



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 309877 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309877 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Utopia_6
- Track 2 : Whytu_6
- Track 3 : Yavru_6
- Track 4 : Piku_6
- Track 5 : BlueFeather_8
- Track 6 : Smilerella_8, MoRicky_8
- Track 7 : BigBoyz_7
- Track 8 : PensacolaC28_6

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 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Piku_6, Utopia_6, Whytu_6, Yavru_6,

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:

- BigBoyz_7, BlueFeather_8, MoRicky_8, PensacolaC28_6, Smilerella_8,

Summary by start number:

Start 4:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigBoyz_7 (GH), MoRicky_8 (GH), Smilerella_8 (GH),

Start 5:

- 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: PensacolaC28_6 (singleton),

Start 6:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Piku_6 (FE), Utopia_6 (FE), Whytu_6 (FE), Yavru_6 (FE),

Start 7:

- 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: BlueFeather_8 (FE),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FE, GH,

Info for manual annotations of cluster FE:

- Start number 6 was manually annotated 4 times for cluster FE.
- Start number 7 was manually annotated 1 time for cluster FE.

Info for manual annotations of cluster GH:

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

Gene Information:

Gene: BigBoyz_7 Start: 5479, Stop: 5961, Start Num: 4

Candidate Starts for BigBoyz_7:

(1, 4789), (2, 4960), (3, 5314), (Start: 4 @5479 has 3 MA's), (14, 5644), (23, 5770), (25, 5785), (26, 5788), (33, 5899), (34, 5926),

Gene: BlueFeather_8 Start: 5728, Stop: 6108, Start Num: 7

Candidate Starts for BlueFeather_8:

(Start: 7 @5728 has 1 MA's), (9, 5782), (10, 5791), (18, 5920), (22, 5980), (28, 6040), (31, 6073),

Gene: MoRicky_8 Start: 5629, Stop: 6039, Start Num: 4

Candidate Starts for MoRicky_8:

(Start: 4 @5629 has 3 MA's), (9, 5707), (12, 5743), (13, 5773), (21, 5890), (24, 5935), (25, 5938), (30, 5998),

Gene: PensacolaC28_6 Start: 5568, Stop: 5978, Start Num: 5

Candidate Starts for PensacolaC28_6:

(Start: 5 @5568 has 1 MA's), (8, 5598), (10, 5646), (11, 5655), (16, 5751), (18, 5784), (20, 5817), (27, 5865), (31, 5925), (32, 5937),

Gene: Piku_6 Start: 5447, Stop: 5836, Start Num: 6

Candidate Starts for Piku_6:

(Start: 6 @5447 has 4 MA's), (15, 5612), (18, 5651), (19, 5657), (31, 5801),

Gene: Smilerella_8 Start: 5629, Stop: 6039, Start Num: 4

Candidate Starts for Smilerella_8:

(Start: 4 @5629 has 3 MA's), (9, 5707), (12, 5743), (13, 5773), (21, 5890), (24, 5935), (25, 5938), (30, 5998),

Gene: Utopia_6 Start: 5448, Stop: 5840, Start Num: 6

Candidate Starts for Utopia_6:

(Start: 6 @5448 has 4 MA's), (15, 5613), (17, 5646), (18, 5652), (19, 5658), (29, 5793),

Gene: Whytu_6 Start: 5413, Stop: 5802, Start Num: 6

Candidate Starts for Whytu_6:

(Start: 6 @5413 has 4 MA's), (15, 5578), (18, 5617), (19, 5623), (20, 5650),

Gene: Yavru_6 Start: 5463, Stop: 5852, Start Num: 6

Candidate Starts for Yavru_6:

(Start: 6 @5463 has 4 MA's), (15, 5628), (18, 5667), (19, 5673),