



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 10079 Report

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

Pham number 10079 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MrWormie_69, Luker_70, Charianelly_68, Berries_69, Lidong_69, Bianmat_69, Shelley_69

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Berries_69, Bianmat_69, Charianelly_68, Lidong_69, Luker_70, MrWormie_69, Shelley_69,

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 1:

- Found in 7 of 7 (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: Berries_69 (CS3), Bianmat_69 (CS3), Charianelly_68 (CS3), Lidong_69 (CS3), Luker_70 (CS3), MrWormie_69 (CS3), Shelley_69 (CS3),

Summary by clusters:

There is one cluster represented in this pham: CS3

Info for manual annotations of cluster CS3:

- Start number 1 was manually annotated 5 times for cluster CS3.

Gene Information:

Gene: Berries_69 Start: 58423, Stop: 58307, Start Num: 1

Candidate Starts for Berries_69:

(Start: 1 @58423 has 5 MA's),

Gene: Bianmat_69 Start: 58463, Stop: 58347, Start Num: 1

Candidate Starts for Bianmat_69:

(Start: 1 @58463 has 5 MA's),

Gene: Charianelly_68 Start: 58173, Stop: 58057, Start Num: 1

Candidate Starts for Charianelly_68:

(Start: 1 @58173 has 5 MA's),

Gene: Lidong_69 Start: 58423, Stop: 58307, Start Num: 1

Candidate Starts for Lidong_69:

(Start: 1 @58423 has 5 MA's),

Gene: Luker_70 Start: 58641, Stop: 58525, Start Num: 1

Candidate Starts for Luker_70:

(Start: 1 @58641 has 5 MA's),

Gene: MrWormie_69 Start: 57326, Stop: 57210, Start Num: 1

Candidate Starts for MrWormie_69:

(Start: 1 @57326 has 5 MA's),

Gene: Shelley_69 Start: 57650, Stop: 57534, Start Num: 1

Candidate Starts for Shelley_69:

(Start: 1 @57650 has 5 MA's),