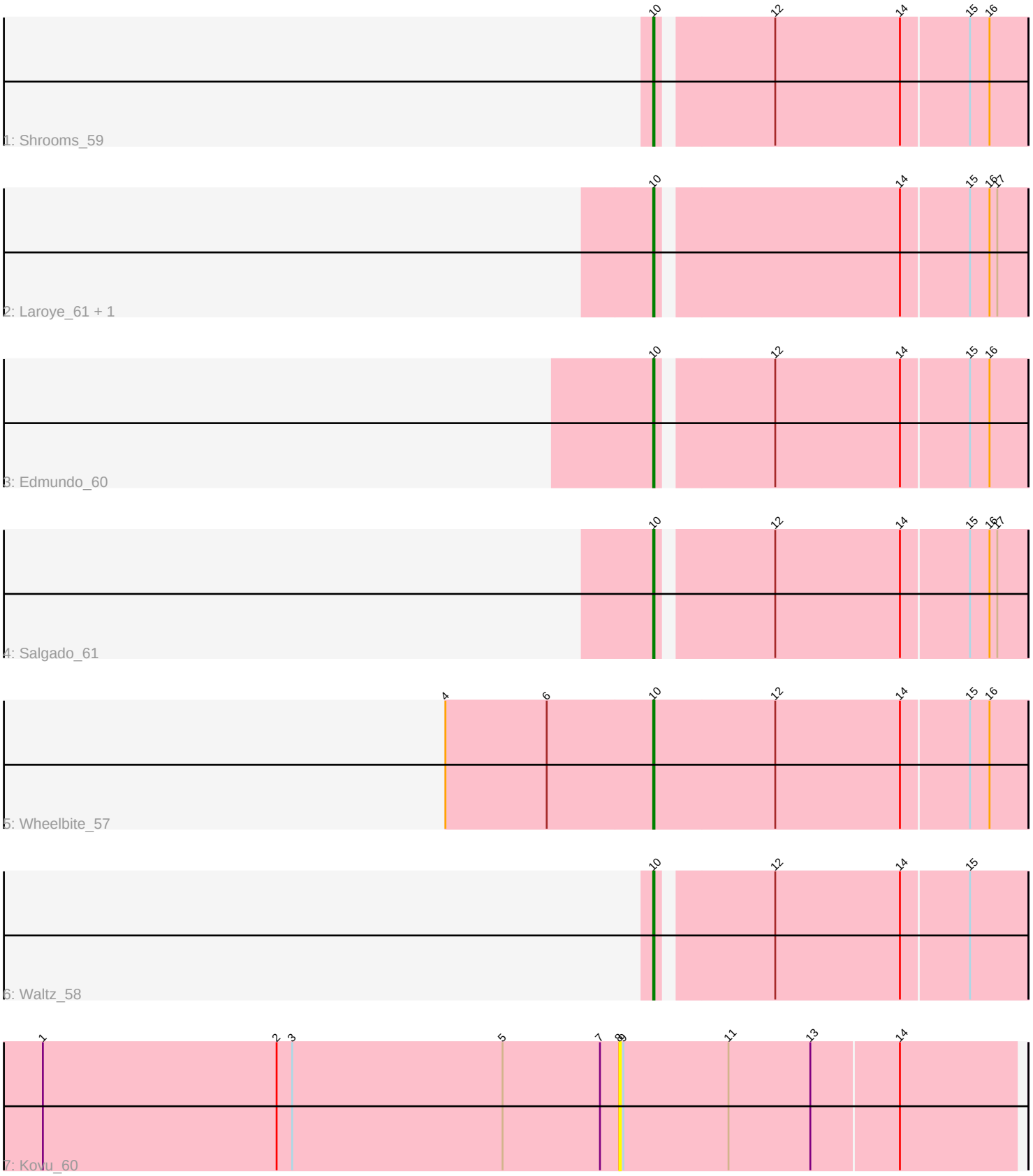
Pham 167267


10
12
14
15
16
1: Shrooms_59
10
14
15
16
17
2: Laroye_61 + 1
10
12
14
15
16
3: Edmundo_60
10
12
14
15
16
17
4: Salgado_61
4
6
10
12
14
15
16
5: Wheelbite_57
10
12
14
15
6: Waltz_58
1
2
3
5
7
8
9
11
13
14
7: Kovu_60

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 167267 Report

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

Pham number 167267 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Shrooms_59
• Track 2 : Laroye_61, LiSara_58
• Track 3 : Edmundo_60
• Track 4 : Salgado_61
• Track 5 : Wheelbite_57
• Track 6 : Waltz_58
• Track 7 : Kovu_60

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

The start number called the most often in the published annotations is 10, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_60, Laroye_61, LiSara_58, Salgado_61, Shrooms_59, Waltz_58, Wheelbite_57,

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

Genes that do not have the "Most Annotated" start:
• Kovu_60,

Summary by start number:

Start 8:
• 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_60 (AL),

Start 10:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edmundo_60 (AL), Laroye_61 (AL), LiSara_58 (AL), Salgado_61 (AL), Shrooms_59 (AL), Waltz_58 (AL), Wheelbite_57 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:
•Start number 10 was manually annotated 7 times for cluster AL.

Gene Information:

Gene: Edmundo_60 Start: 34342, Stop: 34614, Start Num: 10
Candidate Starts for Edmundo_60:
(Start: 10 @34342 has 7 MA's), (12, 34423), (14, 34519), (15, 34570), (16, 34585),

Gene: Kovu_60 Start: 33848, Stop: 34150, Start Num: 8
Candidate Starts for Kovu_60:
(1, 33404), (2, 33584), (3, 33596), (5, 33758), (7, 33833), (8, 33848), (9, 33851), (11, 33932), (13, 33995), (14, 34061),

Gene: Laroye_61 Start: 33745, Stop: 34017, Start Num: 10
Candidate Starts for Laroye_61:
(Start: 10 @33745 has 7 MA's), (14, 33922), (15, 33973), (16, 33988), (17, 33994),

Gene: LiSara_58 Start: 33907, Stop: 34179, Start Num: 10
Candidate Starts for LiSara_58:
(Start: 10 @33907 has 7 MA's), (14, 34084), (15, 34135), (16, 34150), (17, 34156),

Gene: Salgado_61 Start: 33561, Stop: 33833, Start Num: 10
Candidate Starts for Salgado_61:
(Start: 10 @33561 has 7 MA's), (12, 33642), (14, 33738), (15, 33789), (16, 33804), (17, 33810),

Gene: Shrooms_59 Start: 31690, Stop: 31962, Start Num: 10
Candidate Starts for Shrooms_59:
(Start: 10 @31690 has 7 MA's), (12, 31771), (14, 31867), (15, 31918), (16, 31933),

Gene: Waltz_58 Start: 31979, Stop: 32251, Start Num: 10
Candidate Starts for Waltz_58:
(Start: 10 @31979 has 7 MA's), (12, 32060), (14, 32156), (15, 32207),

Gene: Wheelbite_57 Start: 33697, Stop: 33981, Start Num: 10
Candidate Starts for Wheelbite_57:
(4, 33538), (6, 33616), (Start: 10 @33697 has 7 MA's), (12, 33790), (14, 33886), (15, 33937), (16, 33952),