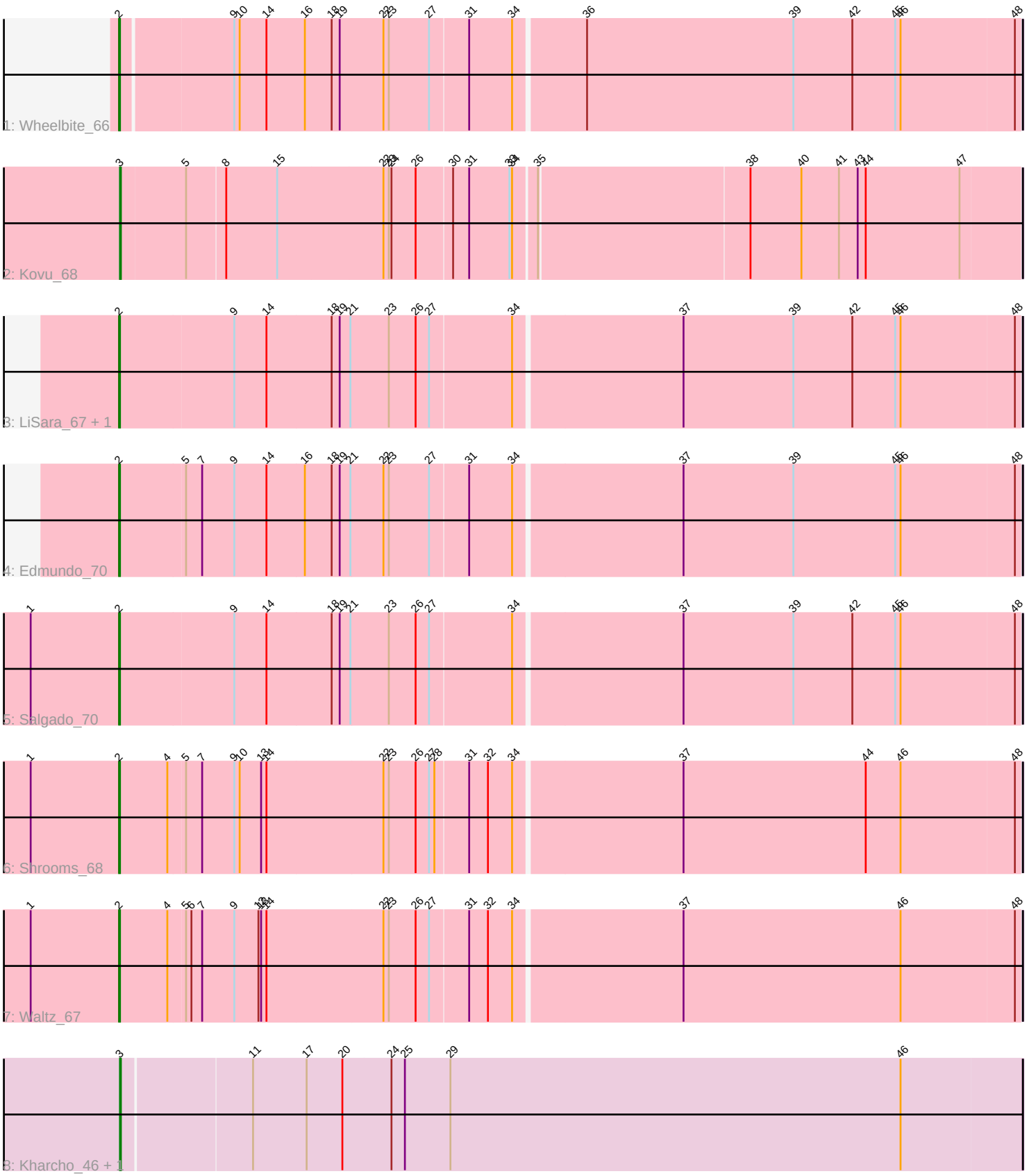
Pham 197060


1: Wheelbite_66
2: Kovu_68
3: LiSara_67 + 1
4: Edmundo_70
5: Salgado_70
6: Shrooms_68
7: Waltz_67
8: Kharcho_46 + 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 197060 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197060 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Wheelbite_66
• Track 2 : Kovu_68
• Track 3 : LiSara_67, Laroye_70
• Track 4 : Edmundo_70
• Track 5 : Salgado_70
• Track 6 : Shrooms_68
• Track 7 : Waltz_67
• Track 8 : Kharcho_46, Ottawa_46

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

Genes that call this "Most Annotated" start:
• Edmundo_70, Laroye_70, LiSara_67, Salgado_70, Shrooms_68, Waltz_67, Wheelbite_66,

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

Genes that do not have the "Most Annotated" start:
• Kharcho_46, Kovu_68, Ottawa_46,

Summary by start number:

Start 2:
• Found in 7 of 10 (70.0%) 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_70 (AL), Laroye_70 (AL), LiSara_67 (AL), Salgado_70 (AL), Shrooms_68 (AL), Waltz_67 (AL), Wheelbite_66 (AL),

Start 3:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kharcho_46 (FM), Kovu_68 (AL), Ottawa_46 (FM),

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 7 times for cluster AL.
•Start number 3 was manually annotated 1 time for cluster AL.

Info for manual annotations of cluster FM:
•Start number 3 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: Edmundo_70 Start: 43370, Stop: 44359, Start Num: 2
Candidate Starts for Edmundo_70:
(Start: 2 @43370 has 7 MA's), (5, 43442), (7, 43460), (9, 43496), (14, 43532), (16, 43574), (18, 43604), (19, 43613), (21, 43625), (22, 43661), (23, 43667), (27, 43712), (31, 43754), (34, 43802), (37, 43985), (39, 44108), (45, 44222), (46, 44228), (48, 44354),

Gene: Kharcho_46 Start: 25166, Stop: 26164, Start Num: 3
Candidate Starts for Kharcho_46:
(Start: 3 @25166 has 3 MA's), (11, 25307), (17, 25367), (20, 25406), (24, 25460), (25, 25475), (29, 25526), (46, 26030),

Gene: Kovu_68 Start: 43241, Stop: 44224, Start Num: 3
Candidate Starts for Kovu_68:
(Start: 3 @43241 has 3 MA's), (5, 43313), (8, 43355), (15, 43412), (22, 43529), (23, 43535), (24, 43538), (26, 43565), (30, 43604), (31, 43622), (33, 43667), (34, 43670), (35, 43694), (38, 43925), (40, 43982), (41, 44024), (43, 44045), (44, 44054), (47, 44159),

Gene: Laroye_70 Start: 42761, Stop: 43750, Start Num: 2
Candidate Starts for Laroye_70:
(Start: 2 @42761 has 7 MA's), (9, 42887), (14, 42923), (18, 42995), (19, 43004), (21, 43016), (23, 43058), (26, 43088), (27, 43103), (34, 43193), (37, 43376), (39, 43499), (42, 43565), (45, 43613), (46, 43619), (48, 43745),

Gene: LiSara_67 Start: 42923, Stop: 43912, Start Num: 2
Candidate Starts for LiSara_67:
(Start: 2 @42923 has 7 MA's), (9, 43049), (14, 43085), (18, 43157), (19, 43166), (21, 43178), (23, 43220), (26, 43250), (27, 43265), (34, 43355), (37, 43538), (39, 43661), (42, 43727), (45, 43775), (46, 43781), (48, 43907),

Gene: Ottawa_46 Start: 25164, Stop: 26162, Start Num: 3
Candidate Starts for Ottawa_46:

(Start: 3 @25164 has 3 MA's), (11, 25305), (17, 25365), (20, 25404), (24, 25458), (25, 25473), (29, 25524), (46, 26028),

Gene: Salgado_70 Start: 42577, Stop: 43566, Start Num: 2
Candidate Starts for Salgado_70:
(1, 42478), (Start: 2 @42577 has 7 MA's), (9, 42703), (14, 42739), (18, 42811), (19, 42820), (21, 42832), (23, 42874), (26, 42904), (27, 42919), (34, 43009), (37, 43192), (39, 43315), (42, 43381), (45, 43429), (46, 43435), (48, 43561),

Gene: Shrooms_68 Start: 41098, Stop: 42087, Start Num: 2
Candidate Starts for Shrooms_68:
(1, 40999), (Start: 2 @41098 has 7 MA's), (4, 41152), (5, 41170), (7, 41188), (9, 41224), (10, 41230), (13, 41254), (14, 41260), (22, 41389), (23, 41395), (26, 41425), (27, 41440), (28, 41446), (31, 41482), (32, 41503), (34, 41530), (37, 41713), (44, 41917), (46, 41956), (48, 42082),

Gene: Waltz_67 Start: 41111, Stop: 42100, Start Num: 2
Candidate Starts for Waltz_67:
(1, 41012), (Start: 2 @41111 has 7 MA's), (4, 41165), (5, 41183), (6, 41189), (7, 41201), (9, 41237), (12, 41264), (13, 41267), (14, 41273), (22, 41402), (23, 41408), (26, 41438), (27, 41453), (31, 41495), (32, 41516), (34, 41543), (37, 41726), (46, 41969), (48, 42095),

Gene: Wheelbite_66 Start: 42734, Stop: 43717, Start Num: 2
Candidate Starts for Wheelbite_66:
(Start: 2 @42734 has 7 MA's), (9, 42854), (10, 42860), (14, 42890), (16, 42932), (18, 42962), (19, 42971), (22, 43019), (23, 43025), (27, 43070), (31, 43112), (34, 43160), (36, 43235), (39, 43466), (42, 43532), (45, 43580), (46, 43586), (48, 43712),