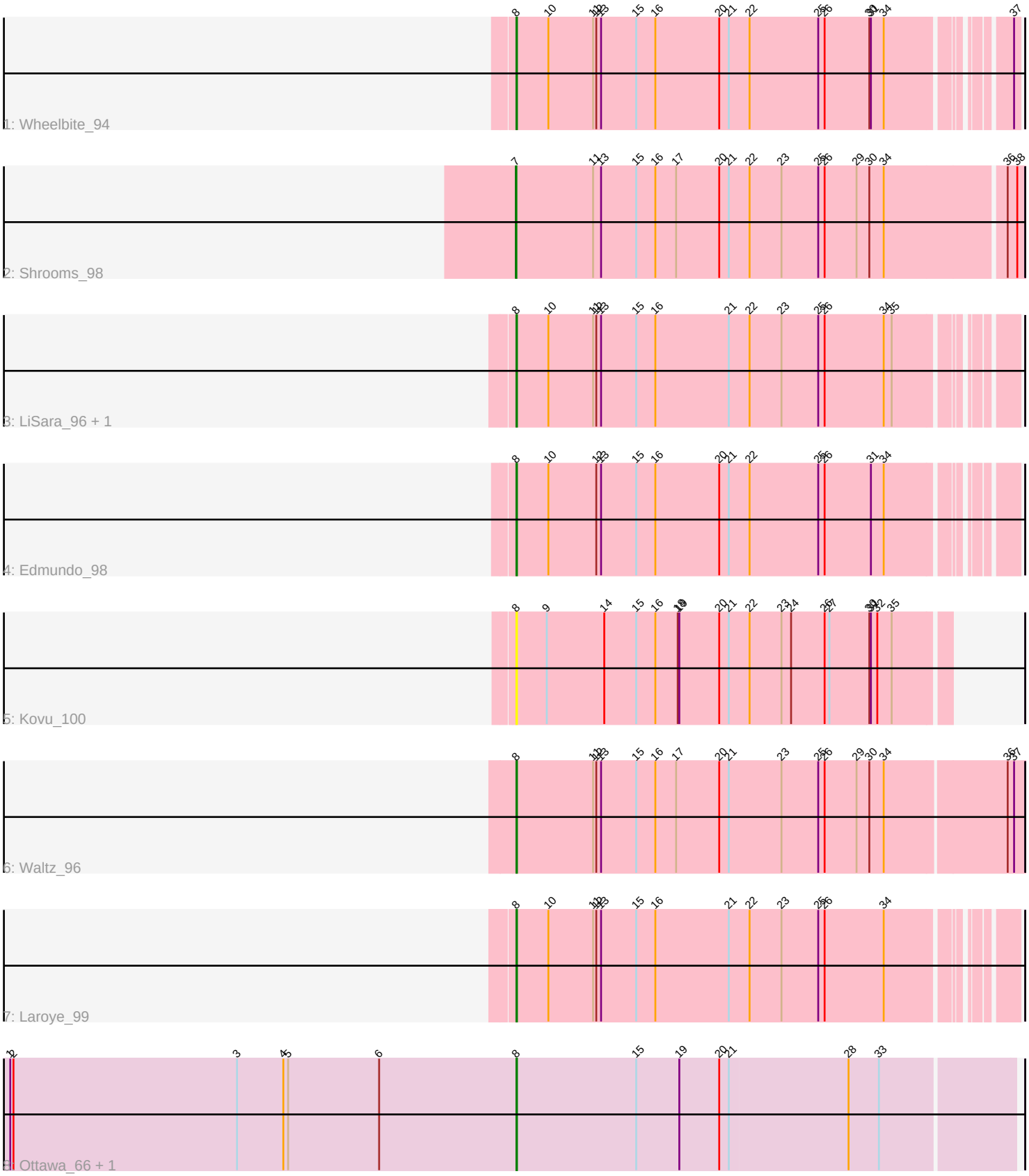
Pham 5929


1: Wheelbite_94
2: Shrooms_98
3: LiSara_96 + 1
4: Edmundo_98
5: Kovu_100
6: Waltz_96
7: Laroye_99
8: Ottawa_66 + 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 5929 Report

This analysis was run 04/12/24 on database version 558.

Pham number 5929 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wheelbite_94
• Track 2 : Shrooms_98
• Track 3 : LiSara_96, Salgado_99
• Track 4 : Edmundo_98
• Track 5 : Kovu_100
• Track 6 : Waltz_96
• Track 7 : Laroye_99
• Track 8 : Ottawa_66, Kharcho_66

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

The start number called the most often in the published annotations is 8, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_98, Kharcho_66, Kovu_100, Laroye_99, LiSara_96, Ottawa_66, Salgado_99, Waltz_96, Wheelbite_94,

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

Genes that do not have the "Most Annotated" start:
• Shrooms_98,

Summary by start number:

Start 7:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shrooms_98 (AL),

Start 8:
• Found in 9 of 10 (90.0%) of genes in pham

• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edmundo_98 (AL), Kharcho_66 (FM), Kovu_100 (AL), Laroye_99 (AL), LiSara_96 (AL), Ottawa_66 (FM), Salgado_99 (AL), Waltz_96 (AL), Wheelbite_94 (AL),

Summary by clusters:

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

Info for manual annotations of cluster AL:
•Start number 7 was manually annotated 1 time for cluster AL.
•Start number 8 was manually annotated 6 times for cluster AL.

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

Gene Information:

Gene: Edmundo_98 Start: 59231, Stop: 60118, Start Num: 8
Candidate Starts for Edmundo_98:
(Start: 8 @59231 has 8 MA's), (10, 59291), (12, 59381), (13, 59390), (15, 59456), (16, 59492), (20, 59612), (21, 59630), (22, 59669), (25, 59798), (26, 59810), (31, 59897), (34, 59921),

Gene: Kharcho_66 Start: 38503, Stop: 39426, Start Num: 8
Candidate Starts for Kharcho_66:
(1, 37552), (2, 37558), (3, 37978), (4, 38065), (5, 38074), (6, 38245), (Start: 8 @38503 has 8 MA's), (15, 38728), (19, 38809), (20, 38884), (21, 38902), (28, 39124), (33, 39181),

Gene: Kovu_100 Start: 59539, Stop: 60345, Start Num: 8
Candidate Starts for Kovu_100:
(Start: 8 @59539 has 8 MA's), (9, 59596), (14, 59704), (15, 59764), (16, 59800), (18, 59842), (19, 59845), (20, 59920), (21, 59938), (22, 59977), (23, 60037), (24, 60055), (26, 60118), (27, 60127), (30, 60202), (31, 60205), (32, 60217), (35, 60244),

Gene: Laroye_99 Start: 59046, Stop: 59933, Start Num: 8
Candidate Starts for Laroye_99:
(Start: 8 @59046 has 8 MA's), (10, 59106), (11, 59190), (12, 59196), (13, 59205), (15, 59271), (16, 59307), (21, 59445), (22, 59484), (23, 59544), (25, 59613), (26, 59625), (34, 59736),

Gene: LiSara_96 Start: 59178, Stop: 60065, Start Num: 8
Candidate Starts for LiSara_96:
(Start: 8 @59178 has 8 MA's), (10, 59238), (11, 59322), (12, 59328), (13, 59337), (15, 59403), (16, 59439), (21, 59577), (22, 59616), (23, 59676), (25, 59745), (26, 59757), (34, 59868), (35, 59883),

Gene: Ottawa_66 Start: 38453, Stop: 39376, Start Num: 8
Candidate Starts for Ottawa_66:
(1, 37502), (2, 37508), (3, 37928), (4, 38015), (5, 38024), (6, 38195), (Start: 8 @38453 has 8 MA's), (15, 38678), (19, 38759), (20, 38834), (21, 38852), (28, 39074), (33, 39131),

Gene: Salgado_99 Start: 58848, Stop: 59735, Start Num: 8

Candidate Starts for Salgado_99:
(Start: 8 @58848 has 8 MA's), (10, 58908), (11, 58992), (12, 58998), (13, 59007), (15, 59073), (16, 59109), (21, 59247), (22, 59286), (23, 59346), (25, 59415), (26, 59427), (34, 59538), (35, 59553),

Gene: Shrooms_98 Start: 58690, Stop: 59631, Start Num: 7
Candidate Starts for Shrooms_98:
(Start: 7 @58690 has 1 MA's), (11, 58834), (13, 58849), (15, 58915), (16, 58951), (17, 58990), (20, 59071), (21, 59089), (22, 59128), (23, 59188), (25, 59257), (26, 59269), (29, 59329), (30, 59353), (34, 59380), (36, 59599), (38, 59617),

Gene: Waltz_96 Start: 57478, Stop: 58422, Start Num: 8
Candidate Starts for Waltz_96:
(Start: 8 @57478 has 8 MA's), (11, 57622), (12, 57628), (13, 57637), (15, 57703), (16, 57739), (17, 57778), (20, 57859), (21, 57877), (23, 57976), (25, 58045), (26, 58057), (29, 58117), (30, 58141), (34, 58168), (36, 58390), (37, 58402),

Gene: Wheelbite_94 Start: 58919, Stop: 59806, Start Num: 8
Candidate Starts for Wheelbite_94:
(Start: 8 @58919 has 8 MA's), (10, 58979), (11, 59063), (12, 59069), (13, 59078), (15, 59144), (16, 59180), (20, 59300), (21, 59318), (22, 59357), (25, 59486), (26, 59498), (30, 59582), (31, 59585), (34, 59609), (37, 59795),