



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 23903 Report

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

Pham number 23903 has 5 members, 2 are drafts.

Phages represented in each track:

- Track 1 : WhereRU_168, Navo_166, Persimmon_164
- Track 2 : Squillium_164
- Track 3 : PinkiePie_161

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Navo_166, Persimmon_164, PinkiePie_161, WhereRU_168,

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

- Squillium_164,

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

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Summary by start number:

Start 1:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Squillium_164 (BE1),

Start 2:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Navo_166 (BE1), Persimmon_164 (BE1), PinkiePie_161 (BE1), WhereRU_168 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:

- Start number 1 was manually annotated 1 time for cluster BE1.
- Start number 2 was manually annotated 2 times for cluster BE1.

Gene Information:

Gene: Navo_166 Start: 92523, Stop: 92663, Start Num: 2

Candidate Starts for Navo_166:

(Start: 1 @92502 has 1 MA's), (Start: 2 @92523 has 2 MA's), (3, 92535), (4, 92598), (5, 92640),

Gene: Persimmon_164 Start: 92296, Stop: 92436, Start Num: 2

Candidate Starts for Persimmon_164:

(Start: 1 @92275 has 1 MA's), (Start: 2 @92296 has 2 MA's), (3, 92308), (4, 92371), (5, 92413),

Gene: PinkiePie_161 Start: 92940, Stop: 93092, Start Num: 2

Candidate Starts for PinkiePie_161:

(Start: 1 @92919 has 1 MA's), (Start: 2 @92940 has 2 MA's), (3, 92952), (4, 93015), (5, 93057), (6, 93078), (7, 93084),

Gene: Squillium_164 Start: 92921, Stop: 93094, Start Num: 1

Candidate Starts for Squillium_164:

(Start: 1 @92921 has 1 MA's), (Start: 2 @92942 has 2 MA's), (3, 92954), (4, 93017), (5, 93059), (6, 93080), (7, 93086),

Gene: WhereRU_168 Start: 93048, Stop: 93188, Start Num: 2

Candidate Starts for WhereRU_168:

(Start: 1 @93027 has 1 MA's), (Start: 2 @93048 has 2 MA's), (3, 93060), (4, 93123), (5, 93165),