



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 88205 Report

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

Pham number 88205 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : MidnightRain_93
- Track 2 : Richie_90, RadFad_92, Hillester_91, BenchScraper_84, BillyTP_86
- Track 3 : Auxilium_85
- Track 4 : Bauer_83

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auxilium_85, Bauer_83, BenchScraper_84, BillyTP_86, Hillester_91, MidnightRain_93, RadFad_92, Richie_90,

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 3:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auxilium_85 (AY), Bauer_83 (FN), BenchScraper_84 (AY), BillyTP_86 (AY), Hillester_91 (AY), MidnightRain_93 (AY), RadFad_92 (AY), Richie_90 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:

- Start number 3 was manually annotated 4 times for cluster AY.

Info for manual annotations of cluster FN:

- Start number 3 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Auxilium_85 Start: 46458, Stop: 46769, Start Num: 3

Candidate Starts for Auxilium_85:

(1, 46143), (2, 46254), (Start: 3 @46458 has 5 MA's), (5, 46599), (8, 46725),

Gene: Bauer_83 Start: 45527, Stop: 45835, Start Num: 3

Candidate Starts for Bauer_83:

(Start: 3 @45527 has 5 MA's), (4, 45557), (5, 45665), (6, 45755), (7, 45758), (8, 45791),

Gene: BenchScraper_84 Start: 47409, Stop: 47720, Start Num: 3

Candidate Starts for BenchScraper_84:

(Start: 3 @47409 has 5 MA's), (5, 47550), (8, 47676),

Gene: BillyTP_86 Start: 49515, Stop: 49826, Start Num: 3

Candidate Starts for BillyTP_86:

(Start: 3 @49515 has 5 MA's), (5, 49656), (8, 49782),

Gene: Hillester_91 Start: 49131, Stop: 49442, Start Num: 3

Candidate Starts for Hillester_91:

(Start: 3 @49131 has 5 MA's), (5, 49272), (8, 49398),

Gene: MidnightRain_93 Start: 49967, Stop: 50278, Start Num: 3

Candidate Starts for MidnightRain_93:

(1, 49652), (Start: 3 @49967 has 5 MA's), (4, 50000), (5, 50108), (8, 50234),

Gene: RadFad_92 Start: 49131, Stop: 49442, Start Num: 3

Candidate Starts for RadFad_92:

(Start: 3 @49131 has 5 MA's), (5, 49272), (8, 49398),

Gene: Richie_90 Start: 49981, Stop: 50292, Start Num: 3

Candidate Starts for Richie_90:

(Start: 3 @49981 has 5 MA's), (5, 50122), (8, 50248),