



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 172105 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172105 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : TunaTartare_154
- Track 2 : Phredrick_157
- Track 3 : Jada_156, Forrest_159
- Track 4 : MeganTheeKilla_155
- Track 5 : BRock_41

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:

- BRock_41, Forrest_159, Jada_156, MeganTheeKilla_155, Phredrick_157, TunaTartare_154,

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 6 of 6 (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: BRock_41 (BS), Forrest_159 (BK1), Jada_156 (BK1), MeganTheeKilla_155 (BK1), Phredrick_157 (BK1), TunaTartare_154 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BS,

Info for manual annotations of cluster BK1:

- Start number 4 was manually annotated 5 times for cluster BK1.

Info for manual annotations of cluster BS:

- Start number 4 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: BRock_41 Start: 14791, Stop: 14961, Start Num: 4

Candidate Starts for BRock_41:

(Start: 4 @14791 has 6 MA's), (6, 14851), (9, 14899),

Gene: Forrest_159 Start: 86104, Stop: 86274, Start Num: 4

Candidate Starts for Forrest_159:

(1, 85993), (Start: 4 @86104 has 6 MA's),

Gene: Jada_156 Start: 84801, Stop: 84971, Start Num: 4

Candidate Starts for Jada_156:

(1, 84690), (Start: 4 @84801 has 6 MA's),

Gene: MeganTheeKilla_155 Start: 84589, Stop: 84762, Start Num: 4

Candidate Starts for MeganTheeKilla_155:

(2, 84520), (3, 84529), (Start: 4 @84589 has 6 MA's), (7, 84673), (8, 84682), (10, 84709),

Gene: Phredrick_157 Start: 84468, Stop: 84644, Start Num: 4

Candidate Starts for Phredrick_157:

(Start: 4 @84468 has 6 MA's), (5, 84480), (11, 84612),

Gene: TunaTartare_154 Start: 88266, Stop: 88436, Start Num: 4

Candidate Starts for TunaTartare_154:

(Start: 4 @88266 has 6 MA's),