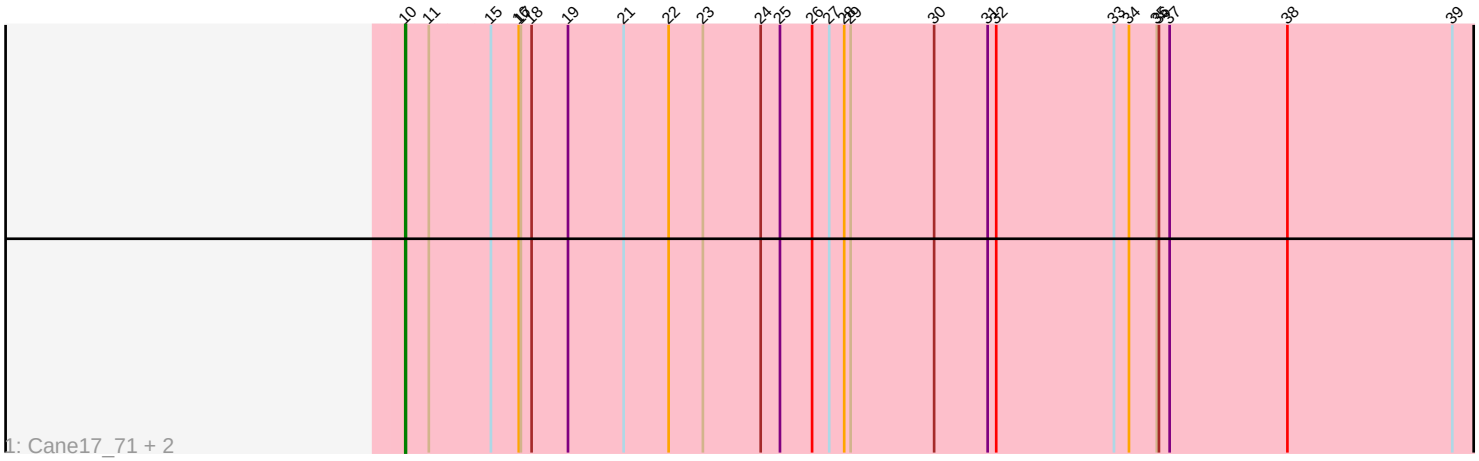
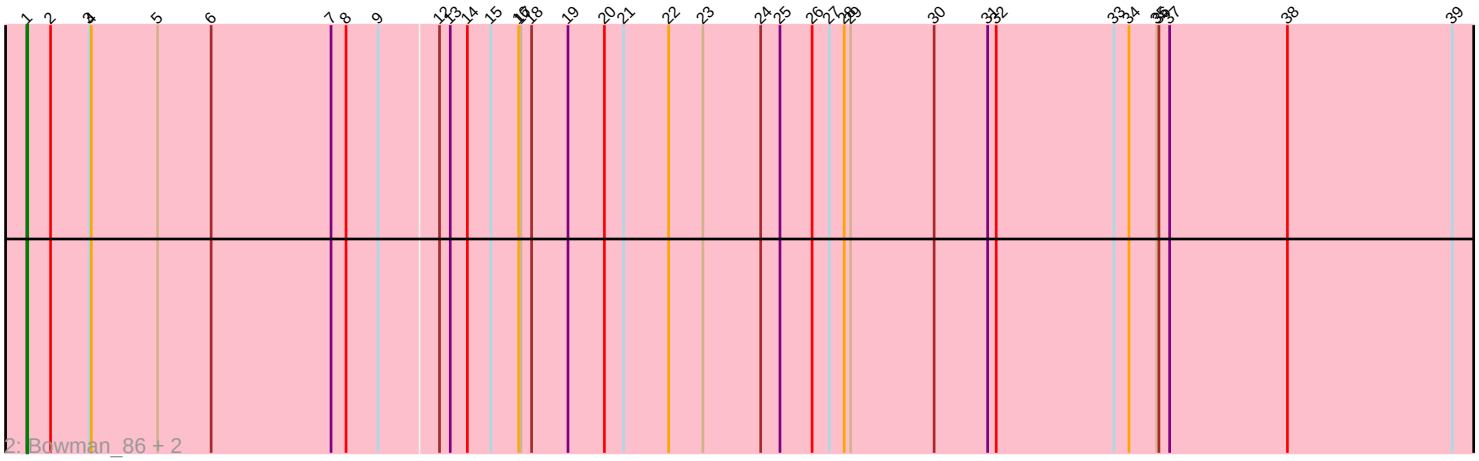
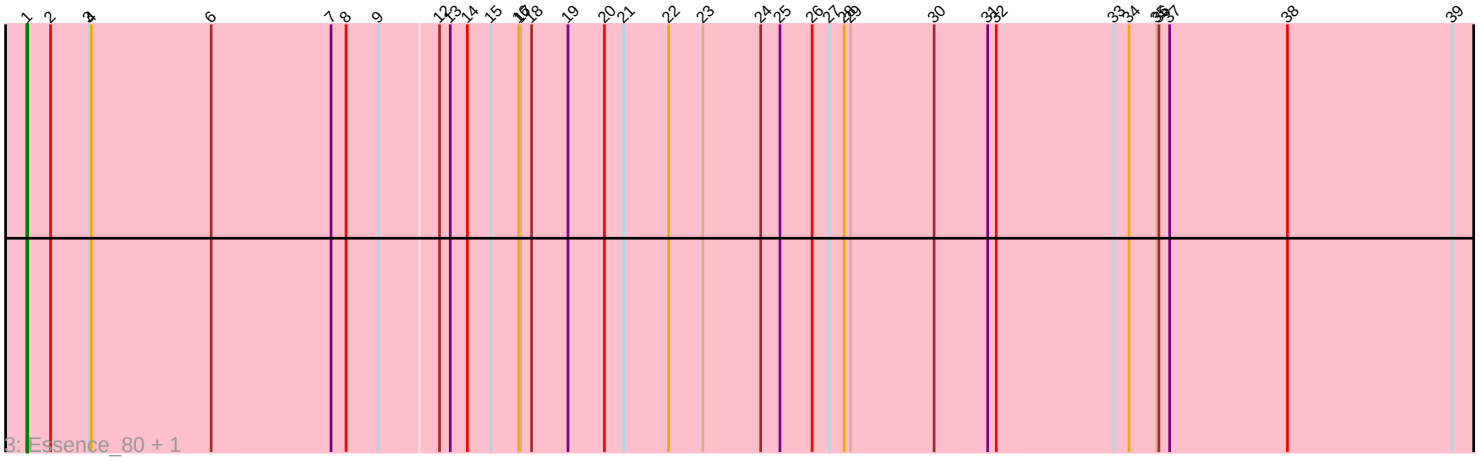
Pham 344708







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 344708 Report

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

Pham number 344708 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Cane17_71, Colt_73, Blubba_73
• Track 2 : Bowman_86, Lukilu_73, Cleatunium_78
• Track 3 : Essence_80, LordLeafolot_89

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bowman_86, Cleatunium_78, Essence_80, LordLeafolot_89, Lukilu_73,

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

Genes that do not have the "Most Annotated" start:
• Blubba_73, Cane17_71, Colt_73,

Summary by start number:

Start 1:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bowman_86 (C1), Cleatunium_78 (C1), Essence_80 (C1), LordLeafolot_89 (C1), Lukilu_73 (C1),

Start 10:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Blubba_73 (C1), Cane17_71 (C1), Colt_73 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 1 was manually annotated 5 times for cluster C1.
•Start number 10 was manually annotated 3 times for cluster C1.

Gene Information:

Gene: Blubba_73 Start: 26317, Stop: 27831, Start Num: 10
Candidate Starts for Blubba_73:
(Start: 10 @26317 has 3 MA's), (11, 26350), (15, 26431), (16, 26470), (17, 26473), (18, 26488), (19, 26539), (21, 26617), (22, 26680), (23, 26728), (24, 26809), (25, 26836), (26, 26881), (27, 26905), (28, 26926), (29, 26935), (30, 27052), (31, 27127), (32, 27139), (33, 27304), (34, 27325), (35, 27364), (36, 27367), (37, 27382), (38, 27547), (39, 27778),

Gene: Bowman_86 Start: 29552, Stop: 31594, Start Num: 1
Candidate Starts for Bowman_86:
(Start: 1 @29552 has 5 MA's), (2, 29585), (3, 29639), (4, 29642), (5, 29735), (6, 29810), (7, 29978), (8, 29999), (9, 30044), (12, 30122), (13, 30137), (14, 30161), (15, 30194), (16, 30233), (17, 30236), (18, 30251), (19, 30302), (20, 30353), (21, 30380), (22, 30443), (23, 30491), (24, 30572), (25, 30599), (26, 30644), (27, 30668), (28, 30689), (29, 30698), (30, 30815), (31, 30890), (32, 30902), (33, 31067), (34, 31088), (35, 31127), (36, 31130), (37, 31145), (38, 31310), (39, 31541),

Gene: Cane17_71 Start: 25927, Stop: 27441, Start Num: 10
Candidate Starts for Cane17_71:
(Start: 10 @25927 has 3 MA's), (11, 25960), (15, 26041), (16, 26080), (17, 26083), (18, 26098), (19, 26149), (21, 26227), (22, 26290), (23, 26338), (24, 26419), (25, 26446), (26, 26491), (27, 26515), (28, 26536), (29, 26545), (30, 26662), (31, 26737), (32, 26749), (33, 26914), (34, 26935), (35, 26974), (36, 26977), (37, 26992), (38, 27157), (39, 27388),

Gene: Cleatunium_78 Start: 28648, Stop: 30690, Start Num: 1
Candidate Starts for Cleatunium_78:
(Start: 1 @28648 has 5 MA's), (2, 28681), (3, 28735), (4, 28738), (5, 28831), (6, 28906), (7, 29074), (8, 29095), (9, 29140), (12, 29218), (13, 29233), (14, 29257), (15, 29290), (16, 29329), (17, 29332), (18, 29347), (19, 29398), (20, 29449), (21, 29476), (22, 29539), (23, 29587), (24, 29668), (25, 29695), (26, 29740), (27, 29764), (28, 29785), (29, 29794), (30, 29911), (31, 29986), (32, 29998), (33, 30163), (34, 30184), (35, 30223), (36, 30226), (37, 30241), (38, 30406), (39, 30637),

Gene: Colt_73 Start: 26989, Stop: 28503, Start Num: 10
Candidate Starts for Colt_73:
(Start: 10 @26989 has 3 MA's), (11, 27022), (15, 27103), (16, 27142), (17, 27145), (18, 27160), (19, 27211), (21, 27289), (22, 27352), (23, 27400), (24, 27481), (25, 27508), (26, 27553), (27, 27577), (28, 27598), (29, 27607), (30, 27724), (31, 27799), (32, 27811), (33, 27976), (34, 27997), (35, 28036), (36, 28039), (37, 28054), (38, 28219), (39, 28450),

Gene: Essence_80 Start: 27727, Stop: 29769, Start Num: 1
Candidate Starts for Essence_80:
(Start: 1 @27727 has 5 MA's), (2, 27760), (3, 27814), (4, 27817), (6, 27985), (7, 28153), (8, 28174), (9, 28219), (12, 28297), (13, 28312), (14, 28336), (15, 28369), (16, 28408), (17, 28411), (18, 28426), (19,

28477), (20, 28528), (21, 28555), (22, 28618), (23, 28666), (24, 28747), (25, 28774), (26, 28819), (27, 28843), (28, 28864), (29, 28873), (30, 28990), (31, 29065), (32, 29077), (33, 29242), (34, 29263), (35, 29302), (36, 29305), (37, 29320), (38, 29485), (39, 29716),

Gene: LordLeafolot_89 Start: 31065, Stop: 33107, Start Num: 1
Candidate Starts for LordLeafolot_89:
(Start: 1 @31065 has 5 MA's), (2, 31098), (3, 31152), (4, 31155), (6, 31323), (7, 31491), (8, 31512), (9, 31557), (12, 31635), (13, 31650), (14, 31674), (15, 31707), (16, 31746), (17, 31749), (18, 31764), (19, 31815), (20, 31866), (21, 31893), (22, 31956), (23, 32004), (24, 32085), (25, 32112), (26, 32157), (27, 32181), (28, 32202), (29, 32211), (30, 32328), (31, 32403), (32, 32415), (33, 32580), (34, 32601), (35, 32640), (36, 32643), (37, 32658), (38, 32823), (39, 33054),

Gene: Lukilu_73 Start: 28187, Stop: 30229, Start Num: 1
Candidate Starts for Lukilu_73:
(Start: 1 @28187 has 5 MA's), (2, 28220), (3, 28274), (4, 28277), (5, 28370), (6, 28445), (7, 28613), (8, 28634), (9, 28679), (12, 28757), (13, 28772), (14, 28796), (15, 28829), (16, 28868), (17, 28871), (18, 28886), (19, 28937), (20, 28988), (21, 29015), (22, 29078), (23, 29126), (24, 29207), (25, 29234), (26, 29279), (27, 29303), (28, 29324), (29, 29333), (30, 29450), (31, 29525), (32, 29537), (33, 29702), (34, 29723), (35, 29762), (36, 29765), (37, 29780), (38, 29945), (39, 30176),