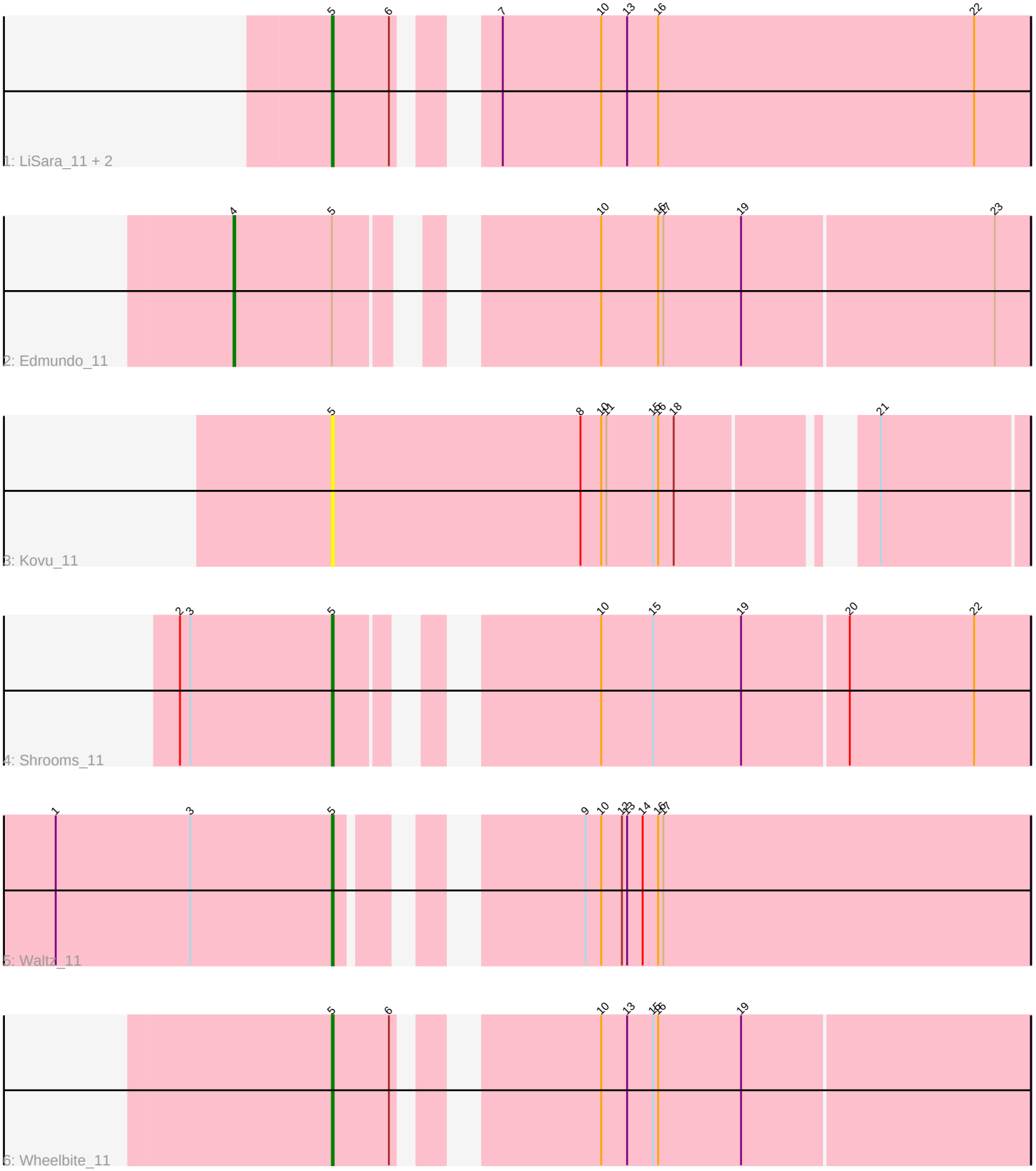
Pham 7151


5
6
7
10
13
16
22
1: LiSara_11 + 2
4
5
10
16
17
19
23
2: Edmundo_11
5
8
10
11
15
16
18
21
3: Kovu_11
2
3
5
10
15
19
20
22
4: Shrooms_11
1
3
5
9
10
12
13
14
16
17
5: Waltz_11
5
6
10
13
15
16
19
6: Wheelbite_11

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 7151 Report

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

Pham number 7151 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LiSara_11, Laroye_11, Salgado_11
• Track 2 : Edmundo_11
• Track 3 : Kovu_11
• Track 4 : Shrooms_11
• Track 5 : Waltz_11
• Track 6 : Wheelbite_11

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kovu_11, Laroye_11, LiSara_11, Salgado_11, Shrooms_11, Waltz_11, Wheelbite_11,

Genes that have the "Most Annotated" start but do not call it:
• Edmundo_11,

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

Summary by start number:

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edmundo_11 (AL),

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 87.5% of time when present

• Phage (with cluster) where this start called: Kovu_11 (AL), Laroye_11 (AL), LiSara_11 (AL), Salgado_11 (AL), Shrooms_11 (AL), Waltz_11 (AL), Wheelbite_11 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:
•Start number 4 was manually annotated 1 time for cluster AL.
•Start number 5 was manually annotated 6 times for cluster AL.

Gene Information:

Gene: Edmundo_11 Start: 8672, Stop: 9088, Start Num: 4
Candidate Starts for Edmundo_11:
(Start: 4 @8672 has 1 MA's), (Start: 5 @8729 has 6 MA's), (10, 8843), (16, 8876), (17, 8879), (19, 8924), (23, 9068),

Gene: Kovu_11 Start: 8435, Stop: 8806, Start Num: 5
Candidate Starts for Kovu_11:
(Start: 5 @8435 has 6 MA's), (8, 8579), (10, 8591), (11, 8594), (15, 8621), (16, 8624), (18, 8633), (21, 8723),

Gene: Laroye_11 Start: 8459, Stop: 8827, Start Num: 5
Candidate Starts for Laroye_11:
(Start: 5 @8459 has 6 MA's), (6, 8492), (7, 8525), (10, 8582), (13, 8597), (16, 8615), (22, 8795),

Gene: LiSara_11 Start: 8491, Stop: 8862, Start Num: 5
Candidate Starts for LiSara_11:
(Start: 5 @8491 has 6 MA's), (6, 8524), (7, 8557), (10, 8614), (13, 8629), (16, 8647), (22, 8830),

Gene: Salgado_11 Start: 8467, Stop: 8835, Start Num: 5
Candidate Starts for Salgado_11:
(Start: 5 @8467 has 6 MA's), (6, 8500), (7, 8533), (10, 8590), (13, 8605), (16, 8623), (22, 8803),

Gene: Shrooms_11 Start: 8522, Stop: 8881, Start Num: 5
Candidate Starts for Shrooms_11:
(2, 8435), (3, 8441), (Start: 5 @8522 has 6 MA's), (10, 8636), (15, 8666), (19, 8717), (20, 8777), (22, 8849),

Gene: Waltz_11 Start: 8610, Stop: 8972, Start Num: 5
Candidate Starts for Waltz_11:
(1, 8451), (3, 8529), (Start: 5 @8610 has 6 MA's), (9, 8715), (10, 8724), (12, 8736), (13, 8739), (14, 8748), (16, 8757), (17, 8760),

Gene: Wheelbite_11 Start: 8555, Stop: 8923, Start Num: 5
Candidate Starts for Wheelbite_11:
(Start: 5 @8555 has 6 MA's), (6, 8588), (10, 8678), (13, 8693), (15, 8708), (16, 8711), (19, 8759),