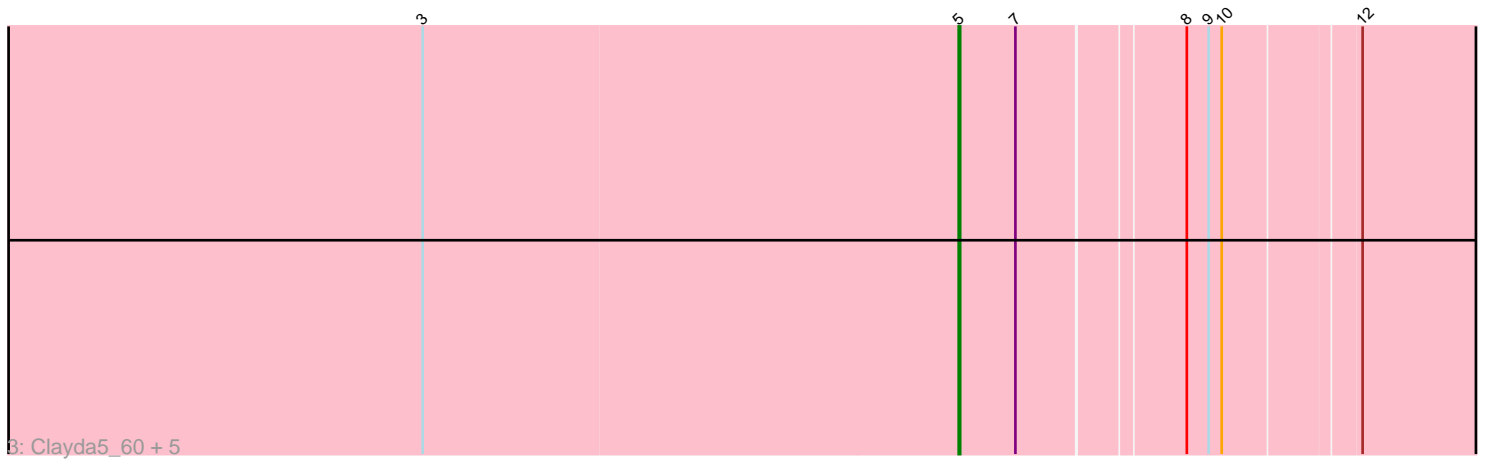
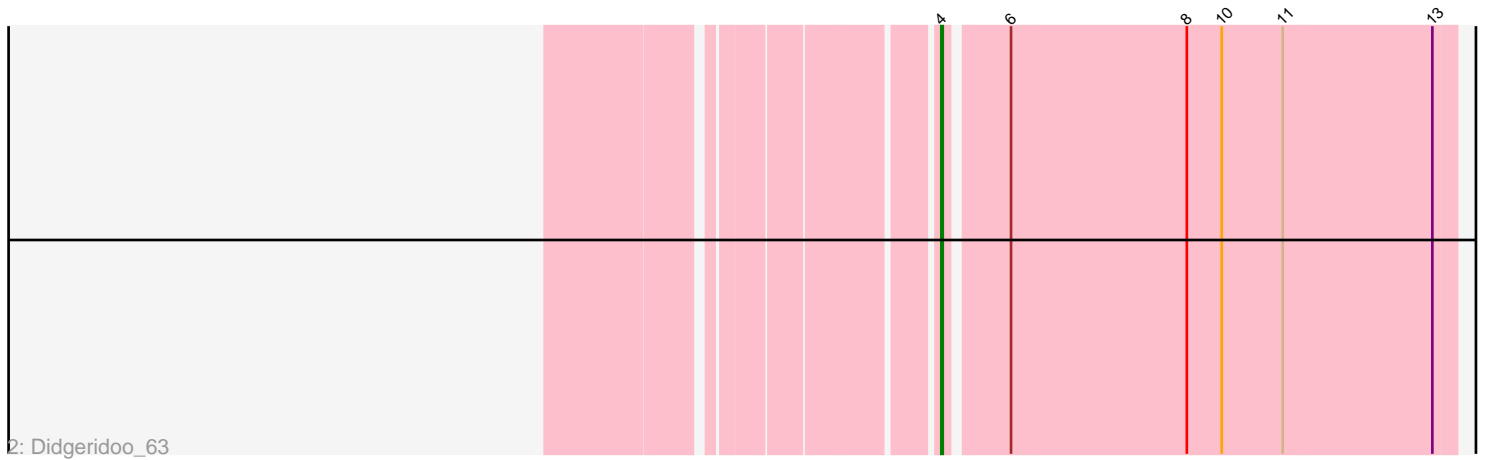
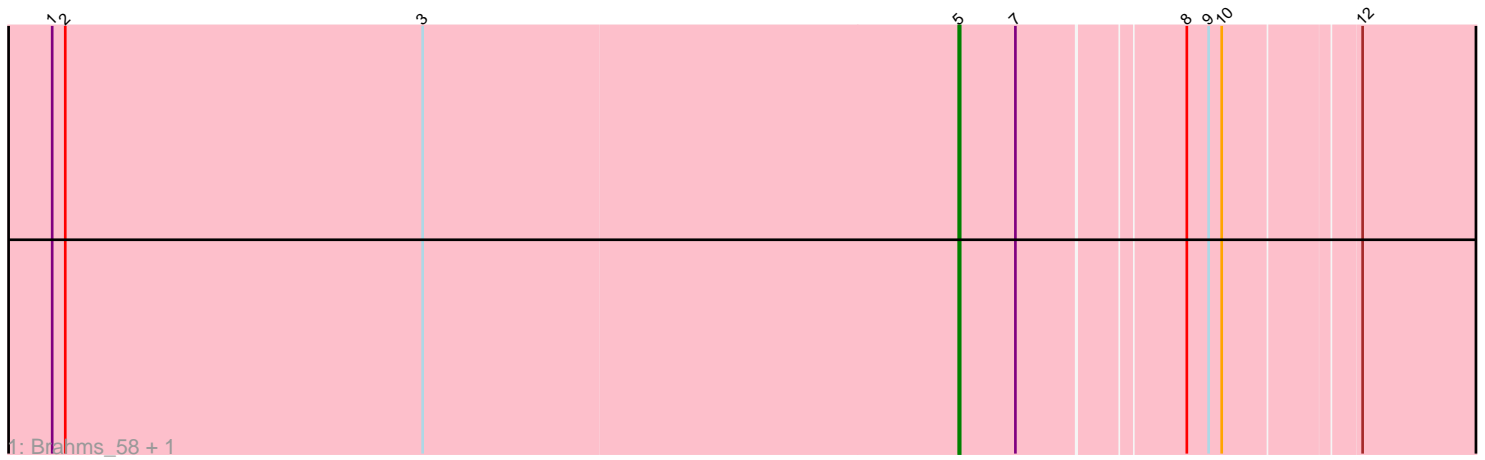


Pham 5956



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 5956 Report

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

Pham number 5956 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Brahms_58, Coltrane_58
- Track 2 : Didgeridoo_63
- Track 3 : Clayda5_60, Armstrong_58, Vitas_58, Rollins_58, Bernstein_58, Skylord_58

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

Genes that call this "Most Annotated" start:

- Armstrong_58, Bernstein_58, Brahms_58, Clayda5_60, Coltrane_58, Rollins_58, Skylord_58, Vitas_58,

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

-

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

- Didgeridoo_63,

Summary by start number:

Start 4:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Didgeridoo_63 (EB),

Start 5:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Armstrong_58 (EB), Bernstein_58 (EB), Brahms_58 (EB), Clayda5_60 (EB), Coltrane_58 (EB), Rollins_58 (EB), Skylord_58

(EB), Vitas_58 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 4 was manually annotated 1 time for cluster EB.
- Start number 5 was manually annotated 8 times for cluster EB.

Gene Information:

Gene: Armstrong_58 Start: 35889, Stop: 36227, Start Num: 5

Candidate Starts for Armstrong_58:

(3, 35523), (Start: 5 @35889 has 8 MA's), (7, 35928), (8, 36036), (9, 36051), (10, 36060), (12, 36147),

Gene: Bernstein_58 Start: 35887, Stop: 36225, Start Num: 5

Candidate Starts for Bernstein_58:

(3, 35521), (Start: 5 @35887 has 8 MA's), (7, 35926), (8, 36034), (9, 36049), (10, 36058), (12, 36145),

Gene: Brahms_58 Start: 35789, Stop: 36127, Start Num: 5

Candidate Starts for Brahms_58:

(1, 35168), (2, 35177), (3, 35423), (Start: 5 @35789 has 8 MA's), (7, 35828), (8, 35936), (9, 35951), (10, 35960), (12, 36047),

Gene: Clayda5_60 Start: 35854, Stop: 36192, Start Num: 5

Candidate Starts for Clayda5_60:

(3, 35488), (Start: 5 @35854 has 8 MA's), (7, 35893), (8, 36001), (9, 36016), (10, 36025), (12, 36112),

Gene: Coltrane_58 Start: 35789, Stop: 36127, Start Num: 5

Candidate Starts for Coltrane_58:

(1, 35168), (2, 35177), (3, 35423), (Start: 5 @35789 has 8 MA's), (7, 35828), (8, 35936), (9, 35951), (10, 35960), (12, 36047),

Gene: Didgeridoo_63 Start: 38403, Stop: 38744, Start Num: 4

Candidate Starts for Didgeridoo_63:

(Start: 4 @38403 has 1 MA's), (6, 38442), (8, 38562), (10, 38586), (11, 38628), (13, 38730),

Gene: Rollins_58 Start: 35887, Stop: 36225, Start Num: 5

Candidate Starts for Rollins_58:

(3, 35521), (Start: 5 @35887 has 8 MA's), (7, 35926), (8, 36034), (9, 36049), (10, 36058), (12, 36145),

Gene: Skylord_58 Start: 35828, Stop: 36166, Start Num: 5

Candidate Starts for Skylord_58:

(3, 35462), (Start: 5 @35828 has 8 MA's), (7, 35867), (8, 35975), (9, 35990), (10, 35999), (12, 36086),

Gene: Vitas_58 Start: 35860, Stop: 36198, Start Num: 5

Candidate Starts for Vitas_58:

(3, 35494), (Start: 5 @35860 has 8 MA's), (7, 35899), (8, 36007), (9, 36022), (10, 36031), (12, 36118),