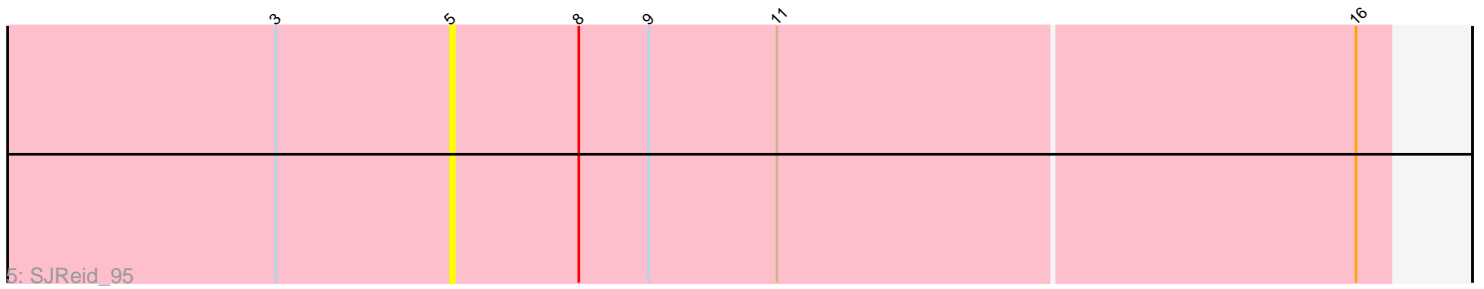
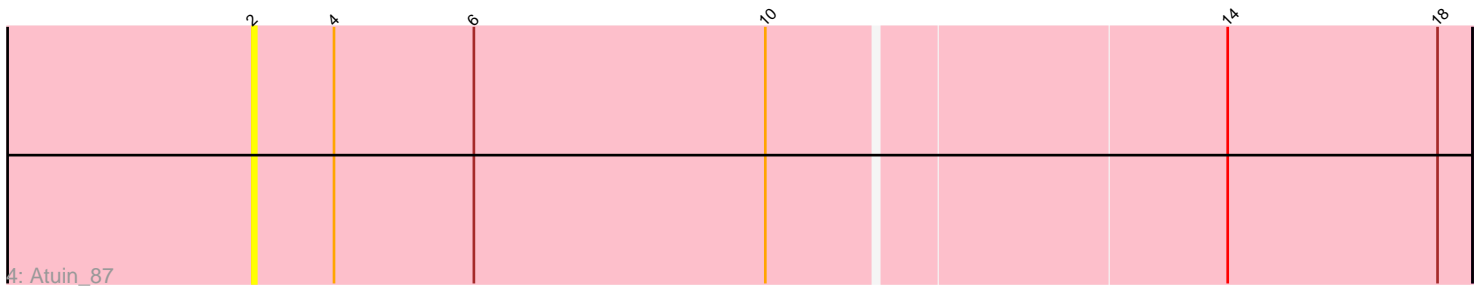
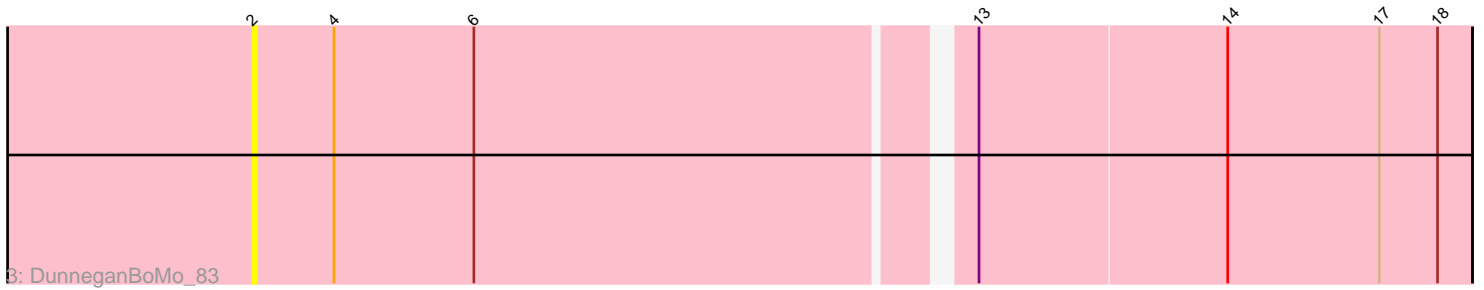
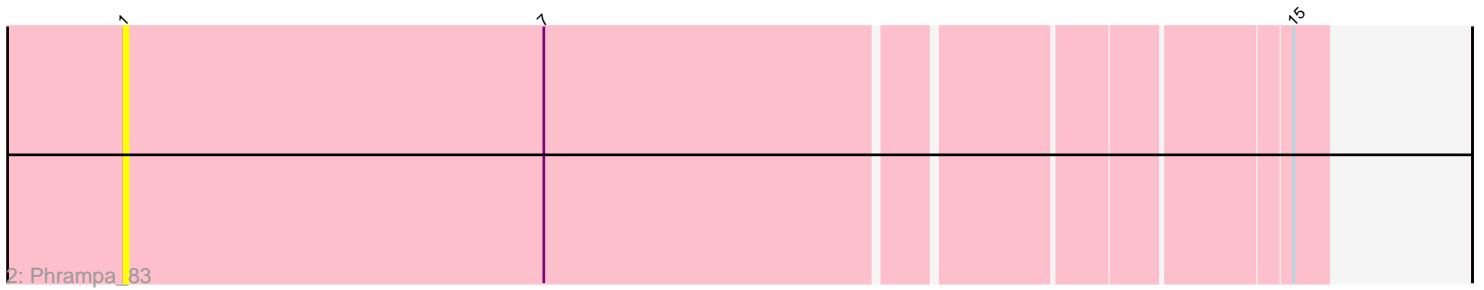


Pham 194577



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 194577 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194577 has 9 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Bloom_93, Talia1610_89, Mimi_95, Patbob_90, Racecar_90
- Track 2 : Phrampa_83
- Track 3 : DunneganBoMo_83
- Track 4 : Atuin_87
- Track 5 : SJReid_95

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bloom_93, Mimi_95, Patbob_90, Phrampa_83, Racecar_90, Talia1610_89,

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

-

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

- Atuin_87, DunneganBoMo_83, SJReid_95,

Summary by start number:

Start 1:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bloom_93 (FC), Mimi_95 (FC), Patbob_90 (FC), Phrampa_83 (FC), Racecar_90 (FC), Talia1610_89 (FC),

Start 2:

- Found in 2 of 9 (22.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Atuin_87 (FC), DunneganBoMo_83 (FC),

Start 5:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SJReid_95 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 1 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_87 Start: 52841, Stop: 53149, Start Num: 2

Candidate Starts for Atuin_87:

(2, 52841), (4, 52862), (6, 52898), (10, 52973), (14, 53087), (18, 53141),

Gene: Bloom_93 Start: 54209, Stop: 54505, Start Num: 1

Candidate Starts for Bloom_93:

(Start: 1 @54209 has 2 MA's), (7, 54317), (12, 54407),

Gene: DunneganBoMo_83 Start: 49690, Stop: 49992, Start Num: 2

Candidate Starts for DunneganBoMo_83:

(2, 49690), (4, 49711), (6, 49747), (13, 49867), (14, 49930), (17, 49969), (18, 49984),

Gene: Mimi_95 Start: 53556, Stop: 53852, Start Num: 1

Candidate Starts for Mimi_95:

(Start: 1 @53556 has 2 MA's), (7, 53664), (12, 53754),

Gene: Patbob_90 Start: 54428, Stop: 54724, Start Num: 1

Candidate Starts for Patbob_90:

(Start: 1 @54428 has 2 MA's), (7, 54536), (12, 54626),

Gene: Phrampa_83 Start: 51159, Stop: 51455, Start Num: 1

Candidate Starts for Phrampa_83:

(Start: 1 @51159 has 2 MA's), (7, 51267), (15, 51447),

Gene: Racecar_90 Start: 54209, Stop: 54505, Start Num: 1

Candidate Starts for Racecar_90:

(Start: 1 @54209 has 2 MA's), (7, 54317), (12, 54407),

Gene: SJReid_95 Start: 55600, Stop: 55839, Start Num: 5

Candidate Starts for SJReid_95:

(3, 55555), (5, 55600), (8, 55633), (9, 55651), (11, 55684), (16, 55831),

Gene: Talia1610_89 Start: 53574, Stop: 53870, Start Num: 1

Candidate Starts for Talia1610_89:
(Start: 1 @53574 has 2 MA's), (7, 53682), (12, 53772),