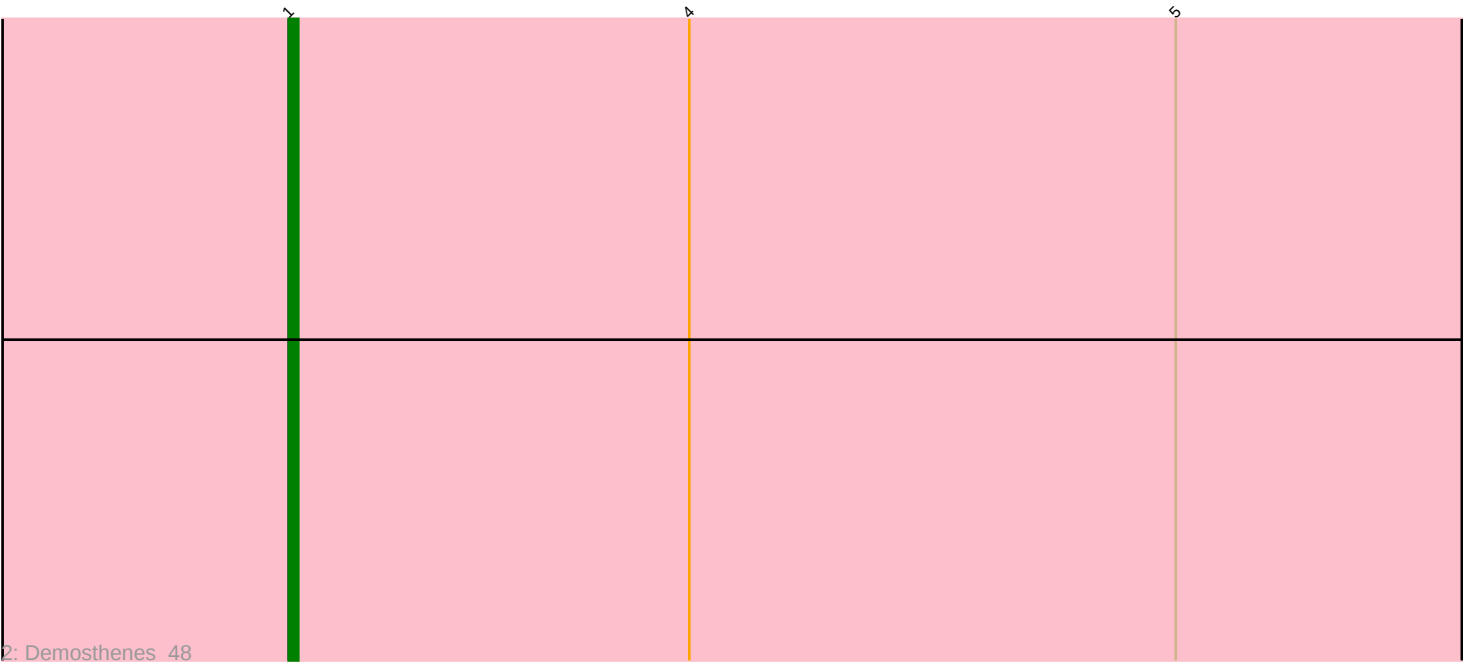
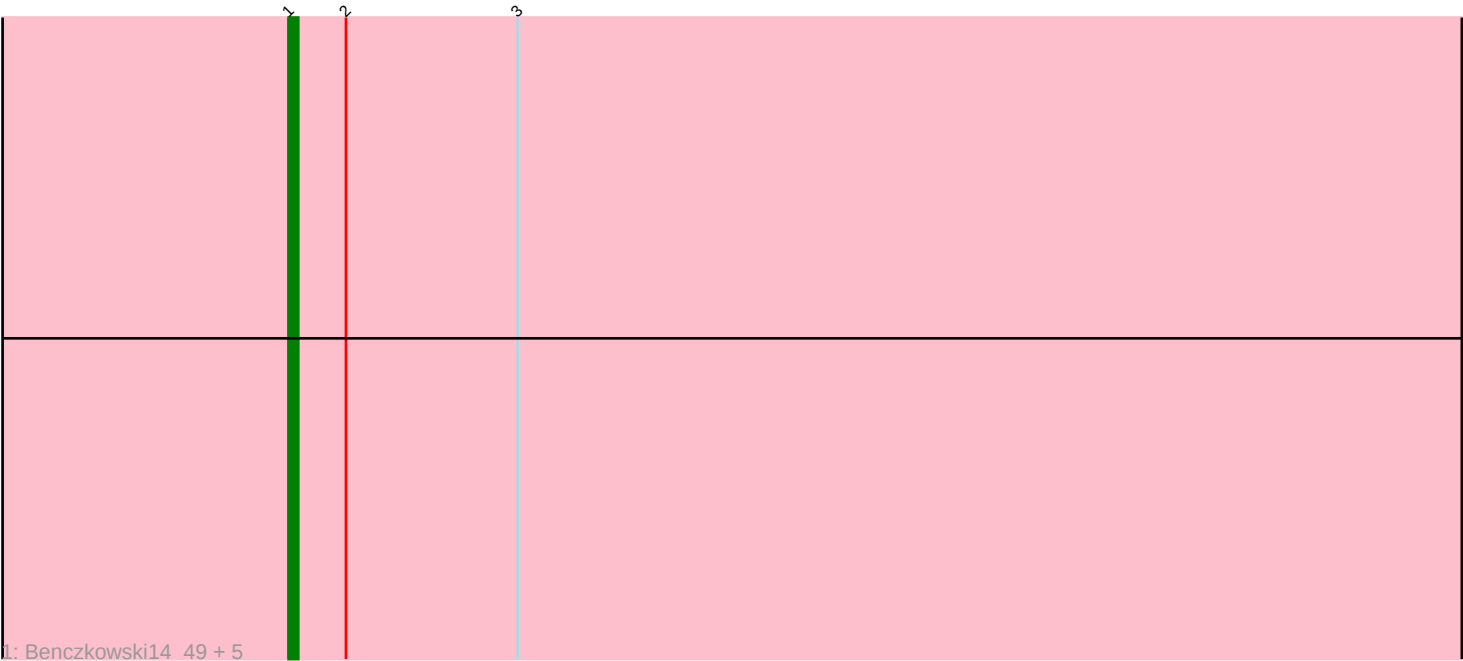




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 324041 Report

This analysis was run 09/05/26 on database version 662.

Pham number 324041 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Benczkowski14_49, Tredge_50, Katyusha_49, Teatealatte_50, Teech_50, Niagara_49
- Track 2 : Demosthenes_48

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Benczkowski14_49, Demosthenes_48, Katyusha_49, Niagara_49, Teatealatte_50, Teech_50, Tredge_50,

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 7 of 7 (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: Benczkowski14_49 (CS4), Demosthenes_48 (CS4), Katyusha_49 (CS4), Niagara_49 (CS4), Teatealatte_50 (CS4), Teech_50 (CS4), Tredge_50 (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 7 times for cluster CS4.

Gene Information:

Gene: Benczkowski14_49 Start: 48747, Stop: 48589, Start Num: 1

Candidate Starts for Benczkowski14_49:

(Start: 1 @48747 has 7 MA's), (2, 48741), (3, 48723),

Gene: Demosthenes_48 Start: 48452, Stop: 48294, Start Num: 1

Candidate Starts for Demosthenes_48:

(Start: 1 @48452 has 7 MA's), (4, 48410), (5, 48359),

Gene: Katyusha_49 Start: 48747, Stop: 48589, Start Num: 1

Candidate Starts for Katyusha_49:

(Start: 1 @48747 has 7 MA's), (2, 48741), (3, 48723),

Gene: Niagara_49 Start: 48737, Stop: 48579, Start Num: 1

Candidate Starts for Niagara_49:

(Start: 1 @48737 has 7 MA's), (2, 48731), (3, 48713),

Gene: Teatealatte_50 Start: 48649, Stop: 48491, Start Num: 1

Candidate Starts for Teatealatte_50:

(Start: 1 @48649 has 7 MA's), (2, 48643), (3, 48625),

Gene: Teech_50 Start: 48450, Stop: 48292, Start Num: 1

Candidate Starts for Teech_50:

(Start: 1 @48450 has 7 MA's), (2, 48444), (3, 48426),

Gene: Tredge_50 Start: 48649, Stop: 48491, Start Num: 1

Candidate Starts for Tredge_50:

(Start: 1 @48649 has 7 MA's), (2, 48643), (3, 48625),