



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 13088 Report

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

Pham number 13088 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Gretchen_60, Percival_61
- Track 2 : Caron_65
- Track 3 : Barnstormer_62, UtzChips_62
- Track 4 : SuMoo_69

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

Genes that call this "Most Annotated" start:

- Caron_65, Gretchen_60, Percival_61,

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

- Barnstormer_62, UtzChips_62,

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

- SuMoo_69,

Summary by start number:

Start 1:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barnstormer_62 (EH), UtzChips_62 (EH),

Start 2:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Caron_65 (EH), Gretchen_60 (EH), Percival_61 (EH),

Start 3:

- Found in 6 of 6 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: SuMoo_69 (EH),

Summary by clusters:

There is one cluster represented in this pham: EH

Info for manual annotations of cluster EH:

- Start number 1 was manually annotated 2 times for cluster EH.
- Start number 2 was manually annotated 3 times for cluster EH.

Gene Information:

Gene: Barnstormer_62 Start: 40738, Stop: 41031, Start Num: 1

Candidate Starts for Barnstormer_62:

(Start: 1 @40738 has 2 MA's), (Start: 2 @40747 has 3 MA's), (3, 40783), (4, 40867),

Gene: Caron_65 Start: 41260, Stop: 41544, Start Num: 2

Candidate Starts for Caron_65:

(Start: 2 @41260 has 3 MA's), (3, 41296), (4, 41380),

Gene: Gretchen_60 Start: 41153, Stop: 41440, Start Num: 2

Candidate Starts for Gretchen_60:

(Start: 2 @41153 has 3 MA's), (3, 41189), (4, 41273), (5, 41297), (7, 41390),

Gene: Percival_61 Start: 41053, Stop: 41340, Start Num: 2

Candidate Starts for Percival_61:

(Start: 2 @41053 has 3 MA's), (3, 41089), (4, 41173), (5, 41197), (7, 41290),

Gene: SuMoo_69 Start: 43077, Stop: 43328, Start Num: 3

Candidate Starts for SuMoo_69:

(3, 43077), (6, 43236), (8, 43281),

Gene: UtzChips_62 Start: 40723, Stop: 41016, Start Num: 1

Candidate Starts for UtzChips_62:

(Start: 1 @40723 has 2 MA's), (Start: 2 @40732 has 3 MA's), (3, 40768), (4, 40852),