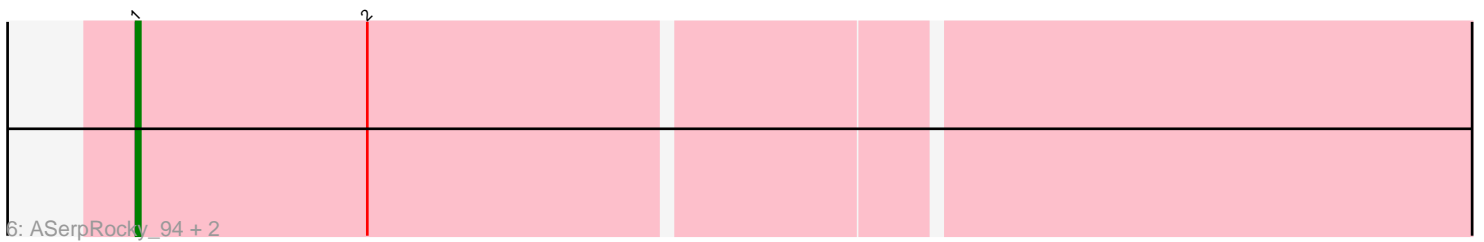
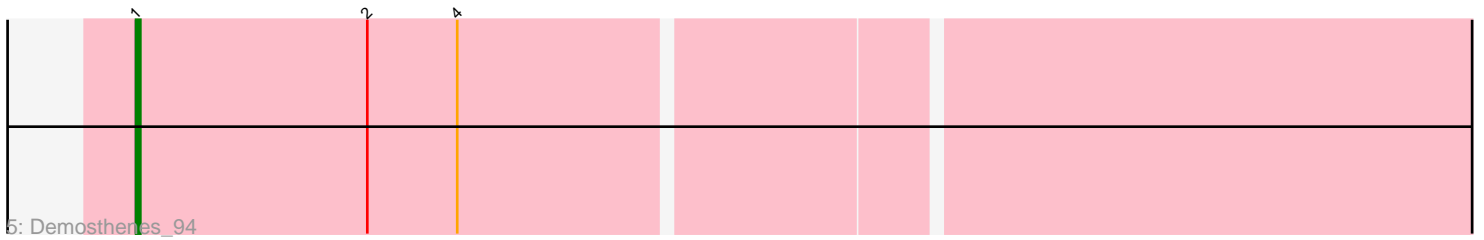
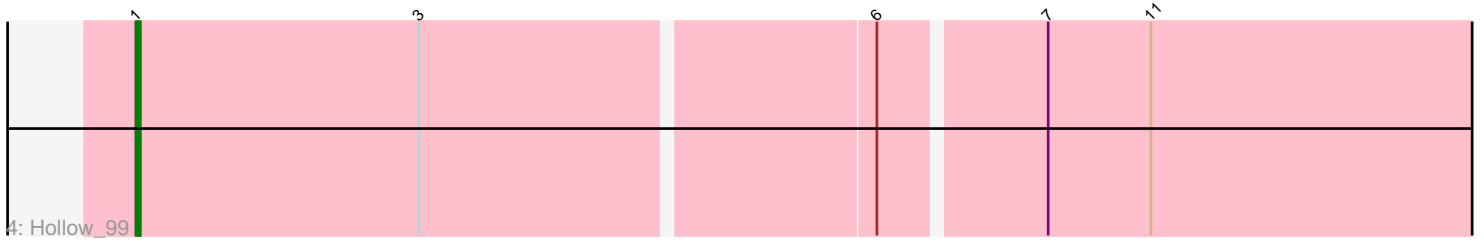
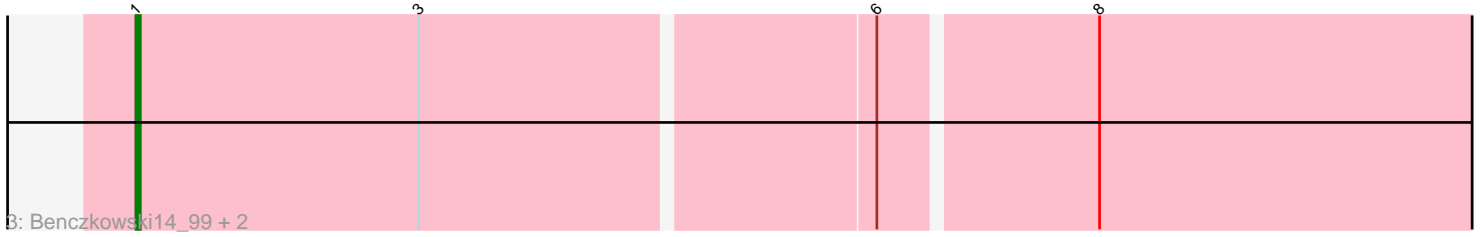
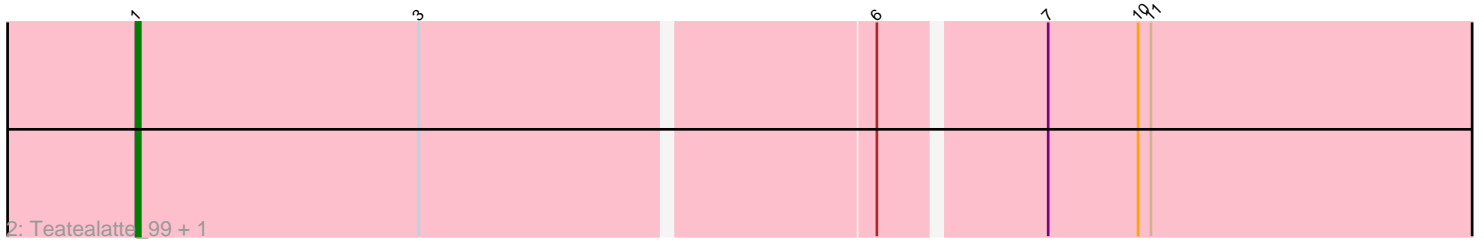
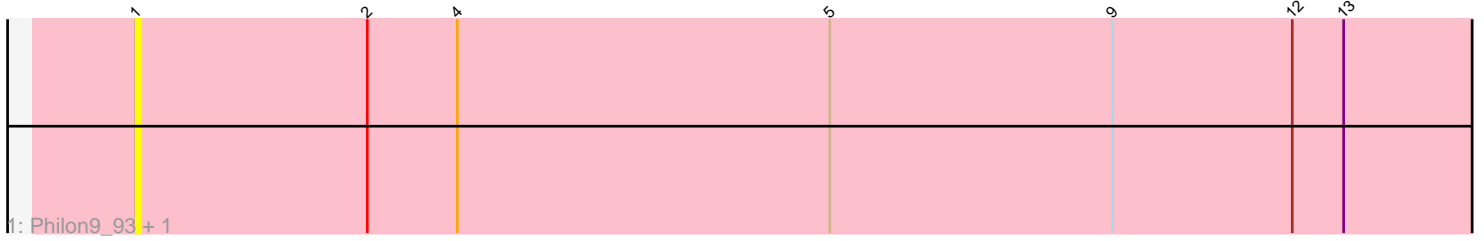


Pham 198572



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 198572 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198572 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Philon9_93, Vitaenoi_93
- Track 2 : Teatealatte_99, Tredge_98
- Track 3 : Benczkowski14_99, Katyusha_97, Niagara_98
- Track 4 : Hollow_99
- Track 5 : Demosthenes_94
- Track 6 : ASerpRocky_94, Teech_96, Kvothe_98

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

Genes that call this "Most Annotated" start:

- ASerpRocky_94, Benczkowski14_99, Demosthenes_94, Hollow_99, Katyusha_97, Kvothe_98, Niagara_98, Philon9_93, Teatealatte_99, Teech_96, Tredge_98, Vitaenoi_93,

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 1:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASerpRocky_94 (CS4), Benczkowski14_99 (CS4), Demosthenes_94 (CS4), Hollow_99 (CS4), Katyusha_97 (CS4), Kvothe_98 (CS4), Niagara_98 (CS4), Philon9_93 (CS4), Teatealatte_99 (CS4), Teech_96 (CS4), Tredge_98 (CS4), Vitaenoi_93 (CS4),

Summary by clusters:

There is one cluster represented in this pham: CS4

Info for manual annotations of cluster CS4:

•Start number 1 was manually annotated 9 times for cluster CS4.

Gene Information:

Gene: ASerpRocky_94 Start: 73015, Stop: 72713, Start Num: 1

Candidate Starts for ASerpRocky_94:

(Start: 1 @73015 has 9 MA's), (2, 72961),

Gene: Benczkowski14_99 Start: 74036, Stop: 73734, Start Num: 1

Candidate Starts for Benczkowski14_99:

(Start: 1 @74036 has 9 MA's), (3, 73970), (6, 73868), (8, 73820),

Gene: Demosthenes_94 Start: 72740, Stop: 72438, Start Num: 1

Candidate Starts for Demosthenes_94:

(Start: 1 @72740 has 9 MA's), (2, 72686), (4, 72665),

Gene: Hollow_99 Start: 74062, Stop: 73760, Start Num: 1

Candidate Starts for Hollow_99:

(Start: 1 @74062 has 9 MA's), (3, 73996), (6, 73894), (7, 73858), (11, 73834),

Gene: Katyusha_97 Start: 74036, Stop: 73734, Start Num: 1

Candidate Starts for Katyusha_97:

(Start: 1 @74036 has 9 MA's), (3, 73970), (6, 73868), (8, 73820),

Gene: Kvothe_98 Start: 74124, Stop: 73822, Start Num: 1

Candidate Starts for Kvothe_98:

(Start: 1 @74124 has 9 MA's), (2, 74070),

Gene: Niagara_98 Start: 73961, Stop: 73659, Start Num: 1

Candidate Starts for Niagara_98:

(Start: 1 @73961 has 9 MA's), (3, 73895), (6, 73793), (8, 73745),

Gene: Philon9_93 Start: 73350, Stop: 73033, Start Num: 1

Candidate Starts for Philon9_93:

(Start: 1 @73350 has 9 MA's), (2, 73296), (4, 73275), (5, 73188), (9, 73122), (12, 73080), (13, 73068),

Gene: Teatealatte_99 Start: 74044, Stop: 73742, Start Num: 1

Candidate Starts for Teatealatte_99:

(Start: 1 @74044 has 9 MA's), (3, 73978), (6, 73876), (7, 73840), (10, 73819), (11, 73816),

Gene: Teech_96 Start: 73665, Stop: 73363, Start Num: 1

Candidate Starts for Teech_96:

(Start: 1 @73665 has 9 MA's), (2, 73611),

Gene: Tredge_98 Start: 74044, Stop: 73742, Start Num: 1

Candidate Starts for Tredge_98:

(Start: 1 @74044 has 9 MA's), (3, 73978), (6, 73876), (7, 73840), (10, 73819), (11, 73816),

Gene: Vitaenoi_93 Start: 73334, Stop: 73017, Start Num: 1

Candidate Starts for Vitaenoi_93:

(Start: 1 @73334 has 9 MA's), (2, 73280), (4, 73259), (5, 73172), (9, 73106), (12, 73064), (13, 73052),