



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 87335 Report

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

Pham number 87335 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Amavida_85, Heylee_85
- Track 2 : Yeezus_87, Jaek_87, Ichor_87, Boersma_89, Thunderclap_86, Amigo_87
- Track 3 : SorJuana_87, Anansi_87, Gorgeous_87

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

The start number called the most often in the published annotations is 1, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida_85, Amigo_87, Anansi_87, Boersma_89, Gorgeous_87, Heylee_85, Ichor_87, Jaek_87, SorJuana_87, Thunderclap_86, Yeezus_87,

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

-

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

-

Summary by start number:

Start 1:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_85 (AQ), Amigo_87 (AQ), Anansi_87 (AQ), Boersma_89 (AQ), Gorgeous_87 (AQ), Heylee_85 (AQ), Ichor_87 (AQ), Jaek_87 (AQ), SorJuana_87 (AQ), Thunderclap_86 (AQ), Yeezus_87 (AQ),

Summary by clusters:

There is one cluster represented in this pham: AQ

Info for manual annotations of cluster AQ:

- Start number 1 was manually annotated 9 times for cluster AQ.

Gene Information:

Gene: Amavida_85 Start: 56166, Stop: 56675, Start Num: 1

Candidate Starts for Amavida_85:

(Start: 1 @56166 has 9 MA's), (2, 56265), (3, 56340), (4, 56385), (7, 56469), (8, 56499), (9, 56610), (10, 56613),

Gene: Amigo_87 Start: 56438, Stop: 56947, Start Num: 1

Candidate Starts for Amigo_87:

(Start: 1 @56438 has 9 MA's), (2, 56537), (3, 56612), (4, 56657), (5, 56678), (6, 56699), (7, 56741), (8, 56771), (9, 56882), (10, 56885),

Gene: Anansi_87 Start: 56096, Stop: 56605, Start Num: 1

Candidate Starts for Anansi_87:

(Start: 1 @56096 has 9 MA's), (2, 56195), (4, 56315), (7, 56399), (8, 56429), (9, 56540), (10, 56543),

Gene: Boersma_89 Start: 56438, Stop: 56962, Start Num: 1

Candidate Starts for Boersma_89:

(Start: 1 @56438 has 9 MA's), (2, 56537), (3, 56627), (4, 56672), (5, 56693), (6, 56714), (7, 56756), (8, 56786), (9, 56897), (10, 56900),

Gene: Gorgeous_87 Start: 56227, Stop: 56736, Start Num: 1

Candidate Starts for Gorgeous_87:

(Start: 1 @56227 has 9 MA's), (2, 56326), (4, 56446), (7, 56530), (8, 56560), (9, 56671), (10, 56674),

Gene: Heylee_85 Start: 56166, Stop: 56675, Start Num: 1

Candidate Starts for Heylee_85:

(Start: 1 @56166 has 9 MA's), (2, 56265), (3, 56340), (4, 56385), (7, 56469), (8, 56499), (9, 56610), (10, 56613),

Gene: Ichor_87 Start: 56438, Stop: 56947, Start Num: 1

Candidate Starts for Ichor_87:

(Start: 1 @56438 has 9 MA's), (2, 56537), (3, 56612), (4, 56657), (5, 56678), (6, 56699), (7, 56741), (8, 56771), (9, 56882), (10, 56885),

Gene: Jaek_87 Start: 56438, Stop: 56947, Start Num: 1

Candidate Starts for Jaek_87:

(Start: 1 @56438 has 9 MA's), (2, 56537), (3, 56612), (4, 56657), (5, 56678), (6, 56699), (7, 56741), (8, 56771), (9, 56882), (10, 56885),

Gene: SorJuana_87 Start: 56227, Stop: 56736, Start Num: 1

Candidate Starts for SorJuana_87:

(Start: 1 @56227 has 9 MA's), (2, 56326), (4, 56446), (7, 56530), (8, 56560), (9, 56671), (10, 56674),

Gene: Thunderclap_86 Start: 56416, Stop: 56925, Start Num: 1

Candidate Starts for Thunderclap_86:

(Start: 1 @56416 has 9 MA's), (2, 56515), (3, 56590), (4, 56635), (5, 56656), (6, 56677), (7, 56719), (8, 56749), (9, 56860), (10, 56863),

Gene: Yeezus_87 Start: 56437, Stop: 56946, Start Num: 1

Candidate Starts for Yeezus_87:

(Start: 1 @56437 has 9 MA's), (2, 56536), (3, 56611), (4, 56656), (5, 56677), (6, 56698), (7, 56740), (8, 56770), (9, 56881), (10, 56884),