



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 87734 Report

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

Pham number 87734 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Trumpet_66, Polly_63, Suscepit_66, Kita_67, Neobush_68, Manasvini_67, Tayonia_66, Zameen_66
- Track 2 : Ruthy_67

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Kita_67, Manasvini_67, Neobush_68, Polly_63, Suscepit_66, Tayonia_66, Trumpet_66, Zameen_66,

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:

- Ruthy_67,

Summary by start number:

Start 2:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ruthy_67 (DW),

Start 3:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kita_67 (CZ1), Manasvini_67 (CZ1), Neobush_68 (CZ1), Polly_63 (CZ1), Suscepit_66 (CZ1), Tayonia_66 (CZ1), Trumpet_66 (CZ1), Zameen_66 (CZ1),

Summary by clusters:

There are 2 clusters represented in this pham: DW, CZ1,

Info for manual annotations of cluster CZ1:

- Start number 3 was manually annotated 8 times for cluster CZ1.

Info for manual annotations of cluster DW:

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

Gene Information:

Gene: Kita_67 Start: 44499, Stop: 44272, Start Num: 3

Candidate Starts for Kita_67:

(1, 44559), (Start: 3 @44499 has 8 MA's), (4, 44487), (5, 44466), (7, 44412), (8, 44409), (9, 44391), (10, 44382), (11, 44328),

Gene: Manasvini_67 Start: 44514, Stop: 44287, Start Num: 3

Candidate Starts for Manasvini_67:

(1, 44574), (Start: 3 @44514 has 8 MA's), (4, 44502), (5, 44481), (7, 44427), (8, 44424), (9, 44406), (10, 44397), (11, 44343),

Gene: Neobush_68 Start: 45058, Stop: 44831, Start Num: 3

Candidate Starts for Neobush_68:

(1, 45118), (Start: 3 @45058 has 8 MA's), (4, 45046), (5, 45025), (7, 44971), (8, 44968), (9, 44950), (10, 44941), (11, 44887),

Gene: Polly_63 Start: 43933, Stop: 43706, Start Num: 3

Candidate Starts for Polly_63:

(1, 43993), (Start: 3 @43933 has 8 MA's), (4, 43921), (5, 43900), (7, 43846), (8, 43843), (9, 43825), (10, 43816), (11, 43762),

Gene: Ruthy_67 Start: 47572, Stop: 47354, Start Num: 2

Candidate Starts for Ruthy_67:

(Start: 2 @47572 has 1 MA's), (6, 47536),

Gene: Suscepit_66 Start: 44491, Stop: 44264, Start Num: 3

Candidate Starts for Suscepit_66:

(1, 44551), (Start: 3 @44491 has 8 MA's), (4, 44479), (5, 44458), (7, 44404), (8, 44401), (9, 44383), (10, 44374), (11, 44320),

Gene: Tayonia_66 Start: 44490, Stop: 44263, Start Num: 3

Candidate Starts for Tayonia_66:

(1, 44550), (Start: 3 @44490 has 8 MA's), (4, 44478), (5, 44457), (7, 44403), (8, 44400), (9, 44382), (10, 44373), (11, 44319),

Gene: Trumpet_66 Start: 44491, Stop: 44264, Start Num: 3

Candidate Starts for Trumpet_66:

(1, 44551), (Start: 3 @44491 has 8 MA's), (4, 44479), (5, 44458), (7, 44404), (8, 44401), (9, 44383), (10, 44374), (11, 44320),

Gene: Zameen_66 Start: 44490, Stop: 44263, Start Num: 3

Candidate Starts for Zameen_66:

(1, 44550), (Start: 3 @44490 has 8 MA's), (4, 44478), (5, 44457), (7, 44403), (8, 44400), (9, 44382),
(10, 44373), (11, 44319),