



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 136205 Report

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

Pham number 136205 has 8 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Bloom_89, Talia1610_89, Mimi_92, Patbob_86, Racecar_86
- Track 2 : DunneganBoMo_79
- Track 3 : Atuin_83
- Track 4 : SJReid_90

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 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_83, Bloom_89, DunneganBoMo_79, Mimi_92, Patbob_86, Racecar_86, Talia1610_89,

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

-

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

- SJReid_90,

Summary by start number:

Start 1:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 1 of 1
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_83 (FC), Bloom_89 (FC), DunneganBoMo_79 (FC), Mimi_92 (FC), Patbob_86 (FC), Racecar_86 (FC), Talia1610_89 (FC),

Start 2:

- Found in 1 of 8 (12.5%) 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_90 (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 1 time for cluster FC.

Gene Information:

Gene: Atuin_83 Start: 51196, Stop: 51471, Start Num: 1

Candidate Starts for Atuin_83:

(Start: 1 @51196 has 1 MA's), (3, 51301),

Gene: Bloom_89 Start: 52606, Stop: 52878, Start Num: 1

Candidate Starts for Bloom_89:

(Start: 1 @52606 has 1 MA's), (5, 52789),

Gene: DunneganBoMo_79 Start: 48044, Stop: 48316, Start Num: 1

Candidate Starts for DunneganBoMo_79:

(Start: 1 @48044 has 1 MA's), (4, 48164),

Gene: Mimi_92 Start: 51953, Stop: 52225, Start Num: 1

Candidate Starts for Mimi_92:

(Start: 1 @51953 has 1 MA's), (5, 52136),

Gene: Patbob_86 Start: 52825, Stop: 53097, Start Num: 1

Candidate Starts for Patbob_86:

(Start: 1 @52825 has 1 MA's), (5, 53008),

Gene: Racecar_86 Start: 52606, Stop: 52878, Start Num: 1

Candidate Starts for Racecar_86:

(Start: 1 @52606 has 1 MA's), (5, 52789),

Gene: SJReid_90 Start: 53868, Stop: 54176, Start Num: 2

Candidate Starts for SJReid_90:

(2, 53868),

Gene: Talia1610_89 Start: 51971, Stop: 52243, Start Num: 1

Candidate Starts for Talia1610_89:

(Start: 1 @51971 has 1 MA's), (5, 52154),