



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 5260 Report

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

Pham number 5260 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Thunderclap_78, Jaek_78, Yeezus_78, Boersma_81, Amigo_79, Ichor_78
- Track 2 : SorJuana_78, Anansi_78, Gorgeous_78
- Track 3 : Heylee_76, Amavida_76, Rings_79
- Track 4 : Molivia_82

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_76, Amigo_79, Anansi_78, Boersma_81, Gorgeous_78, Heylee_76, Ichor_78, Jaek_78, Molivia_82, Rings_79, SorJuana_78, Thunderclap_78, Yeezus_78,

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_76 (AQ), Amigo_79 (AQ), Anansi_78 (AQ), Boersma_81 (AQ), Gorgeous_78 (AQ), Heylee_76 (AQ), Ichor_78 (AQ), Jaek_78 (AQ), Molivia_82 (AQ), Rings_79 (AQ), SorJuana_78 (AQ), Thunderclap_78 (AQ), Yeezus_78 (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_76 Start: 50862, Stop: 50494, Start Num: 1

Candidate Starts for Amavida_76:

(Start: 1 @50862 has 11 MA's), (3, 50793), (4, 50787), (9, 50592), (10, 50580), (12, 50550),

Gene: Amigo_79 Start: 51113, Stop: 50745, Start Num: 1

Candidate Starts for Amigo_79:

(Start: 1 @51113 has 11 MA's), (3, 51044), (4, 51038), (9, 50843), (10, 50831),

Gene: Anansi_78 Start: 50678, Stop: 50310, Start Num: 1

Candidate Starts for Anansi_78:

(Start: 1 @50678 has 11 MA's), (2, 50654), (3, 50609), (4, 50603), (9, 50408), (10, 50396),

Gene: Boersma_81 Start: 51113, Stop: 50745, Start Num: 1

Candidate Starts for Boersma_81:

(Start: 1 @51113 has 11 MA's), (3, 51044), (4, 51038), (9, 50843), (10, 50831),

Gene: Gorgeous_78 Start: 50678, Stop: 50310, Start Num: 1

Candidate Starts for Gorgeous_78:

(Start: 1 @50678 has 11 MA's), (2, 50654), (3, 50609), (4, 50603), (9, 50408), (10, 50396),

Gene: Heylee_76 Start: 50862, Stop: 50494, Start Num: 1

Candidate Starts for Heylee_76:

(Start: 1 @50862 has 11 MA's), (3, 50793), (4, 50787), (9, 50592), (10, 50580), (12, 50550),

Gene: Ichor_78 Start: 51113, Stop: 50745, Start Num: 1

Candidate Starts for Ichor_78:

(Start: 1 @51113 has 11 MA's), (3, 51044), (4, 51038), (9, 50843), (10, 50831),

Gene: Jaek_78 Start: 51113, Stop: 50745, Start Num: 1

Candidate Starts for Jaek_78:

(Start: 1 @51113 has 11 MA's), (3, 51044), (4, 51038), (9, 50843), (10, 50831),

Gene: Molivia_82 Start: 49692, Stop: 49324, Start Num: 1

Candidate Starts for Molivia_82:

(Start: 1 @49692 has 11 MA's), (4, 49617), (5, 49611), (6, 49584), (7, 49524), (8, 49473), (10, 49410), (11, 49404),

Gene: Rings_79 Start: 51125, Stop: 50757, Start Num: 1

Candidate Starts for Rings_79:

(Start: 1 @51125 has 11 MA's), (3, 51056), (4, 51050), (9, 50855), (10, 50843), (12, 50813),

Gene: SorJuana_78 Start: 50678, Stop: 50310, Start Num: 1

Candidate Starts for SorJuana_78:

(Start: 1 @50678 has 11 MA's), (2, 50654), (3, 50609), (4, 50603), (9, 50408), (10, 50396),

Gene: Thunderclap_78 Start: 51100, Stop: 50732, Start Num: 1

Candidate Starts for Thunderclap_78:

(Start: 1 @51100 has 11 MA's), (3, 51031), (4, 51025), (9, 50830), (10, 50818),

Gene: Yeezus_78 Start: 51112, Stop: 50744, Start Num: 1

Candidate Starts for Yeezus_78:

(Start: 1 @51112 has 11 MA's), (3, 51043), (4, 51037), (9, 50842), (10, 50830),