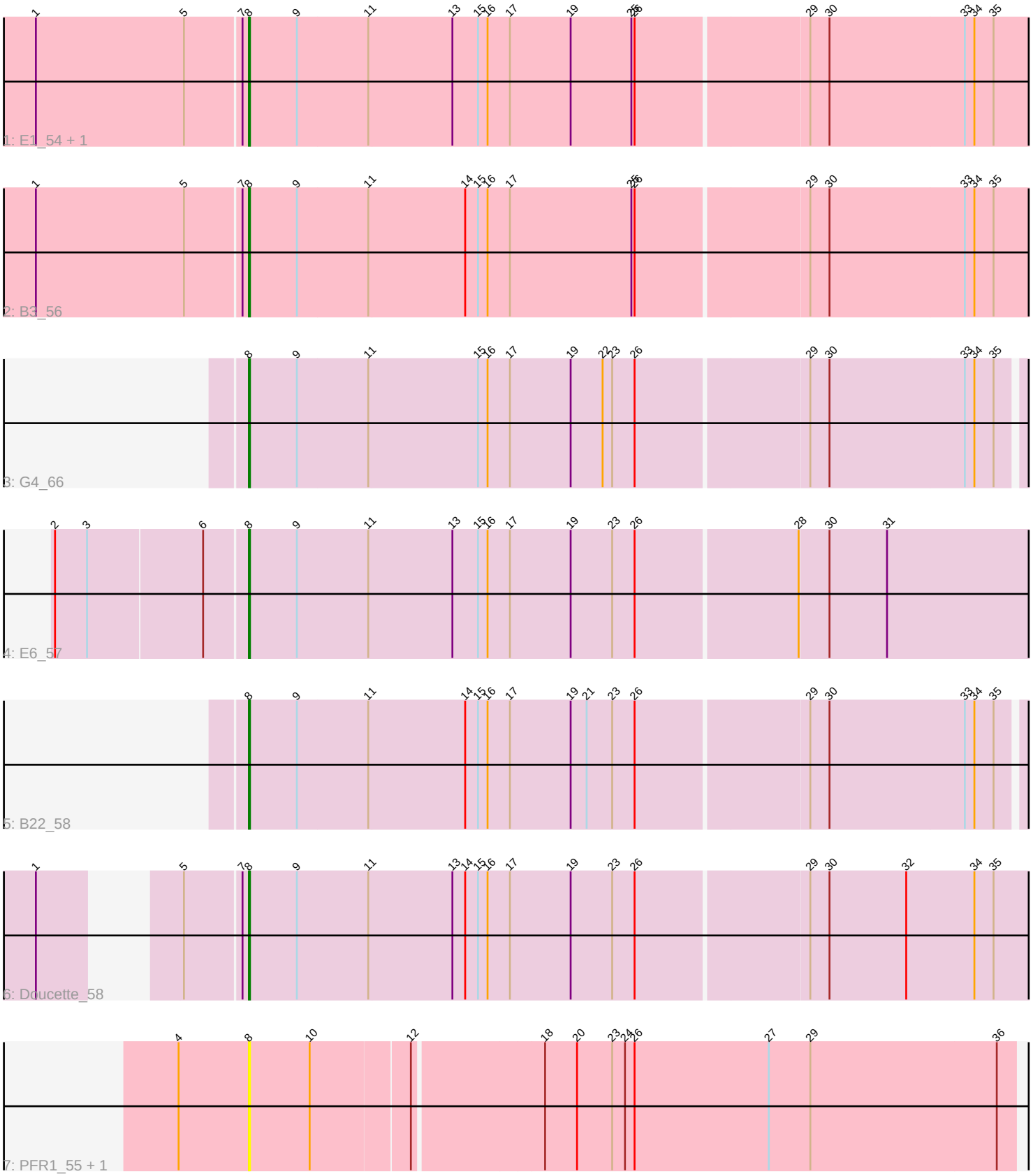
Pham 337362



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 337362 Report

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

Pham number 337362 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : E1_54, Anatole_54
• Track 2 : B3_56
• Track 3 : G4_66
• Track 4 : E6_57
• Track 5 : B22_58
• Track 6 : Doucette_58
• Track 7 : PFR1_55, PFR2_57

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

The start number called the most often in the published annotations is 8, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anatole_54, B22_58, B3_56, Doucette_58, E1_54, E6_57, G4_66, PFR1_55, PFR2_57,

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

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

Summary by start number:

Start 8:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anatole_54 (BV), B22_58 (BW), B3_56 (BV), Doucette_58 (BW), E1_54 (BV), E6_57 (BW), G4_66 (BW), PFR1_55 (BX), PFR2_57 (BX),

Summary by clusters:

There are 3 clusters represented in this pham: BV, BW, BX,

Info for manual annotations of cluster BV:
•Start number 8 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster BW:
•Start number 8 was manually annotated 4 times for cluster BW.

Gene Information:

Gene: Anatole_54 Start: 34006, Stop: 34731, Start Num: 8
Candidate Starts for Anatole_54:
(1, 33811), (5, 33949), (7, 34000), (Start: 8 @34006 has 7 MA's), (9, 34051), (11, 34117), (13, 34195), (15, 34219), (16, 34228), (17, 34249), (19, 34306), (25, 34363), (26, 34366), (29, 34522), (30, 34540), (33, 34666), (34, 34675), (35, 34693),

Gene: B22_58 Start: 35353, Stop: 36069, Start Num: 8
Candidate Starts for B22_58:
(Start: 8 @35353 has 7 MA's), (9, 35398), (11, 35464), (14, 35554), (15, 35566), (16, 35575), (17, 35596), (19, 35653), (21, 35668), (23, 35692), (26, 35713), (29, 35869), (30, 35887), (33, 36013), (34, 36022), (35, 36040),

Gene: B3_56 Start: 34669, Stop: 35394, Start Num: 8
Candidate Starts for B3_56:
(1, 34474), (5, 34612), (7, 34663), (Start: 8 @34669 has 7 MA's), (9, 34714), (11, 34780), (14, 34870), (15, 34882), (16, 34891), (17, 34912), (25, 35026), (26, 35029), (29, 35185), (30, 35203), (33, 35329), (34, 35338), (35, 35356),

Gene: Doucette_58 Start: 35555, Stop: 36280, Start Num: 8
Candidate Starts for Doucette_58:
(1, 35420), (5, 35498), (7, 35549), (Start: 8 @35555 has 7 MA's), (9, 35600), (11, 35666), (13, 35744), (14, 35756), (15, 35768), (16, 35777), (17, 35798), (19, 35855), (23, 35894), (26, 35915), (29, 36071), (30, 36089), (32, 36161), (34, 36224), (35, 36242),

Gene: E1_54 Start: 33931, Stop: 34656, Start Num: 8
Candidate Starts for E1_54:
(1, 33736), (5, 33874), (7, 33925), (Start: 8 @33931 has 7 MA's), (9, 33976), (11, 34042), (13, 34120), (15, 34144), (16, 34153), (17, 34174), (19, 34231), (25, 34288), (26, 34291), (29, 34447), (30, 34465), (33, 34591), (34, 34600), (35, 34618),

Gene: E6_57 Start: 36201, Stop: 36926, Start Num: 8
Candidate Starts for E6_57:
(2, 36027), (3, 36057), (6, 36162), (Start: 8 @36201 has 7 MA's), (9, 36246), (11, 36312), (13, 36390), (15, 36414), (16, 36423), (17, 36444), (19, 36501), (23, 36540), (26, 36561), (28, 36708), (30, 36735), (31, 36789),

Gene: G4_66 Start: 36689, Stop: 37405, Start Num: 8
Candidate Starts for G4_66:

(Start: 8 @36689 has 7 MA's), (9, 36734), (11, 36800), (15, 36902), (16, 36911), (17, 36932), (19, 36989), (22, 37019), (23, 37028), (26, 37049), (29, 37205), (30, 37223), (33, 37349), (34, 37358), (35, 37376),

Gene: PFR1_55 Start: 36479, Stop: 37183, Start Num: 8
Candidate Starts for PFR1_55:
(4, 36413), (Start: 8 @36479 has 7 MA's), (10, 36536), (12, 36626), (18, 36743), (20, 36773), (23, 36806), (24, 36818), (26, 36827), (27, 36953), (29, 36992), (36, 37166),

Gene: PFR2_57 Start: 38048, Stop: 38752, Start Num: 8
Candidate Starts for PFR2_57:
(4, 37982), (Start: 8 @38048 has 7 MA's), (10, 38105), (12, 38195), (18, 38312), (20, 38342), (23, 38375), (24, 38387), (26, 38396), (27, 38522), (29, 38561), (36, 38735),