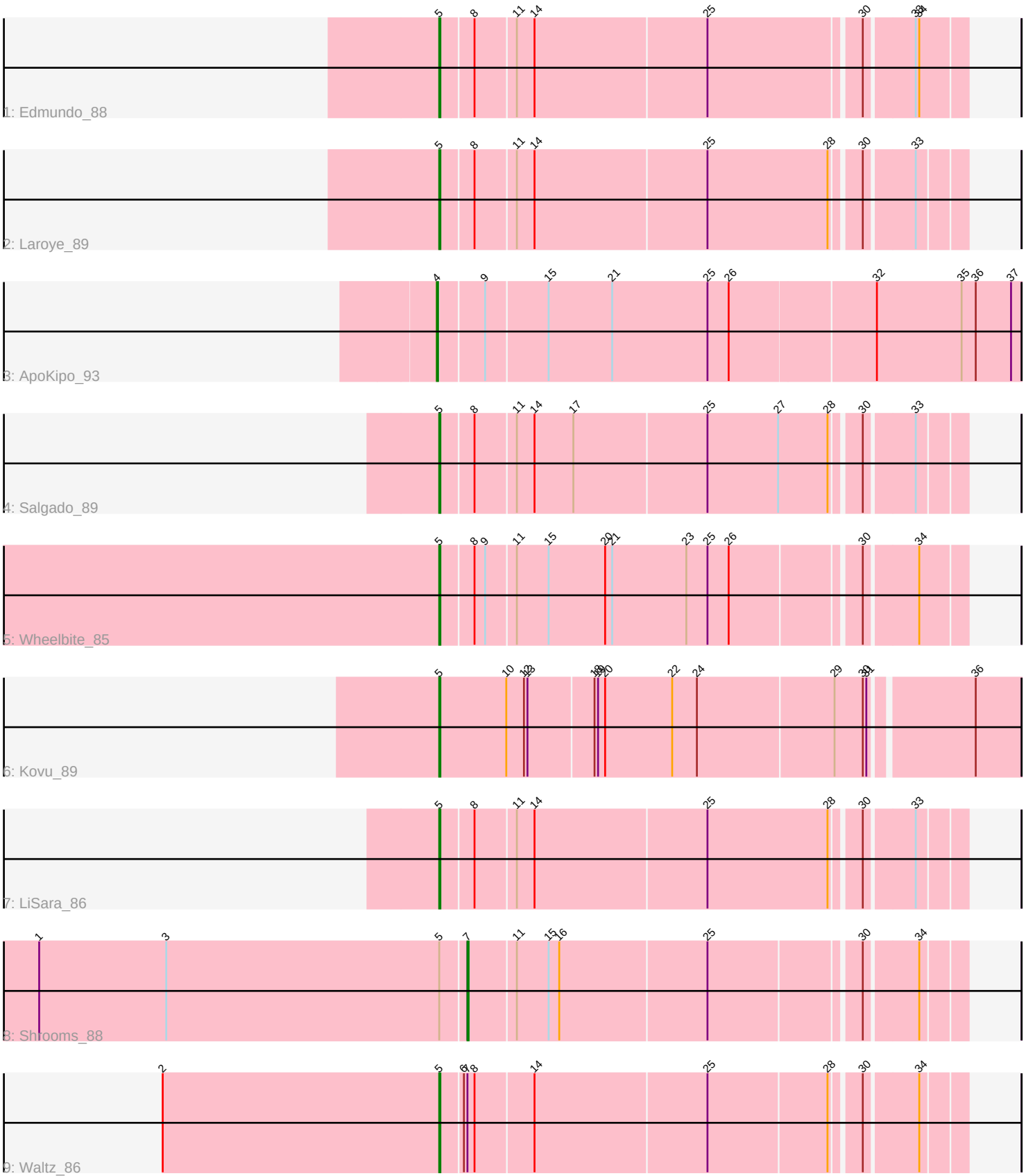
Pham 346434


1: Edmundo_88
2: Laroye_89
3: ApoKipo_93
4: Salgado_89
5: Wheelbite_85
6: Kovu_89
7: LiSara_86
8: Shrooms_88
9: Waltz_86

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 346434 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346434 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Edmundo_88
• Track 2 : Laroye_89
• Track 3 : ApoKipo_93
• Track 4 : Salgado_89
• Track 5 : Wheelbite_85
• Track 6 : Kovu_89
• Track 7 : LiSara_86
• Track 8 : Shrooms_88
• Track 9 : Waltz_86

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_88, Kovu_89, Laroye_89, LiSara_86, Salgado_89, Waltz_86, Wheelbite_85,

Genes that have the "Most Annotated" start but do not call it:
• Shrooms_88,

Genes that do not have the "Most Annotated" start:
• ApoKipo_93,

Summary by start number:

Start 4:
• Found in 1 of 9 (11.1%) 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: ApoKipo_93 (AL),

Start 5:

• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Edmundo_88 (AL), Kovu_89 (AL), Laroye_89 (AL), LiSara_86 (AL), Salgado_89 (AL), Waltz_86 (AL), Wheelbite_85 (AL),

Start 7:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Shrooms_88 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:
•Start number 4 was manually annotated 1 time for cluster AL.
•Start number 5 was manually annotated 7 times for cluster AL.
•Start number 7 was manually annotated 1 time for cluster AL.

Gene Information:

Gene: ApoKipo_93 Start: 54319, Stop: 54801, Start Num: 4
Candidate Starts for ApoKipo_93:
(Start: 4 @54319 has 1 MA's), (9, 54355), (15, 54406), (21, 54460), (25, 54541), (26, 54559), (32, 54679), (35, 54751), (36, 54763), (37, 54793),

Gene: Edmundo_88 Start: 53009, Stop: 53431, Start Num: 5
Candidate Starts for Edmundo_88:
(Start: 5 @53009 has 7 MA's), (8, 53036), (11, 53069), (14, 53084), (25, 53228), (30, 53351), (33, 53390), (34, 53393),

Gene: Kovu_89 Start: 53803, Stop: 54279, Start Num: 5
Candidate Starts for Kovu_89:
(Start: 5 @53803 has 7 MA's), (10, 53860), (12, 53875), (13, 53878), (18, 53932), (19, 53935), (20, 53941), (22, 53998), (24, 54019), (29, 54133), (30, 54157), (31, 54160), (36, 54241),

Gene: Laroye_89 Start: 52815, Stop: 53234, Start Num: 5
Candidate Starts for Laroye_89:
(Start: 5 @52815 has 7 MA's), (8, 52842), (11, 52875), (14, 52890), (25, 53034), (28, 53136), (30, 53157), (33, 53196),

Gene: LiSara_86 Start: 52947, Stop: 53366, Start Num: 5
Candidate Starts for LiSara_86:
(Start: 5 @52947 has 7 MA's), (8, 52974), (11, 53007), (14, 53022), (25, 53166), (28, 53268), (30, 53289), (33, 53328),

Gene: Salgado_89 Start: 52617, Stop: 53036, Start Num: 5
Candidate Starts for Salgado_89:

(Start: 5 @52617 has 7 MA's), (8, 52644), (11, 52677), (14, 52692), (17, 52725), (25, 52836), (27, 52896), (28, 52938), (30, 52959), (33, 52998),

Gene: Shrooms_88 Start: 52287, Stop: 52682, Start Num: 7
Candidate Starts for Shrooms_88:
(1, 51927), (3, 52035), (Start: 5 @52266 has 7 MA's), (Start: 7 @52287 has 1 MA's), (11, 52326), (15, 52353), (16, 52362), (25, 52485), (30, 52605), (34, 52647),

Gene: Waltz_86 Start: 51054, Stop: 51470, Start Num: 5
Candidate Starts for Waltz_86:
(2, 50820), (Start: 5 @51054 has 7 MA's), (6, 51072), (Start: 7 @51075 has 1 MA's), (8, 51081), (14, 51129), (25, 51273), (28, 51372), (30, 51393), (34, 51435),

Gene: Wheelbite_85 Start: 52708, Stop: 53130, Start Num: 5
Candidate Starts for Wheelbite_85:
(Start: 5 @52708 has 7 MA's), (8, 52735), (9, 52744), (11, 52768), (15, 52795), (20, 52843), (21, 52849), (23, 52912), (25, 52930), (26, 52948), (30, 53050), (34, 53092),