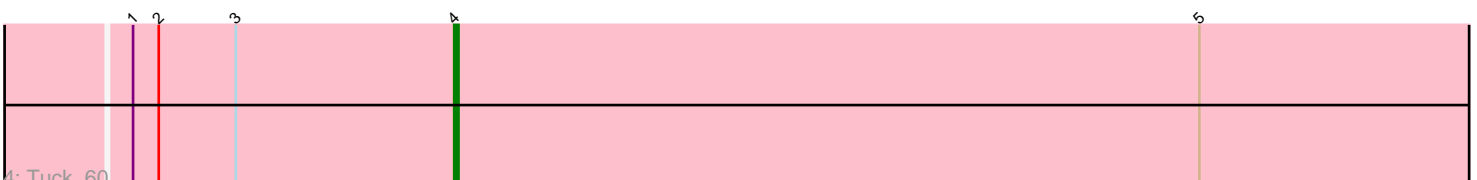
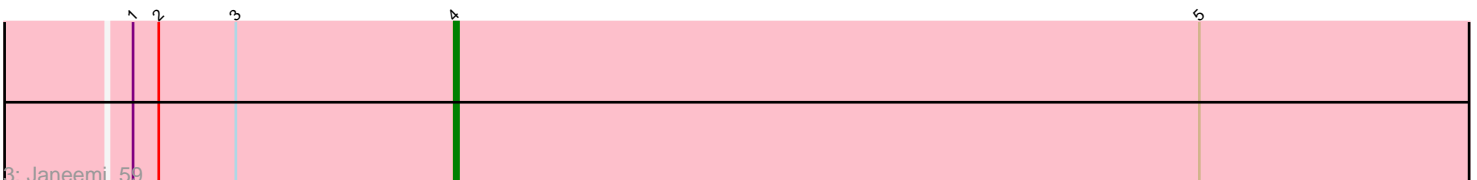
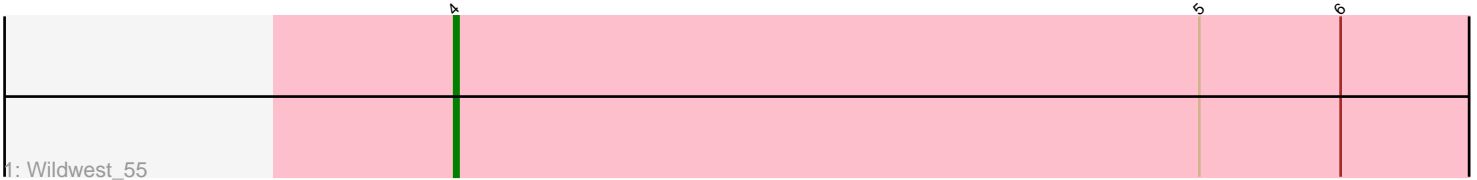


Pham 87724



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 87724 Report

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

Pham number 87724 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Wildwest_55
- Track 2 : Amyev_60, Tian_59
- Track 3 : Janeemi_59
- Track 4 : Tuck_60
- Track 5 : Berrie_59
- Track 6 : Phives_61
- Track 7 : Pixelle_61
- Track 8 : Community_60

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amyev_60, Berrie_59, Community_60, Janeemi_59, Phives_61, Pixelle_61, Tian_59, Tuck_60, Wildwest_55,

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 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amyev_60 (AZ1), Berrie_59 (AZ1), Community_60 (AZ1), Janeemi_59 (AZ1), Phives_61 (AZ1), Pixelle_61 (AZ1), Tian_59 (AZ1), Tuck_60 (AZ1), Wildwest_55 (AZ1),

Summary by clusters:

There is one cluster represented in this pham: AZ1

Info for manual annotations of cluster AZ1:

- Start number 4 was manually annotated 6 times for cluster AZ1.

Gene Information:

Gene: Amyev_60 Start: 41551, Stop: 41877, Start Num: 4

Candidate Starts for Amyev_60:

(2, 41482), (3, 41500), (Start: 4 @41551 has 6 MA's),

Gene: Berrie_59 Start: 40385, Stop: 40726, Start Num: 4

Candidate Starts for Berrie_59:

(1, 40310), (2, 40316), (3, 40334), (Start: 4 @40385 has 6 MA's), (5, 40559),

Gene: Community_60 Start: 40913, Stop: 41254, Start Num: 4

Candidate Starts for Community_60:

(1, 40838), (2, 40844), (3, 40862), (Start: 4 @40913 has 6 MA's), (5, 41087),

Gene: Janeemi_59 Start: 40412, Stop: 40753, Start Num: 4

Candidate Starts for Janeemi_59:

(1, 40337), (2, 40343), (3, 40361), (Start: 4 @40412 has 6 MA's), (5, 40586),

Gene: Phives_61 Start: 41028, Stop: 41369, Start Num: 4

Candidate Starts for Phives_61:

(1, 40953), (2, 40959), (3, 40977), (Start: 4 @41028 has 6 MA's), (5, 41202),

Gene: Pixelle_61 Start: 41652, Stop: 41978, Start Num: 4

Candidate Starts for Pixelle_61:

(Start: 4 @41652 has 6 MA's),

Gene: Tian_59 Start: 41550, Stop: 41876, Start Num: 4

Candidate Starts for Tian_59:

(2, 41481), (3, 41499), (Start: 4 @41550 has 6 MA's),

Gene: Tuck_60 Start: 40816, Stop: 41157, Start Num: 4

Candidate Starts for Tuck_60:

(1, 40741), (2, 40747), (3, 40765), (Start: 4 @40816 has 6 MA's), (5, 40990),

Gene: Wildwest_55 Start: 40123, Stop: 40464, Start Num: 4

Candidate Starts for Wildwest_55:

(Start: 4 @40123 has 6 MA's), (5, 40297), (6, 40330),