



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 10327 Report

This analysis was run 04/22/24 on database version 561.

Pham number 10327 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BrayBeast_58
- Track 2 : Shoya_58
- Track 3 : Sarge_53
- Track 4 : Nandita_52
- Track 5 : Bauer_72
- Track 6 : Khuang_55

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

Genes that call this "Most Annotated" start:

- BrayBeast_58, Sarge_53, Shoya_58,

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

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

- Bauer_72, Khuang_55, Nandita_52,

Summary by start number:

Start 3:

- Found in 1 of 6 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Khuang_55 (UNK),

Start 4:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BrayBeast_58 (FB), Sarge_53 (FB), Shoya_58 (FB),

Start 6:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nandita_52 (FF),

Start 8:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bauer_72 (FN),

Summary by clusters:

There are 4 clusters represented in this pham: FB, UNK, FF, FN,

Info for manual annotations of cluster FB:

- Start number 4 was manually annotated 3 times for cluster FB.

Info for manual annotations of cluster FF:

- Start number 6 was manually annotated 1 time for cluster FF.

Info for manual annotations of cluster FN:

- Start number 8 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Bauer_72 Start: 40705, Stop: 40962, Start Num: 8

Candidate Starts for Bauer_72:

(1, 40567), (Start: 8 @40705 has 1 MA's), (14, 40930),

Gene: BrayBeast_58 Start: 32378, Stop: 32662, Start Num: 4

Candidate Starts for BrayBeast_58:

(Start: 4 @32378 has 3 MA's),

Gene: Khuang_55 Start: 31984, Stop: 32274, Start Num: 3

Candidate Starts for Khuang_55:

(2, 31957), (3, 31984), (5, 31996), (10, 32032),

Gene: Nandita_52 Start: 34205, Stop: 34474, Start Num: 6

Candidate Starts for Nandita_52:

(Start: 6 @34205 has 1 MA's), (7, 34211), (9, 34220), (12, 34298), (13, 34421), (15, 34448),

Gene: Sarge_53 Start: 30695, Stop: 30994, Start Num: 4

Candidate Starts for Sarge_53:

(Start: 4 @30695 has 3 MA's),

Gene: Shoya_58 Start: 32309, Stop: 32596, Start Num: 4
Candidate Starts for Shoya_58:
(Start: 4 @32309 has 3 MA's), (11, 32363),