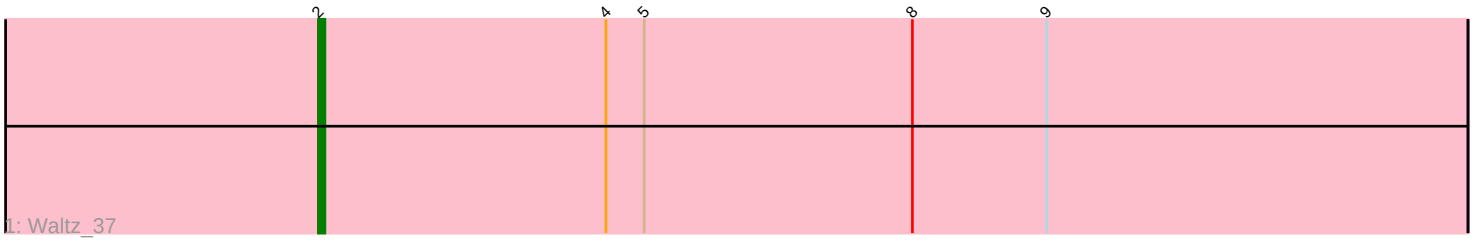
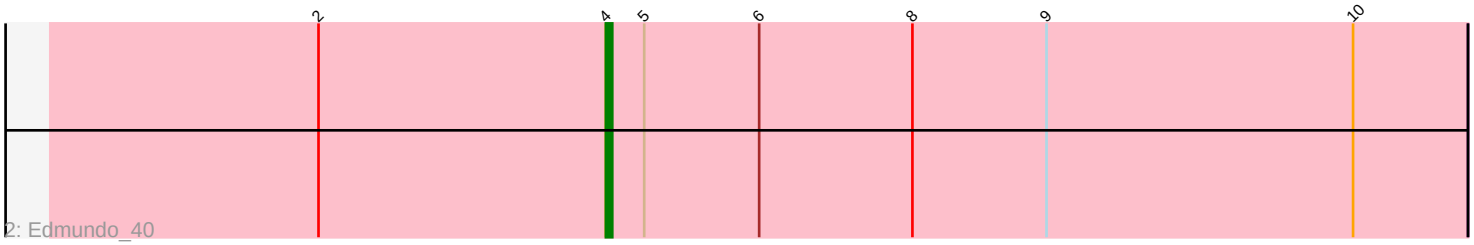
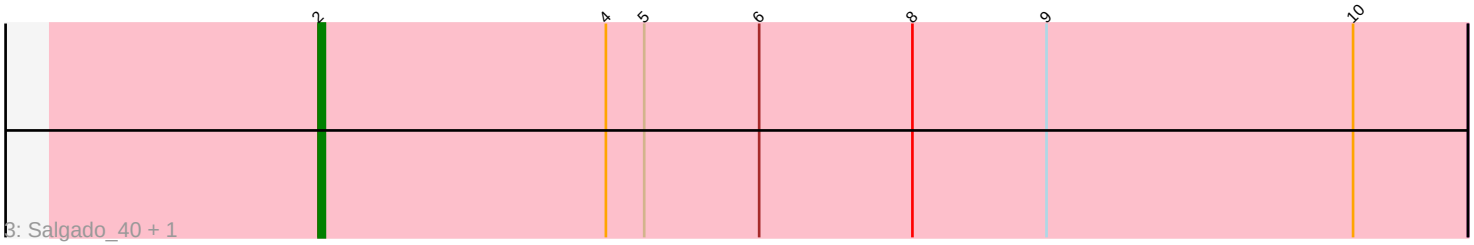
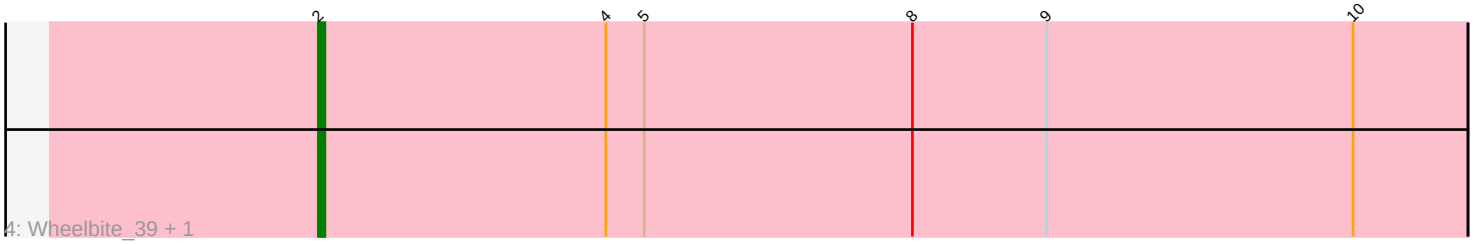
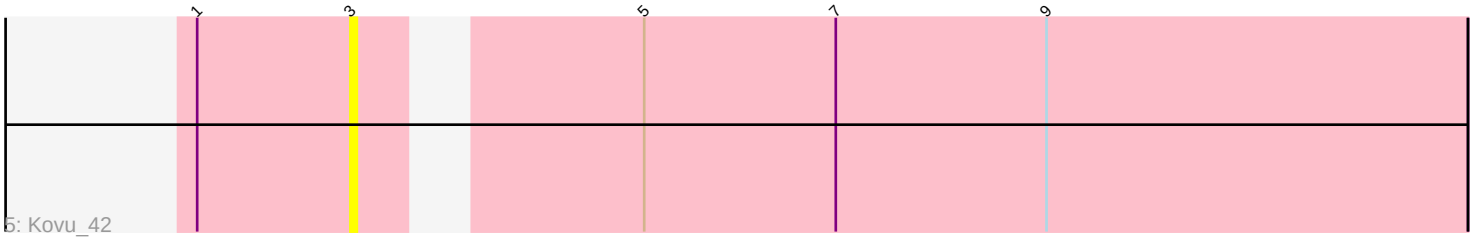
Pham 6774

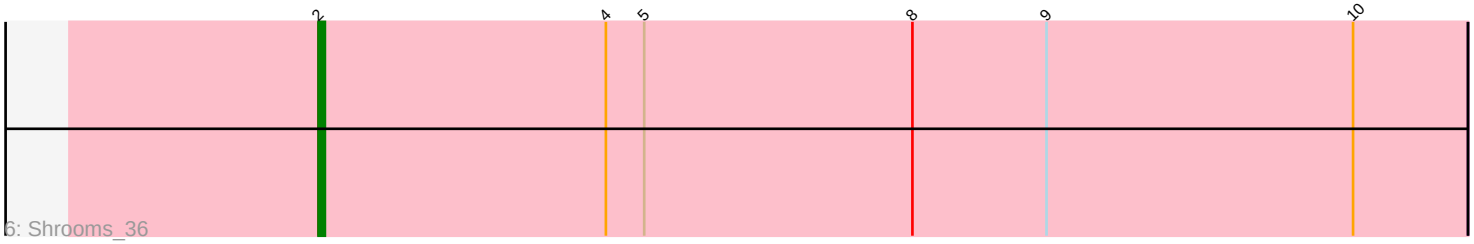

2
4
5
8
9
1: Waltz_37


2
4
5
6
8
9
10
2: Edmundo_40


2
4
5
6
8
9
10
3: Salgado_40 + 1


2
4
5
8
9
10
4: Wheelbite_39 + 1


1
3
5
7
9
5: Kovu_42


2
4
5
8
9
10
6: Shrooms_36

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 6774 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6774 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Waltz_37
• Track 2 : Edmundo_40
• Track 3 : Salgado_40, LiSara_39
• Track 4 : Wheelbite_39, Laroye_40
• Track 5 : Kovu_42
• Track 6 : Shrooms_36

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

Genes that call this "Most Annotated" start:
• Laroye_40, LiSara_39, Salgado_40, Shrooms_36, Waltz_37, Wheelbite_39,

Genes that have the "Most Annotated" start but do not call it:
• Edmundo_40,

Genes that do not have the "Most Annotated" start:
• Kovu_42,

Summary by start number:

Start 2:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Laroye_40 (AL), LiSara_39 (AL), Salgado_40 (AL), Shrooms_36 (AL), Waltz_37 (AL), Wheelbite_39 (AL),

Start 3:
• Found in 1 of 8 (12.5%) 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_42 (AL),

Start 4:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Edmundo_40 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:
•Start number 2 was manually annotated 6 times for cluster AL.
•Start number 4 was manually annotated 1 time for cluster AL.

Gene Information:

Gene: Edmundo_40 Start: 27067, Stop: 27201, Start Num: 4
Candidate Starts for Edmundo_40:
(Start: 2 @27022 has 6 MA's), (Start: 4 @27067 has 1 MA's), (5, 27073), (6, 27091), (8, 27115), (9, 27136), (10, 27184),

Gene: Kovu_42 Start: 26055, Stop: 26219, Start Num: 3
Candidate Starts for Kovu_42:
(1, 26031), (3, 26055), (5, 26091), (7, 26121), (9, 26154),

Gene: Laroye_40 Start: 26656, Stop: 26835, Start Num: 2
Candidate Starts for Laroye_40:
(Start: 2 @26656 has 6 MA's), (Start: 4 @26701 has 1 MA's), (5, 26707), (8, 26749), (9, 26770), (10, 26818),

Gene: LiSara_39 Start: 26644, Stop: 26823, Start Num: 2
Candidate Starts for LiSara_39:
(Start: 2 @26644 has 6 MA's), (Start: 4 @26689 has 1 MA's), (5, 26695), (6, 26713), (8, 26737), (9, 26758), (10, 26806),

Gene: Salgado_40 Start: 26655, Stop: 26834, Start Num: 2
Candidate Starts for Salgado_40:
(Start: 2 @26655 has 6 MA's), (Start: 4 @26700 has 1 MA's), (5, 26706), (6, 26724), (8, 26748), (9, 26769), (10, 26817),

Gene: Shrooms_36 Start: 24029, Stop: 24208, Start Num: 2
Candidate Starts for Shrooms_36:
(Start: 2 @24029 has 6 MA's), (Start: 4 @24074 has 1 MA's), (5, 24080), (8, 24122), (9, 24143), (10, 24191),

Gene: Waltz_37 Start: 24230, Stop: 24409, Start Num: 2
Candidate Starts for Waltz_37:
(Start: 2 @24230 has 6 MA's), (Start: 4 @24275 has 1 MA's), (5, 24281), (8, 24323), (9, 24344),

Gene: Wheelbite_39 Start: 26778, Stop: 26957, Start Num: 2
Candidate Starts for Wheelbite_39:
(Start: 2 @26778 has 6 MA's), (Start: 4 @26823 has 1 MA's), (5, 26829), (8, 26871), (9, 26892), (10, 26940),