Pham 6756

1: Edmundo_79

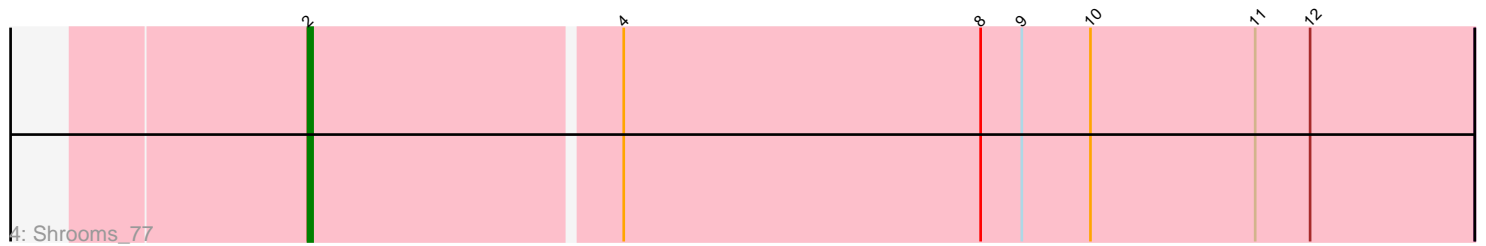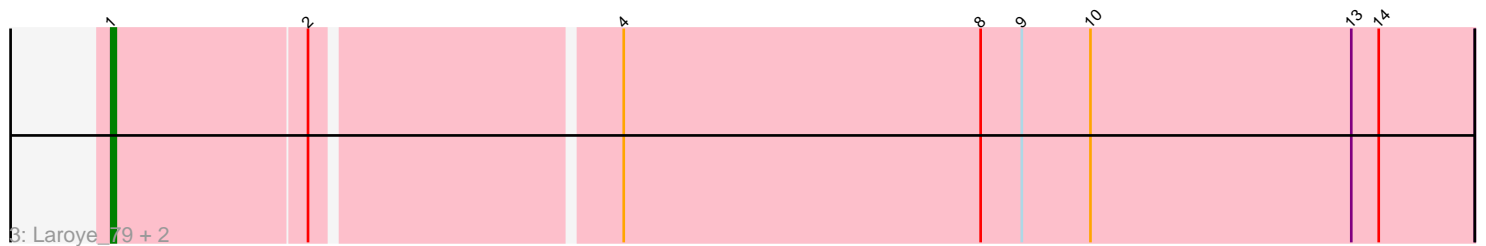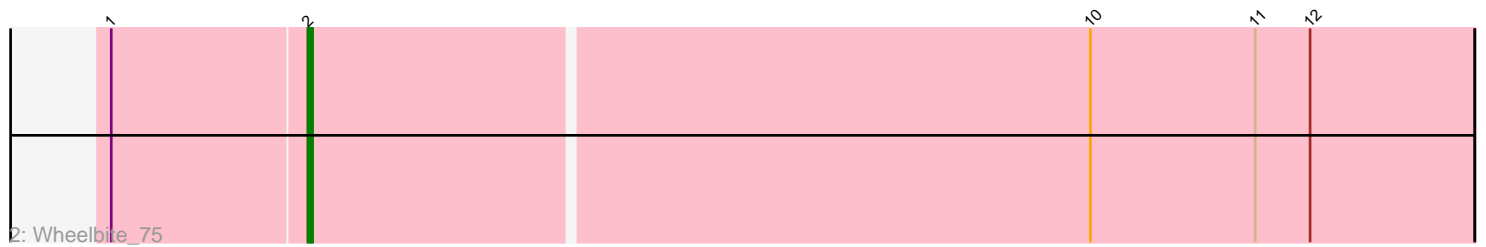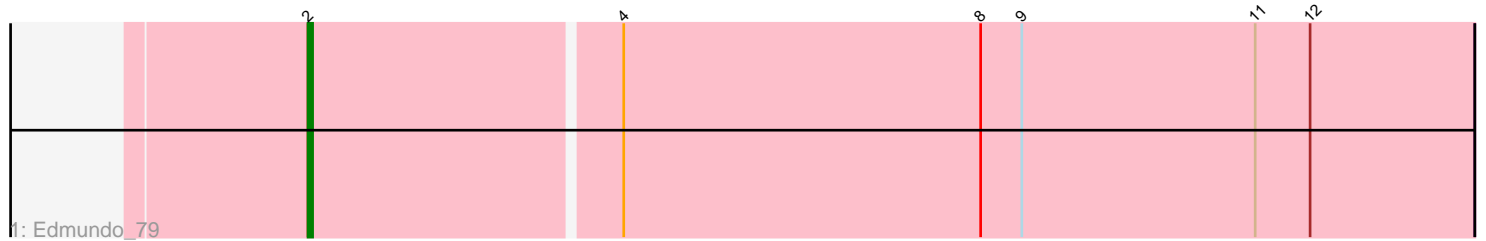2: Wheelbite_75

3: Laroye_79 + 2

4: Shrooms_77

5: Kovu_79

6: Waltz_76

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 6756 Report

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

Pham number 6756 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Edmundo_79
• Track 2 : Wheelbite_75
• Track 3 : Laroye_79, LiSara_76, Salgado_79
• Track 4 : Shrooms_77
• Track 5 : Kovu_79
• Track 6 : Waltz_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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_79, Shrooms_77, Waltz_76, Wheelbite_75,

Genes that have the "Most Annotated" start but do not call it:
• Laroye_79, LiSara_76, Salgado_79,

Genes that do not have the "Most Annotated" start:
• Kovu_79,

Summary by start number:

Start 1:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Laroye_79 (AL), LiSara_76 (AL), Salgado_79 (AL),

Start 2:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 57.1% of time when present

• Phage (with cluster) where this start called: Edmundo_79 (AL), Shrooms_77 (AL), Waltz_76 (AL), Wheelbite_75 (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_79 (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 4 times for cluster AL.

Gene Information:

Gene: Edmundo_79 Start: 47832, Stop: 47581, Start Num: 2
Candidate Starts for Edmundo_79:
(Start: 2 @47832 has 4 MA's), (4, 47766), (8, 47688), (9, 47679), (11, 47628), (12, 47616),

Gene: Kovu_79 Start: 48145, Stop: 47900, Start Num: 3
Candidate Starts for Kovu_79:
(3, 48145), (5, 48022), (6, 48019), (7, 48010), (8, 48007), (13, 47926),

Gene: Laroye_79 Start: 47292, Stop: 47002, Start Num: 1
Candidate Starts for Laroye_79:
(Start: 1 @47292 has 3 MA's), (Start: 2 @47250 has 4 MA's), (4, 47187), (8, 47109), (9, 47100), (10, 47085), (13, 47028), (14, 47022),

Gene: LiSara_76 Start: 47426, Stop: 47136, Start Num: 1
Candidate Starts for LiSara_76:
(Start: 1 @47426 has 3 MA's), (Start: 2 @47384 has 4 MA's), (4, 47321), (8, 47243), (9, 47234), (10, 47219), (13, 47162), (14, 47156),

Gene: Salgado_79 Start: 47096, Stop: 46806, Start Num: 1
Candidate Starts for Salgado_79:
(Start: 1 @47096 has 3 MA's), (Start: 2 @47054 has 4 MA's), (4, 46991), (8, 46913), (9, 46904), (10, 46889), (13, 46832), (14, 46826),

Gene: Shrooms_77 Start: 45507, Stop: 45256, Start Num: 2
Candidate Starts for Shrooms_77:
(Start: 2 @45507 has 4 MA's), (4, 45441), (8, 45363), (9, 45354), (10, 45339), (11, 45303), (12, 45291),

Gene: Waltz_76 Start: 45518, Stop: 45267, Start Num: 2
Candidate Starts for Waltz_76:
(Start: 2 @45518 has 4 MA's), (5, 45389), (11, 45314), (12, 45302),

Gene: Wheelbite_75 Start: 47187, Stop: 46936, Start Num: 2
Candidate Starts for Wheelbite_75:
(Start: 1 @47229 has 3 MA's), (Start: 2 @47187 has 4 MA's), (10, 47019), (11, 46983), (12, 46971),