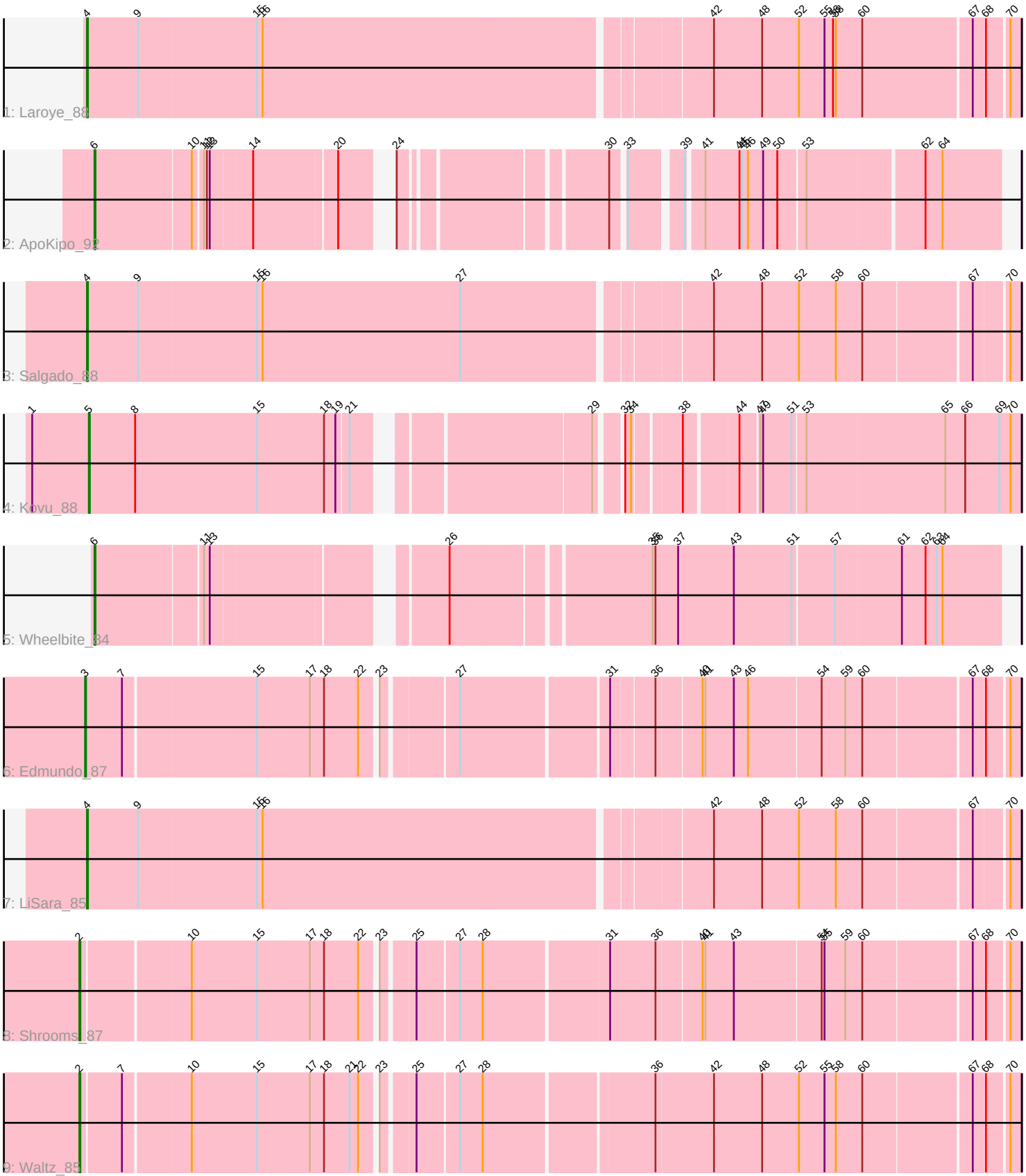
Pham 344654


1: Laroye_88
2: ApoKipo_92
3: Salgado_88
4: Kovu_88
5: Wheelbite_84
6: Edmundo_87
7: LiSara_85
8: Shrooms_87
9: Waltz_85

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 344654 Report

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

Pham number 344654 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Laroye_88
• Track 2 : ApoKipo_92
• Track 3 : Salgado_88
• Track 4 : Kovu_88
• Track 5 : Wheelbite_84
• Track 6 : Edmundo_87
• Track 7 : LiSara_85
• Track 8 : Shrooms_87
• Track 9 : Waltz_85

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Laroye_88, LiSara_85, Salgado_88,

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

Genes that do not have the "Most Annotated" start:
• ApoKipo_92, Edmundo_87, Kovu_88, Shrooms_87, Waltz_85, Wheelbite_84,

Summary by start number:

Start 2:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shrooms_87 (AL), Waltz_85 (AL),

Start 3:
• 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: Edmundo_87 (AL),

Start 4:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laroye_88 (AL), LiSara_85 (AL), Salgado_88 (AL),

Start 5:
• 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: Kovu_88 (AL),

Start 6:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ApoKipo_92 (AL), Wheelbite_84 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:
•Start number 2 was manually annotated 2 times for cluster AL.
•Start number 3 was manually annotated 1 time for cluster AL.
•Start number 4 was manually annotated 3 times for cluster AL.
•Start number 5 was manually annotated 1 time for cluster AL.
•Start number 6 was manually annotated 2 times for cluster AL.

Gene Information:

Gene: ApoKipo_92 Start: 53492, Stop: 54322, Start Num: 6
Candidate Starts for ApoKipo_92:
(Start: 6 @53492 has 2 MA's), (10, 53591), (11, 53600), (12, 53603), (13, 53606), (14, 53648), (20, 53732), (24, 53768), (30, 53957), (33, 53969), (39, 54014), (41, 54029), (44, 54062), (45, 54065), (46, 54071), (49, 54086), (50, 54101), (53, 54128), (62, 54245), (64, 54263),

Gene: Edmundo_87 Start: 52098, Stop: 53012, Start Num: 3
Candidate Starts for Edmundo_87:
(Start: 3 @52098 has 1 MA's), (7, 52134), (15, 52269), (17, 52323), (18, 52338), (22, 52374), (23, 52389), (27, 52461), (31, 52608), (36, 52650), (40, 52695), (41, 52698), (43, 52728), (46, 52743), (54, 52818), (59, 52842), (60, 52860), (67, 52968), (68, 52980), (70, 53001),

Gene: Kovu_88 Start: 52910, Stop: 53806, Start Num: 5
Candidate Starts for Kovu_88:

(1, 52850), (Start: 5 @52910 has 1 MA's), (8, 52958), (15, 53087), (18, 53156), (19, 53168), (21, 53180), (29, 53396), (32, 53417), (34, 53423), (38, 53468), (44, 53519), (47, 53537), (49, 53540), (51, 53570), (53, 53582), (65, 53726), (66, 53747), (69, 53783), (70, 53795),

Gene: Laroye_88 Start: 51871, Stop: 52818, Start Num: 4
Candidate Starts for Laroye_88:
(Start: 4 @51871 has 3 MA's), (9, 51925), (15, 52048), (16, 52054), (42, 52507), (48, 52558), (52, 52597), (55, 52624), (56, 52633), (58, 52636), (60, 52663), (67, 52774), (68, 52786), (70, 52807),

Gene: LiSara_85 Start: 52006, Stop: 52950, Start Num: 4
Candidate Starts for LiSara_85:
(Start: 4 @52006 has 3 MA's), (9, 52060), (15, 52183), (16, 52189), (42, 52642), (48, 52693), (52, 52732), (58, 52771), (60, 52798), (67, 52906), (70, 52939),

Gene: Salgado_88 Start: 51676, Stop: 52620, Start Num: 4
Candidate Starts for Salgado_88:
(Start: 4 @51676 has 3 MA's), (9, 51730), (15, 51853), (16, 51859), (27, 52066), (42, 52312), (48, 52363), (52, 52402), (58, 52441), (60, 52468), (67, 52576), (70, 52609),

Gene: Shrooms_87 Start: 51343, Stop: 52269, Start Num: 2
Candidate Starts for Shrooms_87:
(Start: 2 @51343 has 2 MA's), (10, 51448), (15, 51517), (17, 51571), (18, 51586), (22, 51622), (23, 51637), (25, 51667), (27, 51709), (28, 51733), (31, 51859), (36, 51907), (40, 51952), (41, 51955), (43, 51985), (54, 52075), (55, 52078), (59, 52099), (60, 52117), (67, 52225), (68, 52237), (70, 52258),

Gene: Waltz_85 Start: 50131, Stop: 51057, Start Num: 2
Candidate Starts for Waltz_85:
(Start: 2 @50131 has 2 MA's), (7, 50170), (10, 50236), (15, 50305), (17, 50359), (18, 50374), (21, 50401), (22, 50410), (23, 50425), (25, 50455), (27, 50497), (28, 50521), (36, 50689), (42, 50749), (48, 50800), (52, 50839), (55, 50866), (58, 50878), (60, 50905), (67, 51013), (68, 51025), (70, 51046),

Gene: Wheelbite_84 Start: 51833, Stop: 52711, Start Num: 6
Candidate Starts for Wheelbite_84:
(Start: 6 @51833 has 2 MA's), (11, 51941), (13, 51947), (26, 52160), (35, 52355), (36, 52358), (37, 52382), (43, 52439), (51, 52499), (57, 52541), (61, 52610), (62, 52634), (63, 52646), (64, 52652),