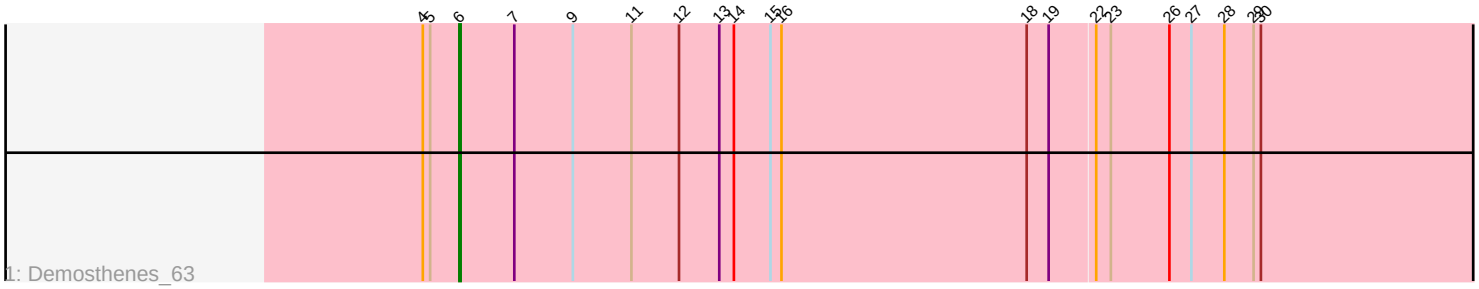
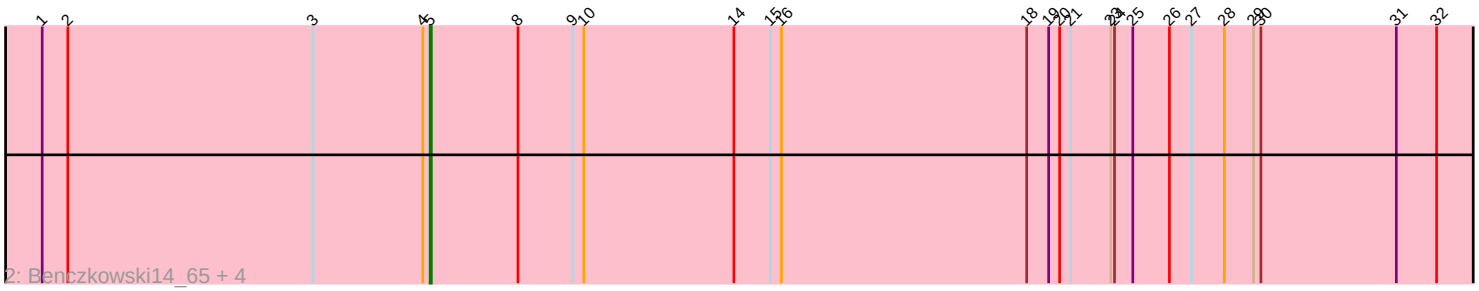
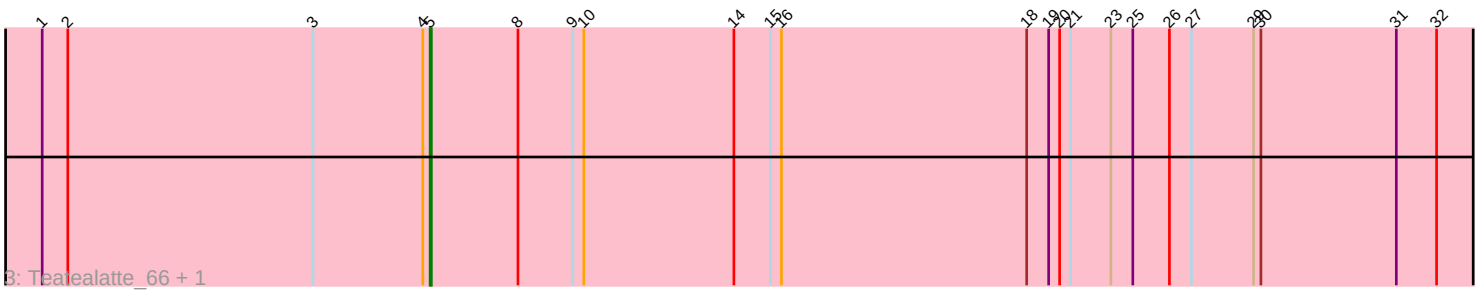
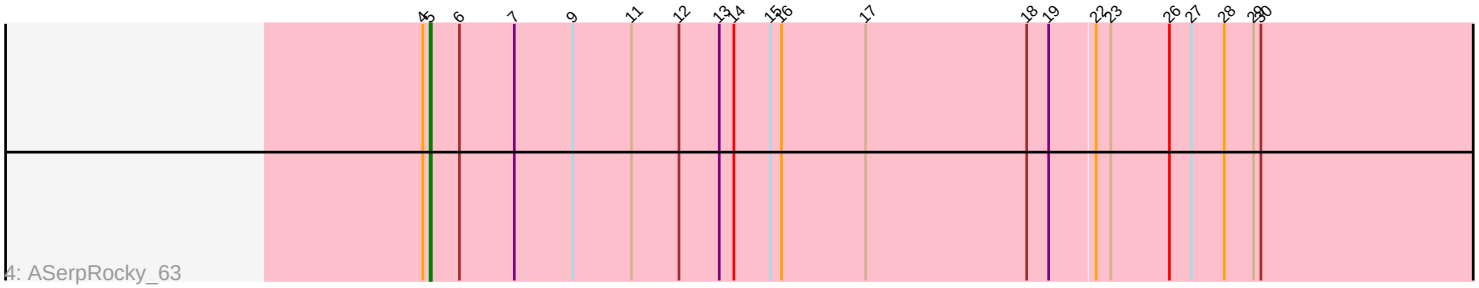
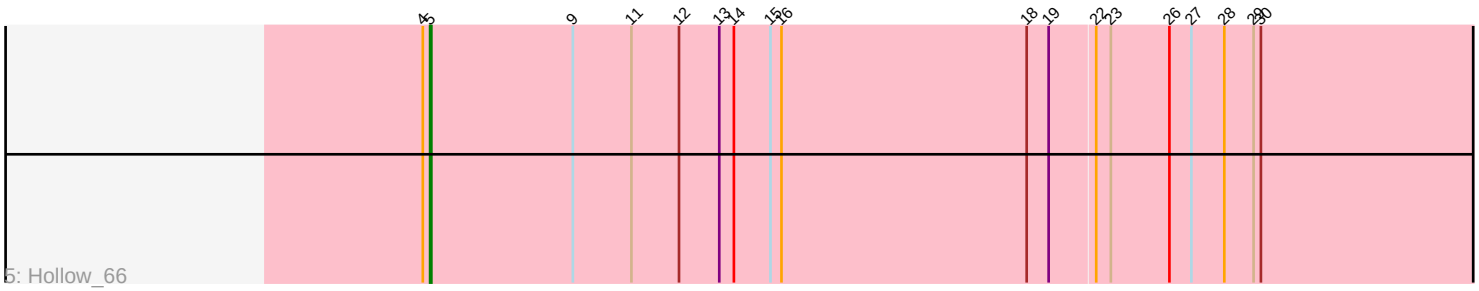
Pham 348244


1: Demosthenes_63


2: Benczkowski14_65 + 4


3: Tealealatte_66 + 1


4: ASerpRocky_63


5: Hollow_66

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 348244 Report

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

Pham number 348244 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Demosthenes_63
• Track 2 : Benczkowski14_65, Kvothe_64, Katyusha_65, Teech_66, Niagara_65
• Track 3 : Teatealatte_66, Tredge_65
• Track 4 : ASerpRocky_63
• Track 5 : Hollow_66

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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_63, Benczkowski14_65, Hollow_66, Katyusha_65, Kvothe_64, Niagara_65, Teatealatte_66, Teech_66, Tredge_65,

Genes that have the "Most Annotated" start but do not call it:
• Demosthenes_63,

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

Summary by start number:

Start 5:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 90.0% of time when present
• Phage (with cluster) where this start called: ASerpRocky_63 (CS4), Benczkowski14_65 (CS4), Hollow_66 (CS4), Katyusha_65 (CS4), Kvothe_64 (CS4), Niagara_65 (CS4), Teatealatte_66 (CS4), Teech_66 (CS4), Tredge_65 (CS4),

Start 6:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 10

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Demosthenes_63 (CS4),

Summary by clusters:

There is one cluster represented in this pham: CS4

Info for manual annotations of cluster CS4:
•Start number 5 was manually annotated 9 times for cluster CS4.
•Start number 6 was manually annotated 1 time for cluster CS4.

Gene Information:

Gene: ASerpRocky_63 Start: 57565, Stop: 56678, Start Num: 5
Candidate Starts for ASerpRocky_63:
(4, 57571), (Start: 5 @57565 has 9 MA's), (Start: 6 @57541 has 1 MA's), (7, 57496), (9, 57448), (11, 57400), (12, 57361), (13, 57328), (14, 57316), (15, 57286), (16, 57277), (17, 57208), (18, 57076), (19, 57058), (22, 57022), (23, 57010), (26, 56962), (27, 56944), (28, 56917), (29, 56893), (30, 56887),

Gene: Benczkowski14_65 Start: 58090, Stop: 57200, Start Num: 5
Candidate Starts for Benczkowski14_65:
(1, 58408), (2, 58387), (3, 58186), (4, 58096), (Start: 5 @58090 has 9 MA's), (8, 58018), (9, 57973), (10, 57964), (14, 57841), (15, 57811), (16, 57802), (18, 57601), (19, 57583), (20, 57574), (21, 57565), (23, 57532), (24, 57529), (25, 57514), (26, 57484), (27, 57466), (28, 57439), (29, 57415), (30, 57409), (31, 57298), (32, 57265),

Gene: Demosthenes_63 Start: 57517, Stop: 56654, Start Num: 6
Candidate Starts for Demosthenes_63:
(4, 57547), (Start: 5 @57541 has 9 MA's), (Start: 6 @57517 has 1 MA's), (7, 57472), (9, 57424), (11, 57376), (12, 57337), (13, 57304), (14, 57292), (15, 57262), (16, 57253), (18, 57052), (19, 57034), (22, 56998), (23, 56986), (26, 56938), (27, 56920), (28, 56893), (29, 56869), (30, 56863),

Gene: Hollow_66 Start: 58270, Stop: 57383, Start Num: 5
Candidate Starts for Hollow_66:
(4, 58276), (Start: 5 @58270 has 9 MA's), (9, 58153), (11, 58105), (12, 58066), (13, 58033), (14, 58021), (15, 57991), (16, 57982), (18, 57781), (19, 57763), (22, 57727), (23, 57715), (26, 57667), (27, 57649), (28, 57622), (29, 57598), (30, 57592),

Gene: Katyusha_65 Start: 58090, Stop: 57200, Start Num: 5
Candidate Starts for Katyusha_65:
(1, 58408), (2, 58387), (3, 58186), (4, 58096), (Start: 5 @58090 has 9 MA's), (8, 58018), (9, 57973), (10, 57964), (14, 57841), (15, 57811), (16, 57802), (18, 57601), (19, 57583), (20, 57574), (21, 57565), (23, 57532), (24, 57529), (25, 57514), (26, 57484), (27, 57466), (28, 57439), (29, 57415), (30, 57409), (31, 57298), (32, 57265),

Gene: Kvothe_64 Start: 57992, Stop: 57102, Start Num: 5
Candidate Starts for Kvothe_64:
(1, 58310), (2, 58289), (3, 58088), (4, 57998), (Start: 5 @57992 has 9 MA's), (8, 57920), (9, 57875), (10, 57866), (14, 57743), (15, 57713), (16, 57704), (18, 57503), (19, 57485), (20, 57476), (21, 57467), (23, 57434), (24, 57431), (25, 57416), (26, 57386), (27, 57368), (28, 57341), (29, 57317), (30, 57311), (31, 57200), (32, 57167),

Gene: Niagara_65 Start: 58083, Stop: 57193, Start Num: 5
Candidate Starts for Niagara_65:
(1, 58401), (2, 58380), (3, 58179), (4, 58089), (Start: 5 @58083 has 9 MA's), (8, 58011), (9, 57966), (10, 57957), (14, 57834), (15, 57804), (16, 57795), (18, 57594), (19, 57576), (20, 57567), (21, 57558), (23, 57525), (24, 57522), (25, 57507), (26, 57477), (27, 57459), (28, 57432), (29, 57408), (30, 57402), (31, 57291), (32, 57258),

Gene: Teatealatte_66 Start: 57980, Stop: 57090, Start Num: 5
Candidate Starts for Teatealatte_66:
(1, 58298), (2, 58277), (3, 58076), (4, 57986), (Start: 5 @57980 has 9 MA's), (8, 57908), (9, 57863), (10, 57854), (14, 57731), (15, 57701), (16, 57692), (18, 57491), (19, 57473), (20, 57464), (21, 57455), (23, 57422), (25, 57404), (26, 57374), (27, 57356), (29, 57305), (30, 57299), (31, 57188), (32, 57155),

Gene: Teech_66 Start: 57796, Stop: 56906, Start Num: 5
Candidate Starts for Teech_66:
(1, 58114), (2, 58093), (3, 57892), (4, 57802), (Start: 5 @57796 has 9 MA's), (8, 57724), (9, 57679), (10, 57670), (14, 57547), (15, 57517), (16, 57508), (18, 57307), (19, 57289), (20, 57280), (21, 57271), (23, 57238), (24, 57235), (25, 57220), (26, 57190), (27, 57172), (28, 57145), (29, 57121), (30, 57115), (31, 57004), (32, 56971),

Gene: Tredge_65 Start: 57980, Stop: 57090, Start Num: 5
Candidate Starts for Tredge_65:
(1, 58298), (2, 58277), (3, 58076), (4, 57986), (Start: 5 @57980 has 9 MA's), (8, 57908), (9, 57863), (10, 57854), (14, 57731), (15, 57701), (16, 57692), (18, 57491), (19, 57473), (20, 57464), (21, 57455), (23, 57422), (25, 57404), (26, 57374), (27, 57356), (29, 57305), (30, 57299), (31, 57188), (32, 57155),