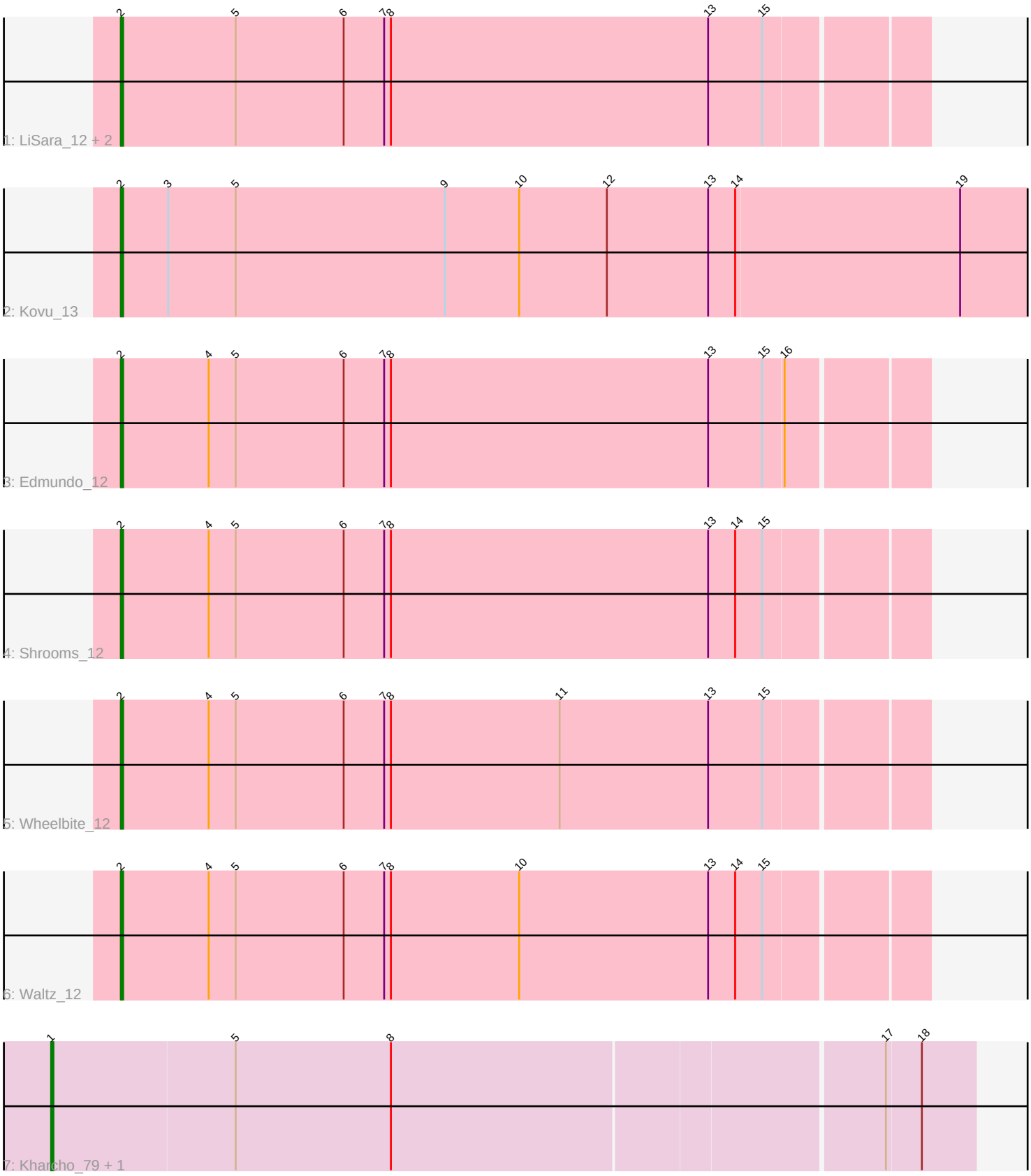
Pham 203556


2
5
6
7
8
13
15
1: LiSara_12 + 2
2
3
5
9
10
12
13
14
19
2: Kovu_13
2
4
5
6
7
8
13
15
16
3: Edmundo_12
2
4
5
6
7
8
13
14
15
4: Shrooms_12
2
4
5
6
7
8
11
13
15
5: Wheelbite_12
2
4
5
6
7
8
10
13
14
15
6: Waltz_12
1
5
8
17
18
7: Khamcho_79 + 1

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 203556 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203556 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : LiSara_12, Laroye_12, Salgado_12
• Track 2 : Kovu_13
• Track 3 : Edmundo_12
• Track 4 : Shrooms_12
• Track 5 : Wheelbite_12
• Track 6 : Waltz_12
• Track 7 : Kharcho_79, Ottawa_79

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 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_12, Kovu_13, Laroye_12, LiSara_12, Salgado_12, Shrooms_12, Waltz_12, Wheelbite_12,

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

Genes that do not have the "Most Annotated" start:
• Kharcho_79, Ottawa_79,

Summary by start number:

Start 1:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kharcho_79 (FM), Ottawa_79 (FM),

Start 2:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 8 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edmundo_12 (AL), Kovu_13 (AL), Laroye_12 (AL), LiSara_12 (AL), Salgado_12 (AL), Shrooms_12 (AL), Waltz_12 (AL), Wheelbite_12 (AL),

Summary by clusters:

There are 2 clusters represented in this pham: AL, FM,

Info for manual annotations of cluster AL:
•Start number 2 was manually annotated 8 times for cluster AL.

Info for manual annotations of cluster FM:
•Start number 1 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: Edmundo_12 Start: 9190, Stop: 9543, Start Num: 2
Candidate Starts for Edmundo_12:
(Start: 2 @9190 has 8 MA's), (4, 9229), (5, 9241), (6, 9289), (7, 9307), (8, 9310), (13, 9451), (15, 9475), (16, 9484),

Gene: Kharcho_79 Start: 47453, Stop: 47854, Start Num: 1
Candidate Starts for Kharcho_79:
(Start: 1 @47453 has 2 MA's), (5, 47534), (8, 47603), (17, 47816), (18, 47831),

Gene: Kovu_13 Start: 9095, Stop: 9502, Start Num: 2
Candidate Starts for Kovu_13:
(Start: 2 @9095 has 8 MA's), (3, 9116), (5, 9146), (9, 9239), (10, 9272), (12, 9311), (13, 9356), (14, 9368), (19, 9467),

Gene: Laroye_12 Start: 8928, Stop: 9281, Start Num: 2
Candidate Starts for Laroye_12:
(Start: 2 @8928 has 8 MA's), (5, 8979), (6, 9027), (7, 9045), (8, 9048), (13, 9189), (15, 9213),

Gene: LiSara_12 Start: 8962, Stop: 9315, Start Num: 2
Candidate Starts for LiSara_12:
(Start: 2 @8962 has 8 MA's), (5, 9013), (6, 9061), (7, 9079), (8, 9082), (13, 9223), (15, 9247),

Gene: Ottawa_79 Start: 47403, Stop: 47804, Start Num: 1
Candidate Starts for Ottawa_79:
(Start: 1 @47403 has 2 MA's), (5, 47484), (8, 47553), (17, 47766), (18, 47781),

Gene: Salgado_12 Start: 8936, Stop: 9289, Start Num: 2
Candidate Starts for Salgado_12:
(Start: 2 @8936 has 8 MA's), (5, 8987), (6, 9035), (7, 9053), (8, 9056), (13, 9197), (15, 9221),

Gene: Shrooms_12 Start: 8982, Stop: 9335, Start Num: 2
Candidate Starts for Shrooms_12:
(Start: 2 @8982 has 8 MA's), (4, 9021), (5, 9033), (6, 9081), (7, 9099), (8, 9102), (13, 9243), (14, 9255), (15, 9267),

Gene: Waltz_12 Start: 9075, Stop: 9428, Start Num: 2
Candidate Starts for Waltz_12:
(Start: 2 @9075 has 8 MA's), (4, 9114), (5, 9126), (6, 9174), (7, 9192), (8, 9195), (10, 9252), (13, 9336), (14, 9348), (15, 9360),

Gene: Wheelbite_12 Start: 9024, Stop: 9377, Start Num: 2
Candidate Starts for Wheelbite_12:
(Start: 2 @9024 has 8 MA's), (4, 9063), (5, 9075), (6, 9123), (7, 9141), (8, 9144), (11, 9219), (13, 9285), (15, 9309),