



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 5411 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5411 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Thunderclap_66, Amigo_67, SorJuana_66, Jaek_66, Anansi_66, Yeezus_66, Boersma_69, Rings_67, Ichor_66, Heylee_64, Gorgeous_66, Amavida_64
- Track 2 : Molivia_68

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida_64, Amigo_67, Anansi_66, Boersma_69, Gorgeous_66, Heylee_64, Ichor_66, Jaek_66, Molivia_68, Rings_67, SorJuana_66, Thunderclap_66, Yeezus_66,

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 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_64 (AQ), Amigo_67 (AQ), Anansi_66 (AQ), Boersma_69 (AQ), Gorgeous_66 (AQ), Heylee_64 (AQ), Ichor_66 (AQ), Jaek_66 (AQ), Molivia_68 (AQ), Rings_67 (AQ), SorJuana_66 (AQ), Thunderclap_66 (AQ), Yeezus_66 (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 11 times for cluster AQ.

Gene Information:

Gene: Amavida_64 Start: 44750, Stop: 44481, Start Num: 1

Candidate Starts for Amavida_64:

(Start: 1 @44750 has 11 MA's), (5, 44609), (6, 44603), (7, 44588), (8, 44507),

Gene: Amigo_67 Start: 44965, Stop: 44696, Start Num: 1

Candidate Starts for Amigo_67:

(Start: 1 @44965 has 11 MA's), (5, 44824), (6, 44818), (7, 44803), (8, 44722),

Gene: Anansi_66 Start: 44572, Stop: 44303, Start Num: 1

Candidate Starts for Anansi_66:

(Start: 1 @44572 has 11 MA's), (5, 44431), (6, 44425), (7, 44410), (8, 44329),

Gene: Boersma_69 Start: 44965, Stop: 44696, Start Num: 1

Candidate Starts for Boersma_69:

(Start: 1 @44965 has 11 MA's), (5, 44824), (6, 44818), (7, 44803), (8, 44722),

Gene: Gorgeous_66 Start: 44572, Stop: 44303, Start Num: 1

Candidate Starts for Gorgeous_66:

(Start: 1 @44572 has 11 MA's), (5, 44431), (6, 44425), (7, 44410), (8, 44329),

Gene: Heylee_64 Start: 44750, Stop: 44481, Start Num: 1

Candidate Starts for Heylee_64:

(Start: 1 @44750 has 11 MA's), (5, 44609), (6, 44603), (7, 44588), (8, 44507),

Gene: Ichor_66 Start: 44965, Stop: 44696, Start Num: 1

Candidate Starts for Ichor_66:

(Start: 1 @44965 has 11 MA's), (5, 44824), (6, 44818), (7, 44803), (8, 44722),

Gene: Jaek_66 Start: 44965, Stop: 44696, Start Num: 1

Candidate Starts for Jaek_66:

(Start: 1 @44965 has 11 MA's), (5, 44824), (6, 44818), (7, 44803), (8, 44722),

Gene: Molivia_68 Start: 43335, Stop: 43069, Start Num: 1

Candidate Starts for Molivia_68:

(Start: 1 @43335 has 11 MA's), (2, 43311), (3, 43278), (4, 43239), (7, 43173), (8, 43092),

Gene: Rings_67 Start: 45013, Stop: 44744, Start Num: 1

Candidate Starts for Rings_67:

(Start: 1 @45013 has 11 MA's), (5, 44872), (6, 44866), (7, 44851), (8, 44770),

Gene: SorJuana_66 Start: 44572, Stop: 44303, Start Num: 1

Candidate Starts for SorJuana_66:

(Start: 1 @44572 has 11 MA's), (5, 44431), (6, 44425), (7, 44410), (8, 44329),

Gene: Thunderclap_66 Start: 44994, Stop: 44725, Start Num: 1

Candidate Starts for Thunderclap_66:

(Start: 1 @44994 has 11 MA's), (5, 44853), (6, 44847), (7, 44832), (8, 44751),

Gene: Yeezus_66 Start: 44964, Stop: 44695, Start Num: 1

Candidate Starts for Yeezus_66:

(Start: 1 @44964 has 11 MA's), (5, 44823), (6, 44817), (7, 44802), (8, 44721),