



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 303960 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303960 has 7 members, 5 are drafts.

Phages represented in each track:

- Track 1 : AlanGrant_17
- Track 2 : Rita130_17
- Track 3 : SirJeffery_17
- Track 4 : KarasumaRum_19, StinkyVeggy_19
- Track 5 : Nehemiah_16
- Track 6 : EastView9101_17

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

The start number called the most often in the published annotations is 6, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlanGrant_17,

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:

- EastView9101_17, KarasumaRum_19, Nehemiah_16, Rita130_17, SirJeffery_17, StinkyVeggy_19,

Summary by start number:

Start 5:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 57.1% of time when present
- Phage (with cluster) where this start called: EastView9101_17 (B5), Nehemiah_16 (B5), Rita130_17 (B5), SirJeffery_17 (B5),

Start 6:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 2

- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlanGrant_17 (B4),

Start 9:

- Found in 7 of 7 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 28.6% of time when present
- Phage (with cluster) where this start called: KarasumaRum_19 (B5), StinkyVeggy_19 (B5),

Summary by clusters:

There are 2 clusters represented in this pham: B4, B5,

Info for manual annotations of cluster B4:

- Start number 6 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:

- Start number 5 was manually annotated 1 time for cluster B5.

Gene Information:

Gene: AlanGrant_17 Start: 16219, Stop: 16518, Start Num: 6

Candidate Starts for AlanGrant_17:

(4, 16153), (Start: 5 @16207 has 1 MA's), (Start: 6 @16219 has 1 MA's), (8, 16231), (9, 16249),

Gene: EastView9101_17 Start: 15313, Stop: 15612, Start Num: 5

Candidate Starts for EastView9101_17:

(1, 14920), (2, 15007), (4, 15262), (Start: 5 @15313 has 1 MA's), (7, 15334), (9, 15355), (10, 15394), (11, 15469), (12, 15484),

Gene: KarasumaRum_19 Start: 15482, Stop: 15724, Start Num: 9

Candidate Starts for KarasumaRum_19:

(2, 15131), (3, 15272), (4, 15389), (Start: 5 @15440 has 1 MA's), (7, 15461), (9, 15482), (10, 15521), (11, 15596), (12, 15611),

Gene: Nehemiah_16 Start: 15551, Stop: 15844, Start Num: 5

Candidate Starts for Nehemiah_16:

(2, 15242), (3, 15383), (4, 15500), (Start: 5 @15551 has 1 MA's), (7, 15572), (9, 15593), (10, 15632), (11, 15707), (12, 15722),

Gene: Rita130_17 Start: 15309, Stop: 15602, Start Num: 5

Candidate Starts for Rita130_17:

(1, 14913), (2, 15000), (3, 15141), (4, 15258), (Start: 5 @15309 has 1 MA's), (7, 15330), (9, 15351), (10, 15390), (11, 15465), (12, 15480),

Gene: SirJeffery_17 Start: 15310, Stop: 15603, Start Num: 5

Candidate Starts for SirJeffery_17:

(1, 14914), (2, 15001), (3, 15142), (4, 15259), (Start: 5 @15310 has 1 MA's), (7, 15331), (9, 15352), (10, 15391), (11, 15466), (12, 15481), (13, 15565),

Gene: StinkyVeggy_19 Start: 15482, Stop: 15724, Start Num: 9

Candidate Starts for StinkyVeggy_19:

(2, 15131), (3, 15272), (4, 15389), (Start: 5 @15440 has 1 MA's), (7, 15461), (9, 15482), (10, 15521),
(11, 15596), (12, 15611),