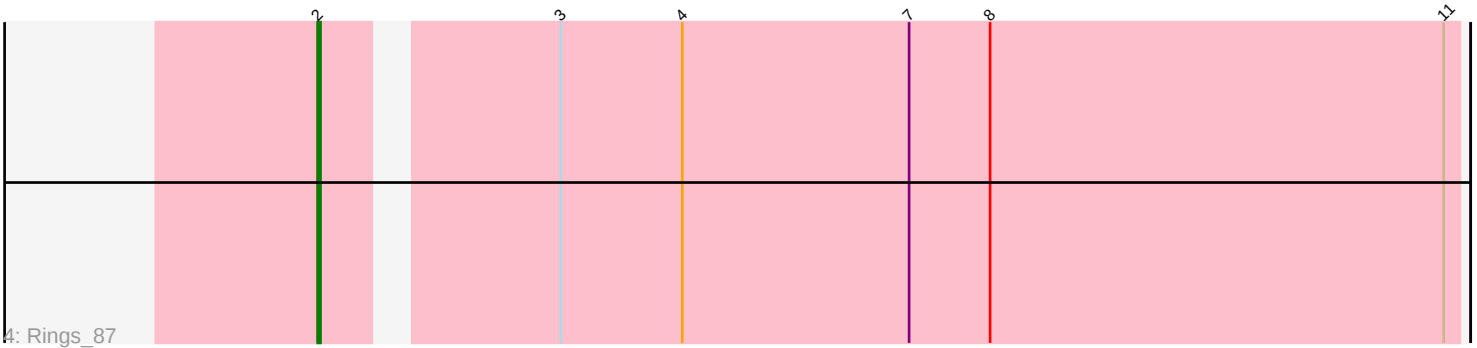
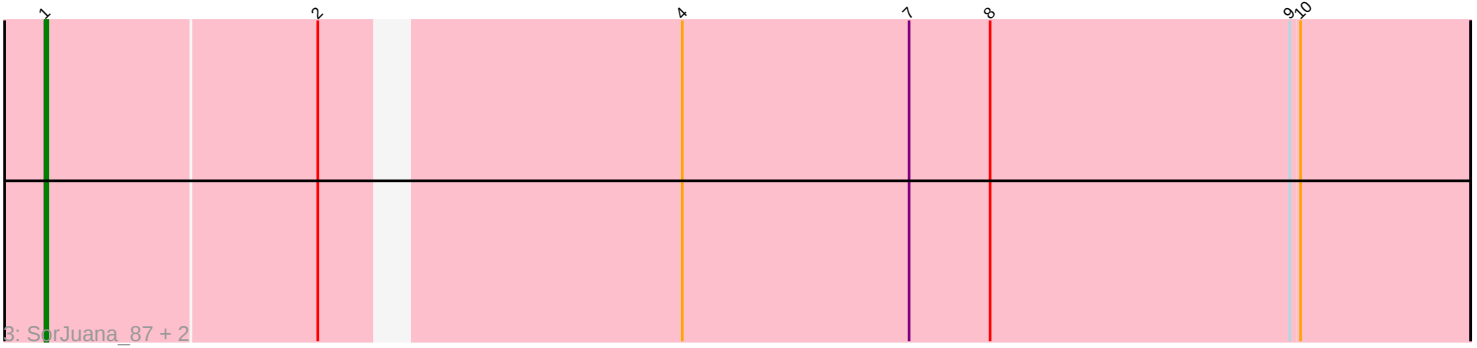
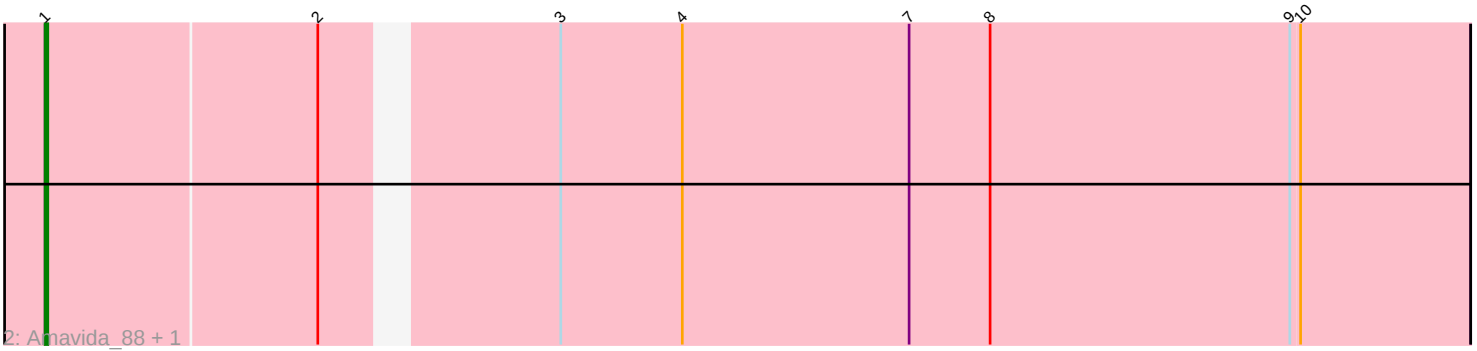
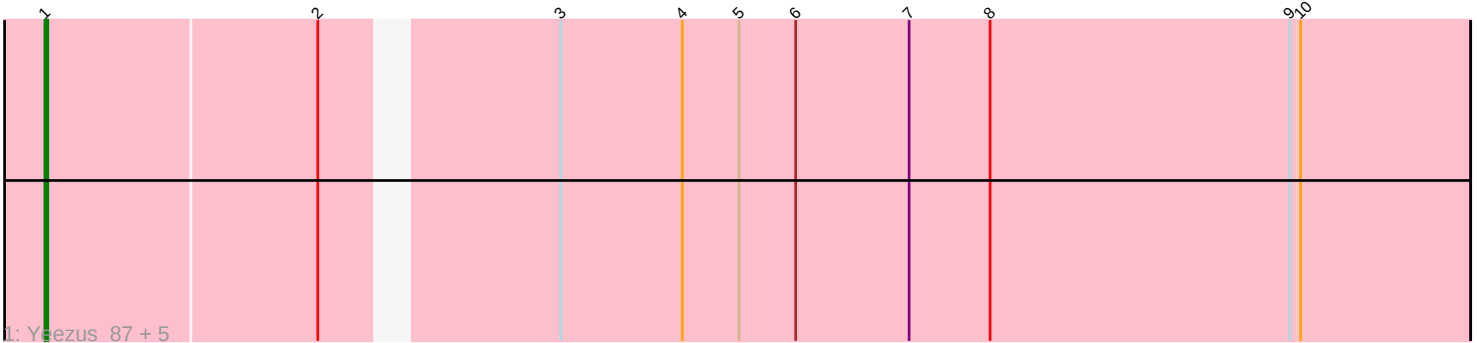




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 309666 Report

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

Pham number 309666 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Yeezus_87, Jaek_87, Ichor_87, Boersma_89, Thunderclap_86, Amigo_87
- Track 2 : Amavida_88, Heylee_89
- Track 3 : SorJuana_87, Anansi_87, Gorgeous_87
- Track 4 : Rings_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 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida_88, Amigo_87, Anansi_87, Boersma_89, Gorgeous_87, Heylee_89, 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:

- Rings_87,

Summary by start number:

Start 1:

- Found in 11 of 12 (91.7%) of genes in pham
- Manual Annotations of this start: 11 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_88 (AQ), Amigo_87 (AQ), Anansi_87 (AQ), Boersma_89 (AQ), Gorgeous_87 (AQ), Heylee_89 (AQ), Ichor_87 (AQ), Jaek_87 (AQ), SorJuana_87 (AQ), Thunderclap_86 (AQ), Yeezus_87 (AQ),

Start 2:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 8.3% of time when present

- Phage (with cluster) where this start called: Rings_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 11 times for cluster AQ.
- Start number 2 was manually annotated 1 time for cluster AQ.

Gene Information:

Gene: Amavida_88 Start: 56166, Stop: 56675, Start Num: 1

Candidate Starts for Amavida_88:

(Start: 1 @56166 has 11 MA's), (Start: 2 @56265 has 1 MA's), (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 11 MA's), (Start: 2 @56537 has 1 MA's), (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 11 MA's), (Start: 2 @56195 has 1 MA's), (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 11 MA's), (Start: 2 @56537 has 1 MA's), (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 11 MA's), (Start: 2 @56326 has 1 MA's), (4, 56446), (7, 56530), (8, 56560), (9, 56671), (10, 56674),

Gene: Heylee_89 Start: 56166, Stop: 56675, Start Num: 1

Candidate Starts for Heylee_89:

(Start: 1 @56166 has 11 MA's), (Start: 2 @56265 has 1 MA's), (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 11 MA's), (Start: 2 @56537 has 1 MA's), (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 11 MA's), (Start: 2 @56537 has 1 MA's), (3, 56612), (4, 56657), (5, 56678), (6, 56699), (7, 56741), (8, 56771), (9, 56882), (10, 56885),

Gene: Rings_87 Start: 56519, Stop: 56926, Start Num: 2

Candidate Starts for Rings_87:

(Start: 2 @56519 has 1 MA's), (3, 56594), (4, 56639), (7, 56723), (8, 56753), (11, 56921),

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

Candidate Starts for SorJuana_87:

(Start: 1 @56227 has 11 MA's), (Start: 2 @56326 has 1 MA's), (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 11 MA's), (Start: 2 @56515 has 1 MA's), (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 11 MA's), (Start: 2 @56536 has 1 MA's), (3, 56611), (4, 56656), (5, 56677), (6, 56698), (7, 56740), (8, 56770), (9, 56881), (10, 56884),