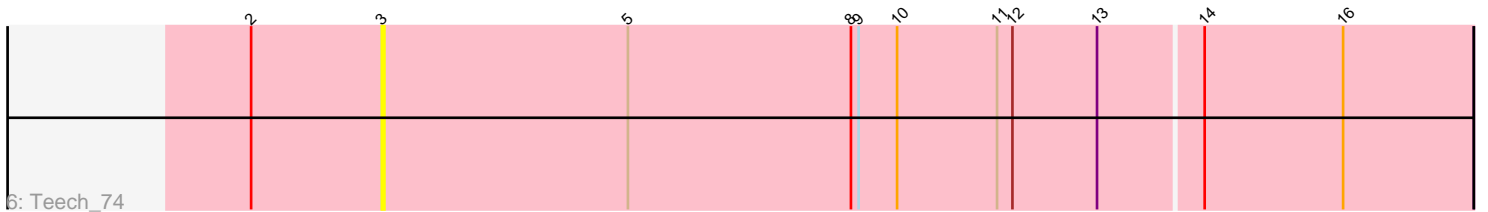
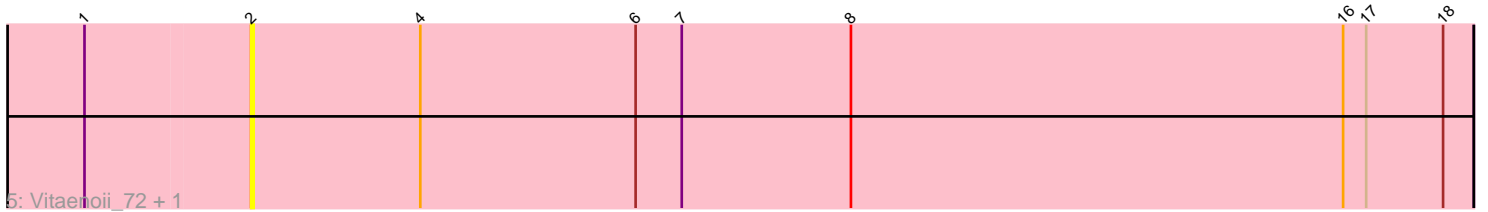
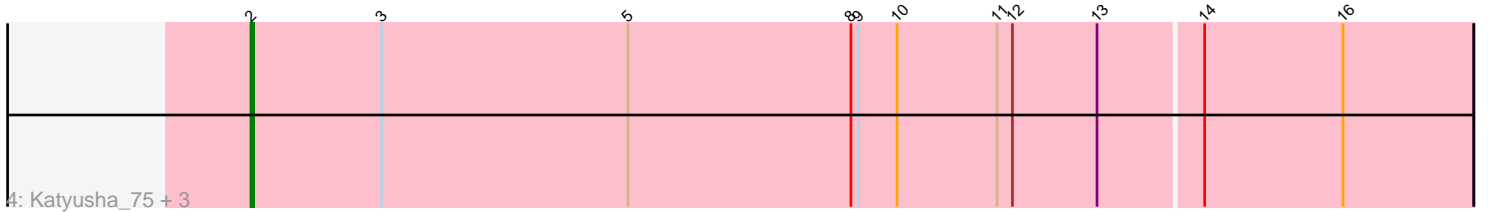
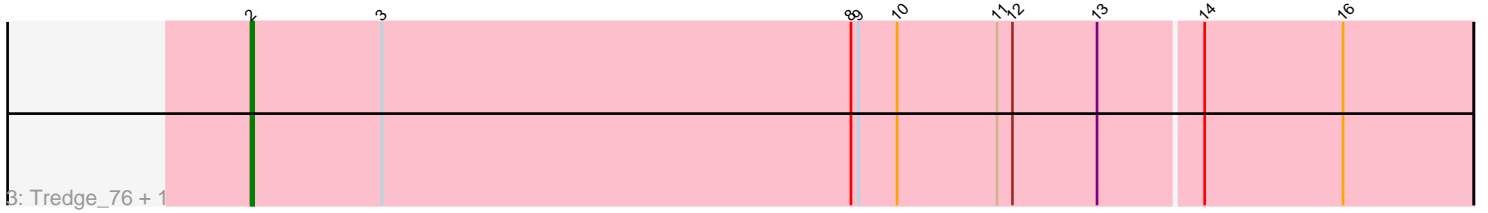
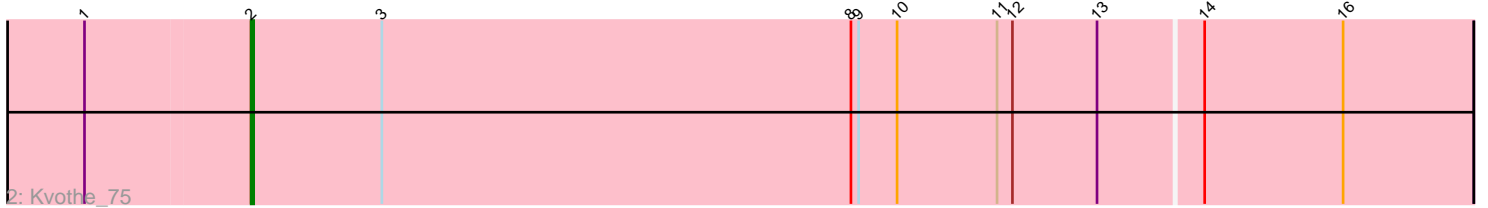
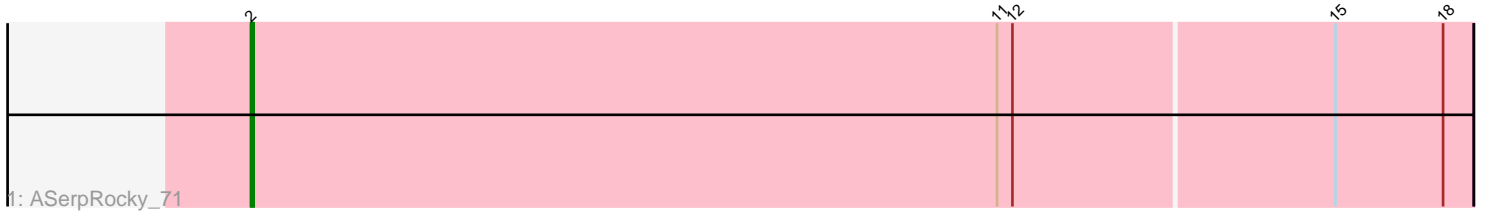


Pham 216743



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 216743 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216743 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : ASerpRocky_71
- Track 2 : Kvothe_75
- Track 3 : Tredge_76, Teatealatte_77
- Track 4 : Katyusha_75, Benczkowski14_77, Niagara_76, Hollow_77
- Track 5 : Vitaenoi_72, Philon9_72
- Track 6 : Teech_74
- Track 7 : Demosthenes_71

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASerpRocky_71, Benczkowski14_77, Demosthenes_71, Hollow_77, Katyusha_75, Kvothe_75, Niagara_76, Philon9_72, Teatealatte_77, Tredge_76, Vitaenoi_72,

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

- Teech_74,

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

-

Summary by start number:

Start 2:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 91.7% of time when present
- Phage (with cluster) where this start called: ASerpRocky_71 (CS4), Benczkowski14_77 (CS4), Demosthenes_71 (CS4), Hollow_77 (CS4), Katyusha_75 (CS4), Kvothe_75 (CS4), Niagara_76 (CS4), Philon9_72 (CS4), Teatealatte_77 (CS4), Tredge_76 (CS4), Vitaenoi_72 (CS4),

Start 3:

- Found in 8 of 12 (66.7%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Teech_74 (CS4),

Summary by clusters:

There is one cluster represented in this pham: CS4

Info for manual annotations of cluster CS4:

- Start number 2 was manually annotated 9 times for cluster CS4.

Gene Information:

Gene: ASerpRocky_71 Start: 61030, Stop: 60557, Start Num: 2

Candidate Starts for ASerpRocky_71:

(Start: 2 @61030 has 9 MA's), (11, 60739), (12, 60733), (15, 60610), (18, 60568),

Gene: Benczkowski14_77 Start: 62275, Stop: 61802, Start Num: 2

Candidate Starts for Benczkowski14_77:

(Start: 2 @62275 has 9 MA's), (3, 62224), (5, 62128), (8, 62041), (9, 62038), (10, 62023), (11, 61984), (12, 61978), (13, 61945), (14, 61906), (16, 61852),

Gene: Demosthenes_71 Start: 61052, Stop: 60579, Start Num: 2

Candidate Starts for Demosthenes_71:

(Start: 2 @61052 has 9 MA's), (10, 60800), (11, 60761), (12, 60755), (13, 60722), (14, 60683), (16, 60629),

Gene: Hollow_77 Start: 62444, Stop: 61971, Start Num: 2

Candidate Starts for Hollow_77:

(Start: 2 @62444 has 9 MA's), (3, 62393), (5, 62297), (8, 62210), (9, 62207), (10, 62192), (11, 62153), (12, 62147), (13, 62114), (14, 62075), (16, 62021),

Gene: Katyusha_75 Start: 62275, Stop: 61802, Start Num: 2

Candidate Starts for Katyusha_75:

(Start: 2 @62275 has 9 MA's), (3, 62224), (5, 62128), (8, 62041), (9, 62038), (10, 62023), (11, 61984), (12, 61978), (13, 61945), (14, 61906), (16, 61852),

Gene: Kvothe_75 Start: 62117, Stop: 61644, Start Num: 2

Candidate Starts for Kvothe_75:

(1, 62180), (Start: 2 @62117 has 9 MA's), (3, 62066), (8, 61883), (9, 61880), (10, 61865), (11, 61826), (12, 61820), (13, 61787), (14, 61748), (16, 61694),

Gene: Niagara_76 Start: 62208, Stop: 61735, Start Num: 2

Candidate Starts for Niagara_76:

(Start: 2 @62208 has 9 MA's), (3, 62157), (5, 62061), (8, 61974), (9, 61971), (10, 61956), (11, 61917), (12, 61911), (13, 61878), (14, 61839), (16, 61785),

Gene: Philon9_72 Start: 62676, Stop: 62200, Start Num: 2

Candidate Starts for Philon9_72:

(1, 62739), (Start: 2 @62676 has 9 MA's), (4, 62610), (6, 62526), (7, 62508), (8, 62442), (16, 62250), (17, 62241), (18, 62211),

Gene: Teatealatte_77 Start: 62105, Stop: 61632, Start Num: 2

Candidate Starts for Teatealatte_77:

(Start: 2 @62105 has 9 MA's), (3, 62054), (8, 61871), (9, 61868), (10, 61853), (11, 61814), (12, 61808), (13, 61775), (14, 61736), (16, 61682),

Gene: Teech_74 Start: 61873, Stop: 61451, Start Num: 3

Candidate Starts for Teech_74:

(Start: 2 @61924 has 9 MA's), (3, 61873), (5, 61777), (8, 61690), (9, 61687), (10, 61672), (11, 61633), (12, 61627), (13, 61594), (14, 61555), (16, 61501),

Gene: Tredge_76 Start: 62105, Stop: 61632, Start Num: 2

Candidate Starts for Tredge_76:

(Start: 2 @62105 has 9 MA's), (3, 62054), (8, 61871), (9, 61868), (10, 61853), (11, 61814), (12, 61808), (13, 61775), (14, 61736), (16, 61682),

Gene: Vitaenoi_72 Start: 62660, Stop: 62184, Start Num: 2

Candidate Starts for Vitaenoi_72:

(1, 62723), (Start: 2 @62660 has 9 MA's), (4, 62594), (6, 62510), (7, 62492), (8, 62426), (16, 62234), (17, 62225), (18, 62195),