



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 5210 Report

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

Pham number 5210 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Anansi_44, Rings_43, Yeezus_43, Heylee_43, Amigo_44, Amavida_43, Gorgeous_44, SorJuana_44, Jaek_43, Boersma_45, Ichor_43, Thunderclap_44
- Track 2 : Molivia_48

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

Genes that call this "Most Annotated" start:

- Amavida_43, Amigo_44, Anansi_44, Boersma_45, Gorgeous_44, Heylee_43, Ichor_43, Jaek_43, Rings_43, SorJuana_44, Thunderclap_44, Yeezus_43,

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:

- Molivia_48,

Summary by start number:

Start 3:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_43 (AQ), Amigo_44 (AQ), Anansi_44 (AQ), Boersma_45 (AQ), Gorgeous_44 (AQ), Heylee_43 (AQ), Ichor_43 (AQ), Jaek_43 (AQ), Rings_43 (AQ), SorJuana_44 (AQ), Thunderclap_44 (AQ), Yeezus_43 (AQ),

Start 5:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Molivia_48 (AQ),

Summary by clusters:

There is one cluster represented in this pham: AQ

Info for manual annotations of cluster AQ:

- Start number 3 was manually annotated 10 times for cluster AQ.
- Start number 5 was manually annotated 1 time for cluster AQ.

Gene Information:

Gene: Amavida_43 Start: 30949, Stop: 31107, Start Num: 3

Candidate Starts for Amavida_43:

(Start: 3 @30949 has 10 MA's), (6, 31039), (7, 31048),

Gene: Amigo_44 Start: 30823, Stop: 30957, Start Num: 3

Candidate Starts for Amigo_44:

(Start: 3 @30823 has 10 MA's), (6, 30889), (7, 30898),

Gene: Anansi_44 Start: 30823, Stop: 30957, Start Num: 3

Candidate Starts for Anansi_44:

(Start: 3 @30823 has 10 MA's), (6, 30889), (7, 30898),

Gene: Boersma_45 Start: 30823, Stop: 30957, Start Num: 3

Candidate Starts for Boersma_45:

(Start: 3 @30823 has 10 MA's), (6, 30889), (7, 30898),

Gene: Gorgeous_44 Start: 30823, Stop: 30957, Start Num: 3

Candidate Starts for Gorgeous_44:

(Start: 3 @30823 has 10 MA's), (6, 30889), (7, 30898),

Gene: Heylee_43 Start: 30949, Stop: 31107, Start Num: 3

Candidate Starts for Heylee_43:

(Start: 3 @30949 has 10 MA's), (6, 31039), (7, 31048),

Gene: Ichor_43 Start: 30823, Stop: 30957, Start Num: 3

Candidate Starts for Ichor_43:

(Start: 3 @30823 has 10 MA's), (6, 30889), (7, 30898),

Gene: Jaek_43 Start: 30823, Stop: 30957, Start Num: 3

Candidate Starts for Jaek_43:

(Start: 3 @30823 has 10 MA's), (6, 30889), (7, 30898),

Gene: Molivia_48 Start: 29847, Stop: 29972, Start Num: 5

Candidate Starts for Molivia_48:

(1, 29787), (2, 29799), (4, 29841), (Start: 5 @29847 has 1 MA's), (6, 29904),

Gene: Rings_43 Start: 30945, Stop: 31079, Start Num: 3

Candidate Starts for Rings_43:

(Start: 3 @30945 has 10 MA's), (6, 31011), (7, 31020),

Gene: SorJuana_44 Start: 30823, Stop: 30957, Start Num: 3
Candidate Starts for SorJuana_44:
(Start: 3 @30823 has 10 MA's), (6, 30889), (7, 30898),

Gene: Thunderclap_44 Start: 30852, Stop: 30986, Start Num: 3
Candidate Starts for Thunderclap_44:
(Start: 3 @30852 has 10 MA's), (6, 30918), (7, 30927),

Gene: Yeezus_43 Start: 30822, Stop: 30956, Start Num: 3
Candidate Starts for Yeezus_43:
(Start: 3 @30822 has 10 MA's), (6, 30888), (7, 30897),