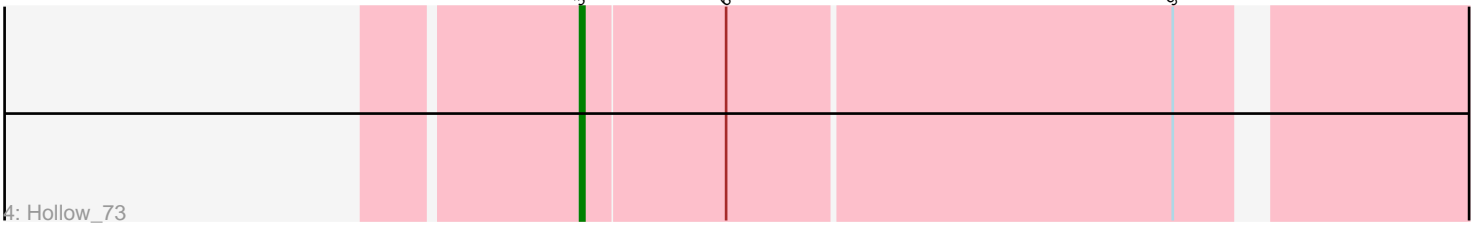
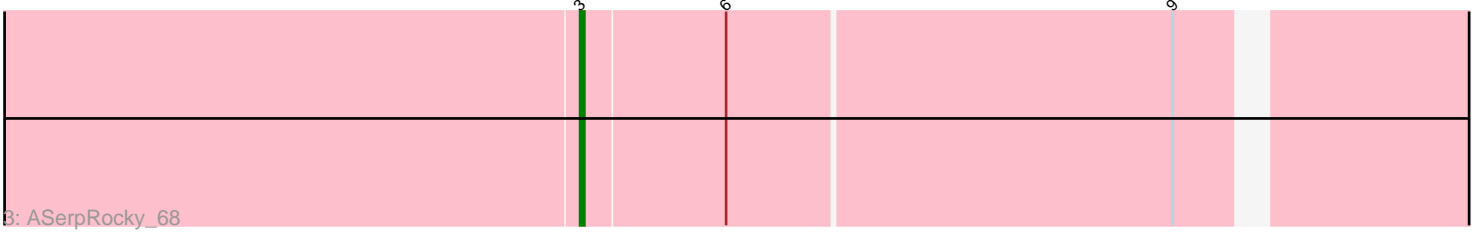
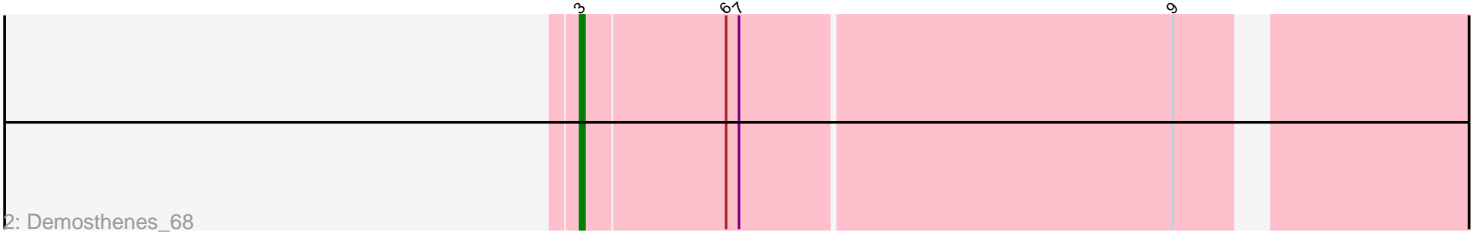
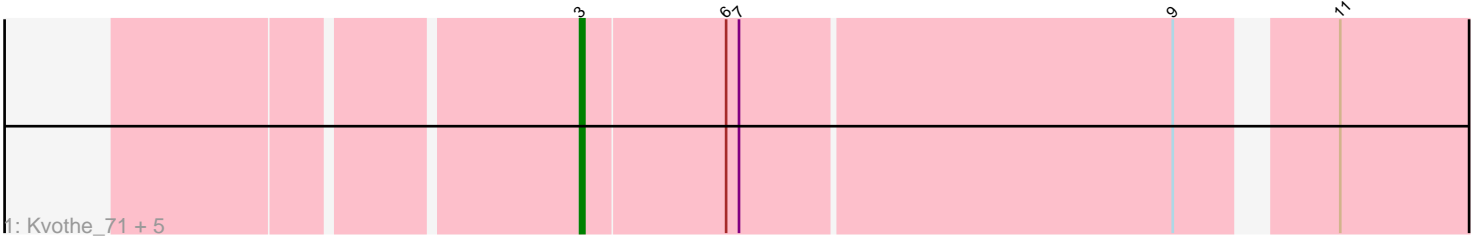


Pham 87438



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 87438 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87438 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kvothe_71, Teatealatte_73, Benczkowski14_72, Tredge_72, Niagara_72, Katyusha_71
- Track 2 : Demosthenes_68
- Track 3 : ASerpRocky_68
- Track 4 : Hollow_73
- Track 5 : Teech_70
- Track 6 : Jumbo_86

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASerpRocky_68, Benczkowski14_72, Demosthenes_68, Hollow_73, Katyusha_71, Kvothe_71, Niagara_72, Teatealatte_73, Teech_70, Tredge_72,

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

-

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

- Jumbo_86,

Summary by start number:

Start 3:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASerpRocky_68 (CS4), Benczkowski14_72 (CS4), Demosthenes_68 (CS4), Hollow_73 (CS4), Katyusha_71 (CS4), Kvothe_71 (CS4), Niagara_72 (CS4), Teatealatte_73 (CS4), Teech_70 (CS4), Tredge_72 (CS4),

Start 4:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jumbo_86 (DF3),

Summary by clusters:

There are 2 clusters represented in this pham: CS4, DF3,

Info for manual annotations of cluster CS4:

- Start number 3 was manually annotated 9 times for cluster CS4.

Info for manual annotations of cluster DF3:

- Start number 4 was manually annotated 1 time for cluster DF3.

Gene Information:

Gene: ASerpRocky_68 Start: 59499, Stop: 59248, Start Num: 3

Candidate Starts for ASerpRocky_68:

(Start: 3 @59499 has 9 MA's), (6, 59466), (9, 59364),

Gene: Benczkowski14_72 Start: 60341, Stop: 60090, Start Num: 3

Candidate Starts for Benczkowski14_72:

(Start: 3 @60341 has 9 MA's), (6, 60308), (7, 60305), (9, 60206), (11, 60176),

Gene: Demosthenes_68 Start: 59472, Stop: 59221, Start Num: 3

Candidate Starts for Demosthenes_68:

(Start: 3 @59472 has 9 MA's), (6, 59439), (7, 59436), (9, 59337),

Gene: Hollow_73 Start: 60512, Stop: 60261, Start Num: 3

Candidate Starts for Hollow_73:

(Start: 3 @60512 has 9 MA's), (6, 60479), (9, 60377),

Gene: Jumbo_86 Start: 66665, Stop: 66399, Start Num: 4

Candidate Starts for Jumbo_86:

(1, 66770), (2, 66695), (Start: 4 @66665 has 1 MA's), (5, 66647), (8, 66536), (10, 66512),

Gene: Katyusha_71 Start: 60341, Stop: 60090, Start Num: 3

Candidate Starts for Katyusha_71:

(Start: 3 @60341 has 9 MA's), (6, 60308), (7, 60305), (9, 60206), (11, 60176),

Gene: Kvothe_71 Start: 60183, Stop: 59932, Start Num: 3

Candidate Starts for Kvothe_71:

(Start: 3 @60183 has 9 MA's), (6, 60150), (7, 60147), (9, 60048), (11, 60018),

Gene: Niagara_72 Start: 60274, Stop: 60023, Start Num: 3

Candidate Starts for Niagara_72:

(Start: 3 @60274 has 9 MA's), (6, 60241), (7, 60238), (9, 60139), (11, 60109),

Gene: Teatealatte_73 Start: 60171, Stop: 59920, Start Num: 3

Candidate Starts for Teatealatte_73:

(Start: 3 @60171 has 9 MA's), (6, 60138), (7, 60135), (9, 60036), (11, 60006),

Gene: Teech_70 Start: 59987, Stop: 59736, Start Num: 3

Candidate Starts for Teech_70:

(Start: 3 @59987 has 9 MA's), (6, 59954), (7, 59951), (9, 59852),

Gene: Tredge_72 Start: 60171, Stop: 59920, Start Num: 3

Candidate Starts for Tredge_72:

(Start: 3 @60171 has 9 MA's), (6, 60138), (7, 60135), (9, 60036), (11, 60006),