



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 88068 Report

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

Pham number 88068 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Crosby_10
- Track 2 : Marky_11
- Track 3 : Bogota_10
- Track 4 : Stuff_10, Intolerant_10
- Track 5 : Microdon_10
- Track 6 : UNTPL_10

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bogota_10, Intolerant_10, Marky_11, Microdon_10, Stuff_10, UNTPL_10,

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

- Crosby_10,

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

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Summary by start number:

Start 1:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Crosby_10 (BH),

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 85.7% of time when present

- Phage (with cluster) where this start called: Bogota_10 (BH), Intolerant_10 (BH), Marky_11 (BH), Microdon_10 (BH), Stuff_10 (BH), UNTPL_10 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

- Start number 1 was manually annotated 1 time for cluster BH.
- Start number 2 was manually annotated 6 times for cluster BH.

Gene Information:

Gene: Bogota_10 Start: 8428, Stop: 8676, Start Num: 2

Candidate Starts for Bogota_10:

(Start: 1 @8419 has 1 MA's), (Start: 2 @8428 has 6 MA's), (5, 8494), (9, 8587),

Gene: Crosby_10 Start: 8440, Stop: 8697, Start Num: 1

Candidate Starts for Crosby_10:

(Start: 1 @8440 has 1 MA's), (Start: 2 @8449 has 6 MA's), (4, 8497), (5, 8515),

Gene: Intolerant_10 Start: 8425, Stop: 8673, Start Num: 2

Candidate Starts for Intolerant_10:

(Start: 1 @8416 has 1 MA's), (Start: 2 @8425 has 6 MA's), (4, 8473), (5, 8491),

Gene: Marky_11 Start: 8479, Stop: 8724, Start Num: 2

Candidate Starts for Marky_11:

(Start: 2 @8479 has 6 MA's), (4, 8527), (6, 8557),

Gene: Microdon_10 Start: 8248, Stop: 8493, Start Num: 2

Candidate Starts for Microdon_10:

(Start: 1 @8239 has 1 MA's), (Start: 2 @8248 has 6 MA's), (3, 8251), (4, 8296), (5, 8314), (8, 8374),

Gene: Stuff_10 Start: 8428, Stop: 8676, Start Num: 2

Candidate Starts for Stuff_10:

(Start: 1 @8419 has 1 MA's), (Start: 2 @8428 has 6 MA's), (4, 8476), (5, 8494),

Gene: UNTPL_10 Start: 8431, Stop: 8679, Start Num: 2

Candidate Starts for UNTPL_10:

(Start: 1 @8422 has 1 MA's), (Start: 2 @8431 has 6 MA's), (4, 8479), (5, 8497), (7, 8548), (9, 8590),