo_80 Start: 48382, Stop: 48008, Start Num: 4

Candidate Starts for Edmundo_80:

(Start: 4 @48382 has 3 MA's), (6, 48274), (8, 48265), (9, 48250), (11, 48238), (17, 48169), (18, 48166), (19, 48157), (21, 48127), (23, 48082), (25, 48055), (27, 48031),

Gene: Laroye_80 Start: 47856, Stop: 47377, Start Num: 1

Candidate Starts for Laroye_80:

(Start: 1 @47856 has 3 MA's), (Start: 2 @47853 has 1 MA's), (Start: 4 @47775 has 3 MA's), (5, 47685), (6, 47667), (9, 47643), (12, 47625), (19, 47547), (20, 47538), (21, 47517), (22, 47508), (24, 47448), (26, 47436), (28, 47409),

Gene: LiSara_77 Start: 47990, Stop: 47511, Start Num: 1

Candidate Starts for LiSara_77:

(Start: 1 @47990 has 3 MA's), (Start: 2 @47987 has 1 MA's), (Start: 4 @47909 has 3 MA's), (5, 47819), (6, 47801), (9, 47777), (12, 47759), (19, 47681), (20, 47672), (21, 47651), (22, 47642), (24, 47582), (26, 47570), (28, 47543),

Gene: Salgado_80 Start: 47660, Stop: 47181, Start Num: 1

Candidate Starts for Salgado_80:

(Start: 1 @47660 has 3 MA's), (Start: 2 @47657 has 1 MA's), (Start: 4 @47579 has 3 MA's), (5, 47489), (6, 47471), (9, 47447), (10, 47441), (12, 47429), (19, 47351), (20, 47342), (21, 47321), (22, 47312), (24, 47252), (26, 47240), (28, 47213),

Gene: Shrooms_78 Start: 46106, Stop: 45636, Start Num: 2

Candidate Starts for Shrooms_78:

(Start: 2 @46106 has 1 MA's), (3, 46073), (Start: 4 @46028 has 3 MA's), (7, 45923), (13, 45881), (14, 45872), (15, 45854), (16, 45833), (22, 45767), (23, 45731), (24, 45707), (26, 45695), (29, 45665), (30, 45653),

Gene: Waltz_77 Start: 46040, Stop: 45648, Start Num: 4

Candidate Starts for Waltz_77:

(Start: 2 @46121 has 1 MA's), (Start: 4 @46040 has 3 MA's), (7, 45935), (13, 45893), (14, 45884), (15, 45866), (22, 45779), (23, 45743), (24, 45719), (26, 45707),

Gene: Wheelbite_76 Start: 47736, Stop: 47362, Start Num: 4

Candidate Starts for Wheelbite_76:

(Start: 4 @47736 has 3 MA's), (6, 47628), (8, 47619), (9, 47604), (10, 47598), (17, 47523), (18, 47520), (19, 47511), (21, 47481), (23, 47436), (27, 47385),