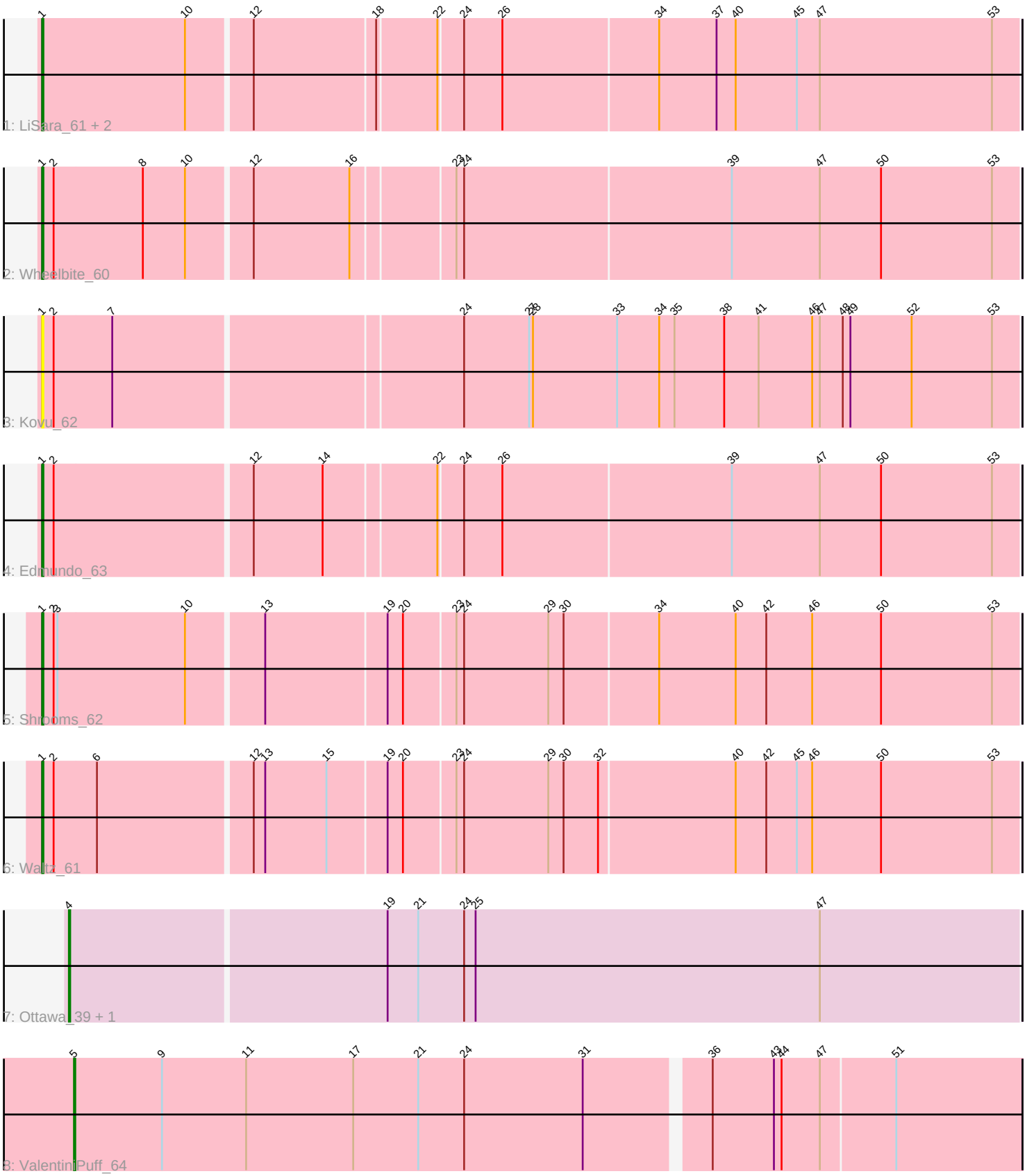
Pham 87443


1: LiSara_61 + 2
2: Wheelbite_60
3: Kovu_62
4: Edmundo_63
5: Shrooms_62
6: Waltz_61
7: Ottawa_39 + 1
8: ValentinPuff_64

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 87443 Report

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

Pham number 87443 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LiSara_61, Laroye_64, Salgado_64
• Track 2 : Wheelbite_60
• Track 3 : Kovu_62
• Track 4 : Edmundo_63
• Track 5 : Shrooms_62
• Track 6 : Waltz_61
• Track 7 : Ottawa_39, Kharcho_39
• Track 8 : ValentiniPuff_64

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_63, Kovu_62, Laroye_64, LiSara_61, Salgado_64, Shrooms_62, Waltz_61, Wheelbite_60,

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

Genes that do not have the "Most Annotated" start:
• Kharcho_39, Ottawa_39, ValentiniPuff_64,

Summary by start number:

Start 1:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edmundo_63 (AL), Kovu_62 (AL), Laroye_64 (AL), LiSara_61 (AL), Salgado_64 (AL), Shrooms_62 (AL), Waltz_61 (AL), Wheelbite_60 (AL),

Start 4:
• Found in 2 of 11 (18.2%) 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_39 (FM), Ottawa_39 (FM),

Start 5:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ValentiniPuff_64 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, AL, FM,

Info for manual annotations of cluster AL:
•Start number 1 was manually annotated 7 times for cluster AL.

Info for manual annotations of cluster FM:
•Start number 4 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: Edmundo_63 Start: 35161, Stop: 35907, Start Num: 1
Candidate Starts for Edmundo_63:
(Start: 1 @35161 has 7 MA's), (2, 35170), (12, 35320), (14, 35374), (22, 35458), (24, 35476), (26, 35506), (39, 35683), (47, 35752), (50, 35800), (53, 35887),

Gene: Kharcho_39 Start: 15407, Stop: 16144, Start Num: 4
Candidate Starts for Kharcho_39:
(Start: 4 @15407 has 2 MA's), (19, 15650), (21, 15674), (24, 15710), (25, 15719), (47, 15989),

Gene: Kovu_62 Start: 34448, Stop: 35200, Start Num: 1
Candidate Starts for Kovu_62:
(Start: 1 @34448 has 7 MA's), (2, 34457), (7, 34502), (24, 34766), (27, 34817), (28, 34820), (33, 34886), (34, 34919), (35, 34931), (38, 34970), (41, 34997), (46, 35039), (47, 35045), (48, 35063), (49, 35069), (52, 35117), (53, 35180),

Gene: Laroye_64 Start: 34551, Stop: 35297, Start Num: 1
Candidate Starts for Laroye_64:
(Start: 1 @34551 has 7 MA's), (10, 34662), (12, 34710), (18, 34803), (22, 34848), (24, 34866), (26, 34896), (34, 35016), (37, 35061), (40, 35076), (45, 35124), (47, 35142), (53, 35277),

Gene: LiSara_61 Start: 34713, Stop: 35459, Start Num: 1
Candidate Starts for LiSara_61:
(Start: 1 @34713 has 7 MA's), (10, 34824), (12, 34872), (18, 34965), (22, 35010), (24, 35028), (26, 35058), (34, 35178), (37, 35223), (40, 35238), (45, 35286), (47, 35304), (53, 35439),

Gene: Ottawa_39 Start: 15405, Stop: 16142, Start Num: 4
Candidate Starts for Ottawa_39:

(Start: 4 @15405 has 2 MA's), (19, 15648), (21, 15672), (24, 15708), (25, 15717), (47, 15987),

Gene: Salgado_64 Start: 34367, Stop: 35113, Start Num: 1
Candidate Starts for Salgado_64:
(Start: 1 @34367 has 7 MA's), (10, 34478), (12, 34526), (18, 34619), (22, 34664), (24, 34682), (26, 34712), (34, 34832), (37, 34877), (40, 34892), (45, 34940), (47, 34958), (53, 35093),

Gene: Shrooms_62 Start: 32497, Stop: 33246, Start Num: 1
Candidate Starts for Shrooms_62:
(Start: 1 @32497 has 7 MA's), (2, 32506), (3, 32509), (10, 32608), (13, 32665), (19, 32758), (20, 32770), (23, 32809), (24, 32815), (29, 32881), (30, 32893), (34, 32965), (40, 33025), (42, 33049), (46, 33085), (50, 33139), (53, 33226),

Gene: ValentiniPuff_64 Start: 31679, Stop: 32407, Start Num: 5
Candidate Starts for ValentiniPuff_64:
(Start: 5 @31679 has 1 MA's), (9, 31748), (11, 31814), (17, 31898), (21, 31949), (24, 31985), (31, 32078), (36, 32168), (43, 32216), (44, 32222), (47, 32252), (51, 32309),

Gene: Waltz_61 Start: 32792, Stop: 33541, Start Num: 1
Candidate Starts for Waltz_61:
(Start: 1 @32792 has 7 MA's), (2, 32801), (6, 32834), (12, 32951), (13, 32960), (15, 33008), (19, 33053), (20, 33065), (23, 33104), (24, 33110), (29, 33176), (30, 33188), (32, 33215), (40, 33320), (42, 33344), (45, 33368), (46, 33380), (50, 33434), (53, 33521),

Gene: Wheelbite_60 Start: 34517, Stop: 35263, Start Num: 1
Candidate Starts for Wheelbite_60:
(Start: 1 @34517 has 7 MA's), (2, 34526), (8, 34595), (10, 34628), (12, 34676), (16, 34751), (23, 34826), (24, 34832), (39, 35039), (47, 35108), (50, 35156), (53, 35243),