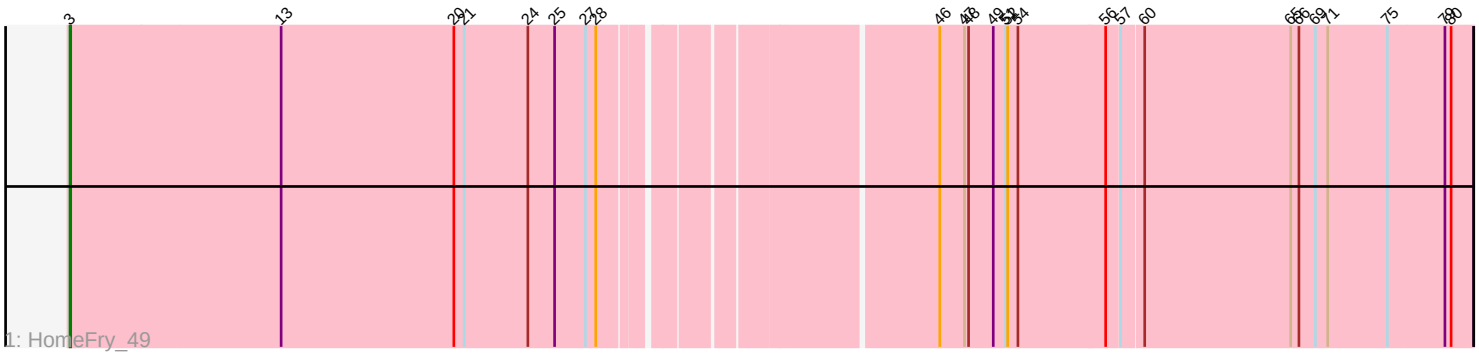
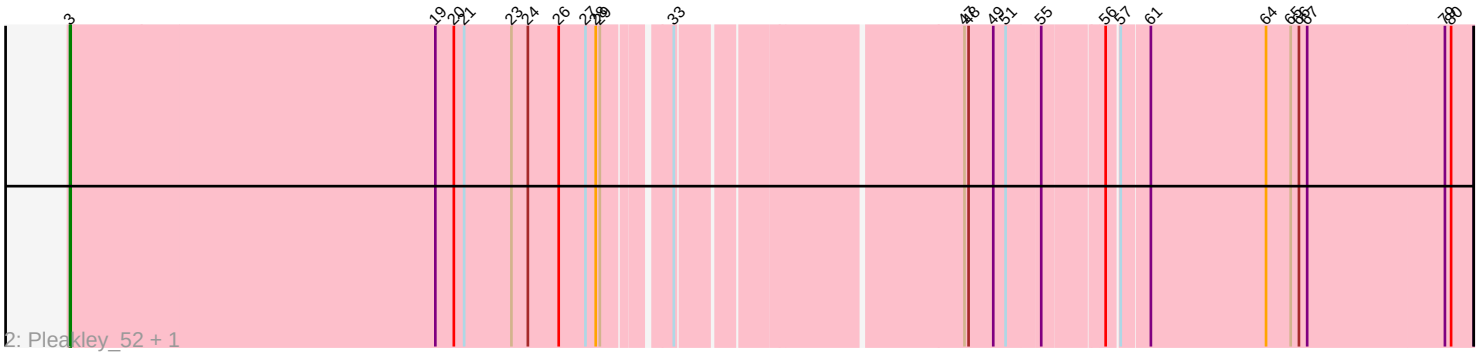
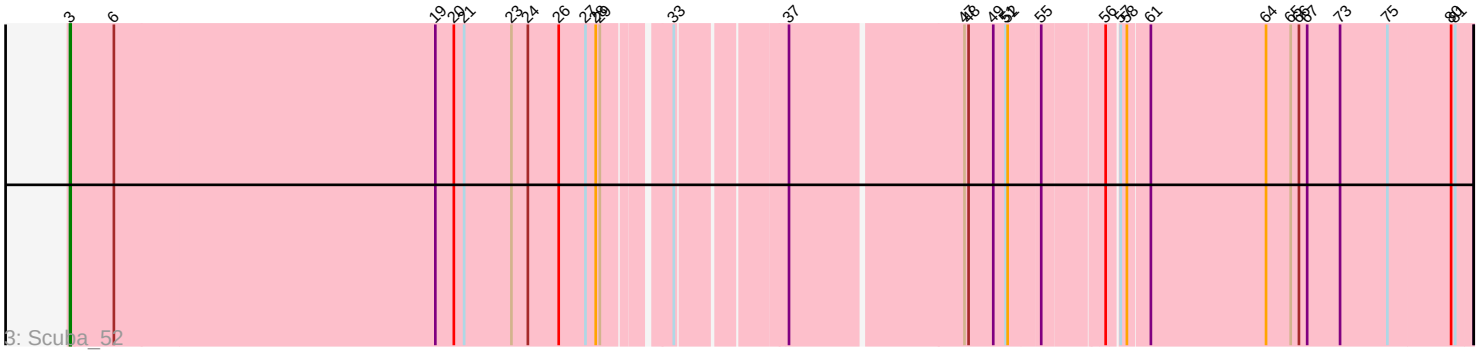
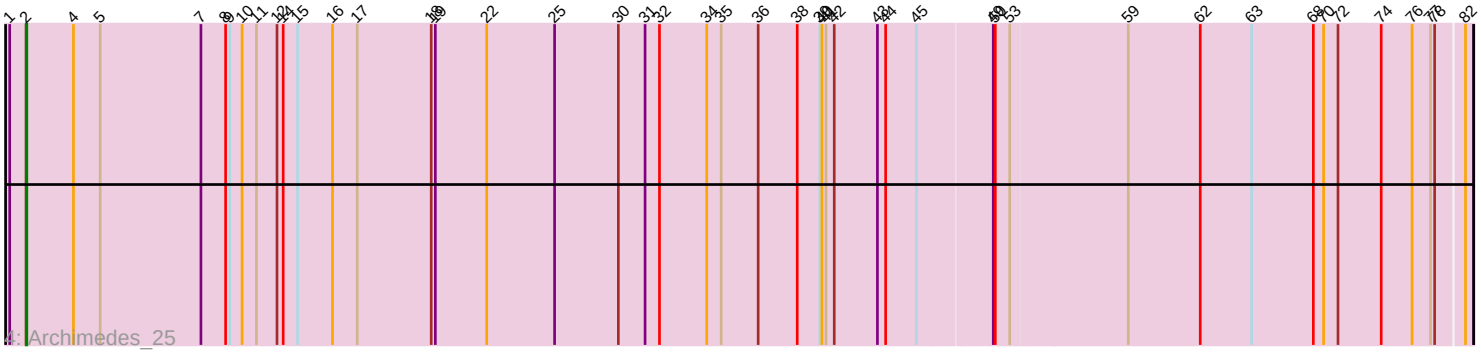
Pham 338835









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 338835 Report

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

Pham number 338835 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : HomeFry_49
• Track 2 : Pleakley_52, Fury_52
• Track 3 : Scuba_52
• Track 4 : Archimedes_25

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fury_52, HomeFry_49, Pleakley_52, Scuba_52,

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

Genes that do not have the "Most Annotated" start:
• Archimedes_25,

Summary by start number:

Start 2:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_25 (DA),

Start 3:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fury_52 (CR5), HomeFry_49 (CR5), Pleakley_52 (CR5), Scuba_52 (CR5),

Summary by clusters:

There are 2 clusters represented in this pham: DA, CR5,

Info for manual annotations of cluster CR5:
•Start number 3 was manually annotated 4 times for cluster CR5.

Info for manual annotations of cluster DA:
•Start number 2 was manually annotated 1 time for cluster DA.

Gene Information:

Gene: Archimedes_25 Start: 21301, Stop: 23370, Start Num: 2
Candidate Starts for Archimedes_25:
(1, 21277), (Start: 2 @21301 has 1 MA's), (4, 21370), (5, 21409), (7, 21553), (8, 21589), (9, 21595), (10, 21613), (11, 21634), (12, 21664), (14, 21673), (15, 21694), (16, 21745), (17, 21781), (18, 21889), (19, 21895), (22, 21970), (25, 22069), (30, 22162), (31, 22201), (32, 22222), (34, 22291), (35, 22312), (36, 22366), (38, 22423), (39, 22456), (40, 22459), (41, 22465), (42, 22477), (43, 22540), (44, 22552), (45, 22597), (49, 22696), (50, 22699), (53, 22720), (59, 22882), (62, 22984), (63, 23059), (68, 23149), (70, 23164), (72, 23182), (74, 23245), (76, 23290), (77, 23317), (78, 23323), (82, 23359),

Gene: Fury_52 Start: 33460, Stop: 35397, Start Num: 3
Candidate Starts for Fury_52:
(Start: 3 @33460 has 4 MA's), (19, 33988), (20, 34015), (21, 34030), (23, 34099), (24, 34123), (26, 34168), (27, 34207), (28, 34222), (29, 34228), (33, 34312), (47, 34693), (48, 34699), (49, 34735), (51, 34753), (55, 34798), (56, 34879), (57, 34891), (61, 34930), (64, 35098), (65, 35134), (66, 35146), (67, 35158), (79, 35356), (80, 35365),

Gene: HomeFry_49 Start: 32074, Stop: 34029, Start Num: 3
Candidate Starts for HomeFry_49:
(Start: 3 @32074 has 4 MA's), (13, 32377), (20, 32629), (21, 32644), (24, 32737), (25, 32776), (27, 32821), (28, 32836), (46, 33271), (47, 33307), (48, 33313), (49, 33349), (51, 33367), (52, 33370), (54, 33385), (56, 33508), (57, 33526), (60, 33556), (65, 33769), (66, 33781), (69, 33805), (71, 33823), (75, 33910), (79, 33991), (80, 34000),

Gene: Pleakley_52 Start: 33461, Stop: 35398, Start Num: 3
Candidate Starts for Pleakley_52:
(Start: 3 @33461 has 4 MA's), (19, 33989), (20, 34016), (21, 34031), (23, 34100), (24, 34124), (26, 34169), (27, 34208), (28, 34223), (29, 34229), (33, 34313), (47, 34694), (48, 34700), (49, 34736), (51, 34754), (55, 34799), (56, 34880), (57, 34892), (61, 34931), (64, 35099), (65, 35135), (66, 35147), (67, 35159), (79, 35357), (80, 35366),

Gene: Scuba_52 Start: 33538, Stop: 35472, Start Num: 3
Candidate Starts for Scuba_52:
(Start: 3 @33538 has 4 MA's), (6, 33601), (19, 34066), (20, 34093), (21, 34108), (23, 34177), (24, 34201), (26, 34246), (27, 34285), (28, 34300), (29, 34306), (33, 34390), (37, 34528), (47, 34771), (48, 34777), (49, 34813), (51, 34831), (52, 34834), (55, 34876), (56, 34957), (57, 34969), (58, 34978), (61, 35008), (64, 35176), (65, 35212), (66, 35224), (67, 35236), (73, 35284), (75, 35353), (80, 35443), (81, 35449),