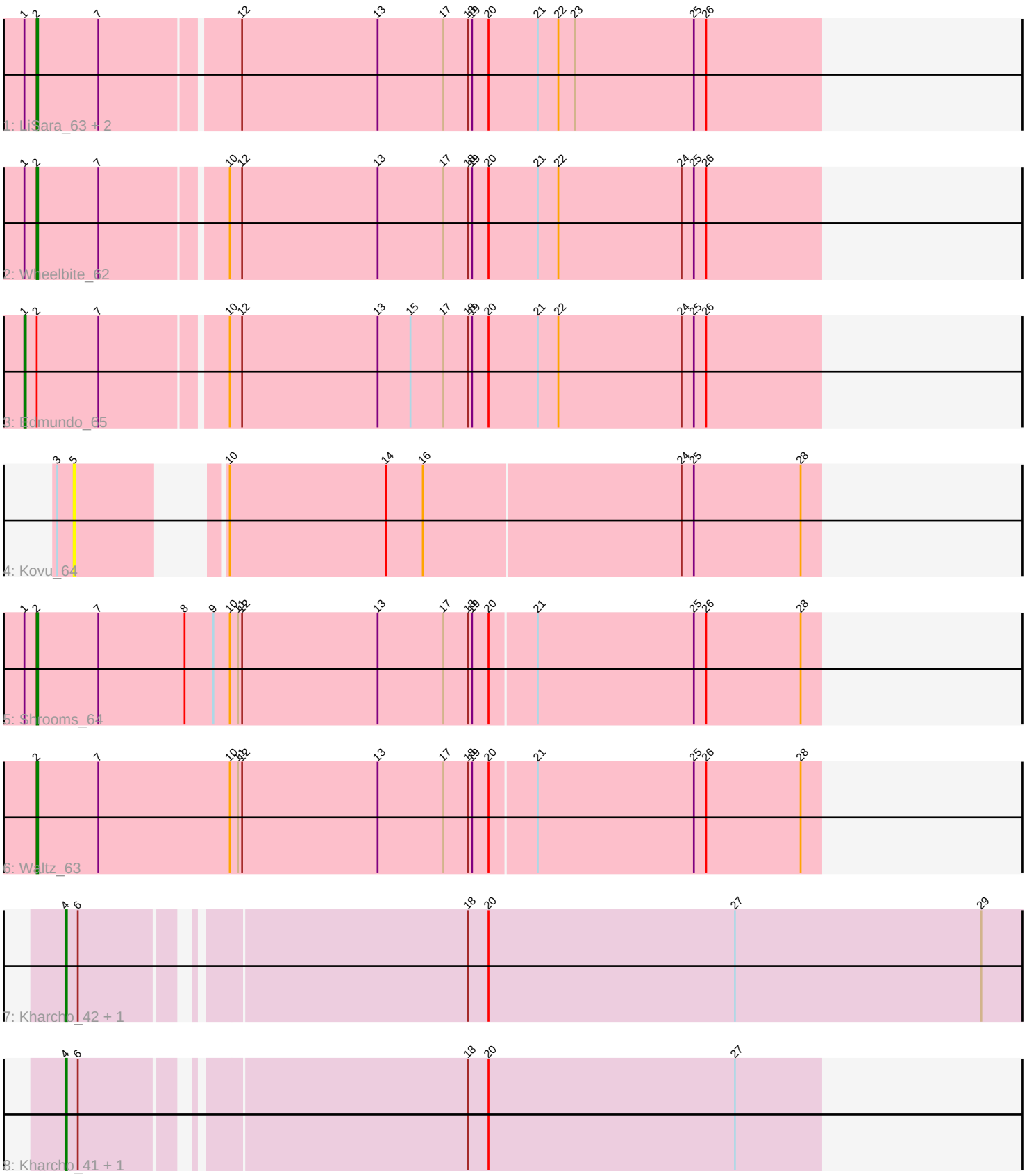
Pham 164072


1: LiSara_63 + 2
2: Wheelbite_62
3: Edmundo_65
4: Kovu_64
5: Shrooms_64
6: Waltz_63
7: Kharcho_42 + 1
8: Kharcho_41 + 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 164072 Report

This analysis was run 05/04/24 on database version 560.

Pham number 164072 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LiSara_63, Salgado_66, Laroye_66
• Track 2 : Wheelbite_62
• Track 3 : Edmundo_65
• Track 4 : Kovu_64
• Track 5 : Shrooms_64
• Track 6 : Waltz_63
• Track 7 : Kharcho_42, Ottawa_42
• Track 8 : Kharcho_41, Ottawa_41

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 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Laroye_66, LiSara_63, Salgado_66, Shrooms_64, Waltz_63, Wheelbite_62,

Genes that have the "Most Annotated" start but do not call it:
• Edmundo_65,

Genes that do not have the "Most Annotated" start:
• Kharcho_41, Kharcho_42, Kovu_64, Ottawa_41, Ottawa_42,

Summary by start number:

Start 1:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Edmundo_65 (AL),

Start 2:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 6 of 11

• Called 85.7% of time when present
• Phage (with cluster) where this start called: Laroye_66 (AL), LiSara_63 (AL), Salgado_66 (AL), Shrooms_64 (AL), Waltz_63 (AL), Wheelbite_62 (AL),

Start 4:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kharcho_41 (FM), Kharcho_42 (FM), Ottawa_41 (FM), Ottawa_42 (FM),

Start 5:
• Found in 1 of 12 (8.3%) 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_64 (AL),

Summary by clusters:

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

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

Info for manual annotations of cluster FM:
•Start number 4 was manually annotated 4 times for cluster FM.

Gene Information:

Gene: Edmundo_65 Start: 36388, Stop: 36960, Start Num: 1
Candidate Starts for Edmundo_65:
(Start: 1 @36388 has 1 MA's), (Start: 2 @36397 has 6 MA's), (7, 36442), (10, 36529), (12, 36538), (13, 36637), (15, 36661), (17, 36685), (18, 36703), (19, 36706), (20, 36718), (21, 36754), (22, 36769), (24, 36859), (25, 36868), (26, 36877),

Gene: Kharcho_42 Start: 16675, Stop: 17369, Start Num: 4
Candidate Starts for Kharcho_42:
(Start: 4 @16675 has 4 MA's), (6, 16684), (18, 16942), (20, 16957), (27, 17137), (29, 17317),

Gene: Kharcho_41 Start: 16675, Stop: 17199, Start Num: 4
Candidate Starts for Kharcho_41:
(Start: 4 @16675 has 4 MA's), (6, 16684), (18, 16942), (20, 16957), (27, 17137),

Gene: Kovu_64 Start: 35677, Stop: 36174, Start Num: 5
Candidate Starts for Kovu_64:
(3, 35665), (5, 35677), (10, 35746), (14, 35860), (16, 35887), (24, 36073), (25, 36082), (28, 36160),

Gene: Laroye_66 Start: 35786, Stop: 36349, Start Num: 2
Candidate Starts for Laroye_66:

(Start: 1 @35777 has 1 MA's), (Start: 2 @35786 has 6 MA's), (7, 35831), (12, 35927), (13, 36026), (17, 36074), (18, 36092), (19, 36095), (20, 36107), (21, 36143), (22, 36158), (23, 36170), (25, 36257), (26, 36266),

Gene: LiSara_63 Start: 35948, Stop: 36511, Start Num: 2
Candidate Starts for LiSara_63:
(Start: 1 @35939 has 1 MA's), (Start: 2 @35948 has 6 MA's), (7, 35993), (12, 36089), (13, 36188), (17, 36236), (18, 36254), (19, 36257), (20, 36269), (21, 36305), (22, 36320), (23, 36332), (25, 36419), (26, 36428),

Gene: Ottawa_41 Start: 16673, Stop: 17197, Start Num: 4
Candidate Starts for Ottawa_41:
(Start: 4 @16673 has 4 MA's), (6, 16682), (18, 16940), (20, 16955), (27, 17135),

Gene: Ottawa_42 Start: 16673, Stop: 17367, Start Num: 4
Candidate Starts for Ottawa_42:
(Start: 4 @16673 has 4 MA's), (6, 16682), (18, 16940), (20, 16955), (27, 17135), (29, 17315),

Gene: Salgado_66 Start: 35602, Stop: 36165, Start Num: 2
Candidate Starts for Salgado_66:
(Start: 1 @35593 has 1 MA's), (Start: 2 @35602 has 6 MA's), (7, 35647), (12, 35743), (13, 35842), (17, 35890), (18, 35908), (19, 35911), (20, 35923), (21, 35959), (22, 35974), (23, 35986), (25, 36073), (26, 36082),

Gene: Shrooms_64 Start: 33728, Stop: 34297, Start Num: 2
Candidate Starts for Shrooms_64:
(Start: 1 @33719 has 1 MA's), (Start: 2 @33728 has 6 MA's), (7, 33773), (8, 33836), (9, 33857), (10, 33869), (11, 33875), (12, 33878), (13, 33977), (17, 34025), (18, 34043), (19, 34046), (20, 34058), (21, 34091), (25, 34205), (26, 34214), (28, 34283),

Gene: Waltz_63 Start: 34023, Stop: 34592, Start Num: 2
Candidate Starts for Waltz_63:
(Start: 2 @34023 has 6 MA's), (7, 34068), (10, 34164), (11, 34170), (12, 34173), (13, 34272), (17, 34320), (18, 34338), (19, 34341), (20, 34353), (21, 34386), (25, 34500), (26, 34509), (28, 34578),

Gene: Wheelbite_62 Start: 35753, Stop: 36316, Start Num: 2
Candidate Starts for Wheelbite_62:
(Start: 1 @35744 has 1 MA's), (Start: 2 @35753 has 6 MA's), (7, 35798), (10, 35885), (12, 35894), (13, 35993), (17, 36041), (18, 36059), (19, 36062), (20, 36074), (21, 36110), (22, 36125), (24, 36215), (25, 36224), (26, 36233),