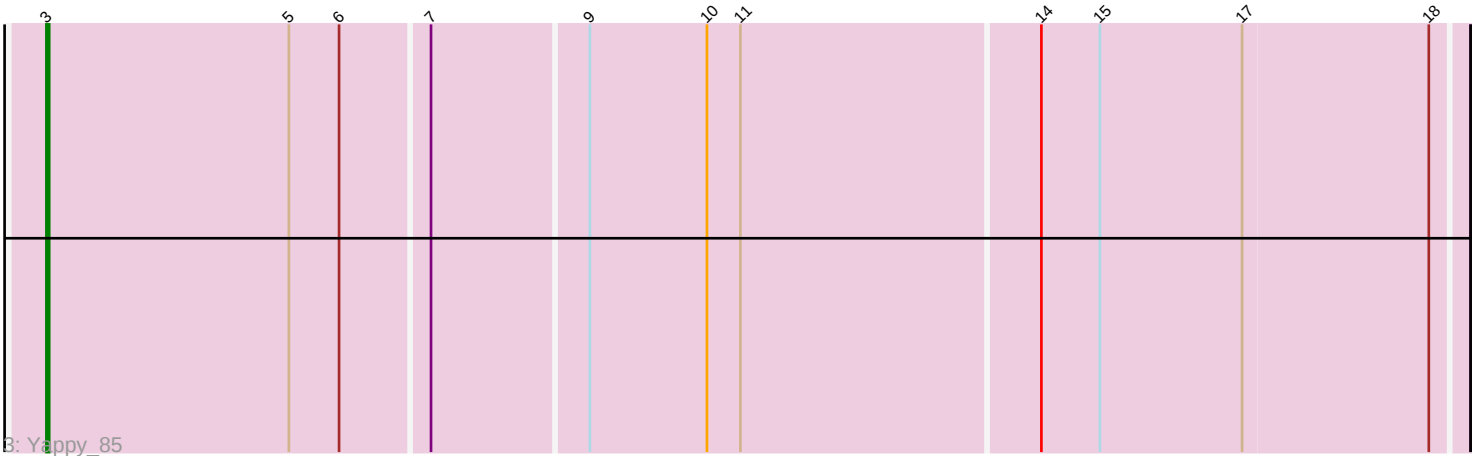
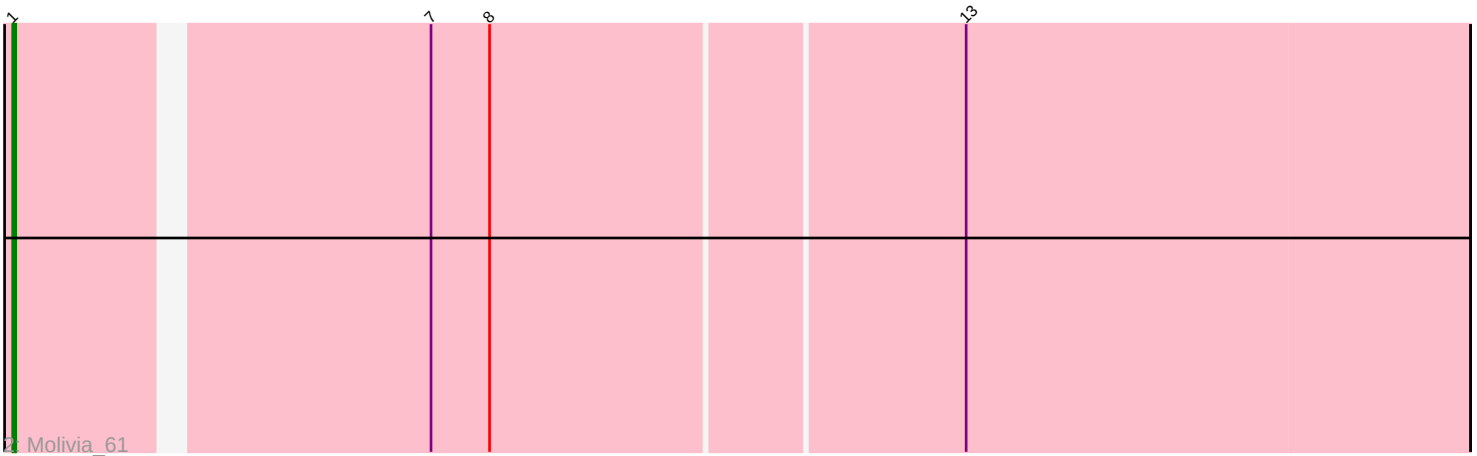
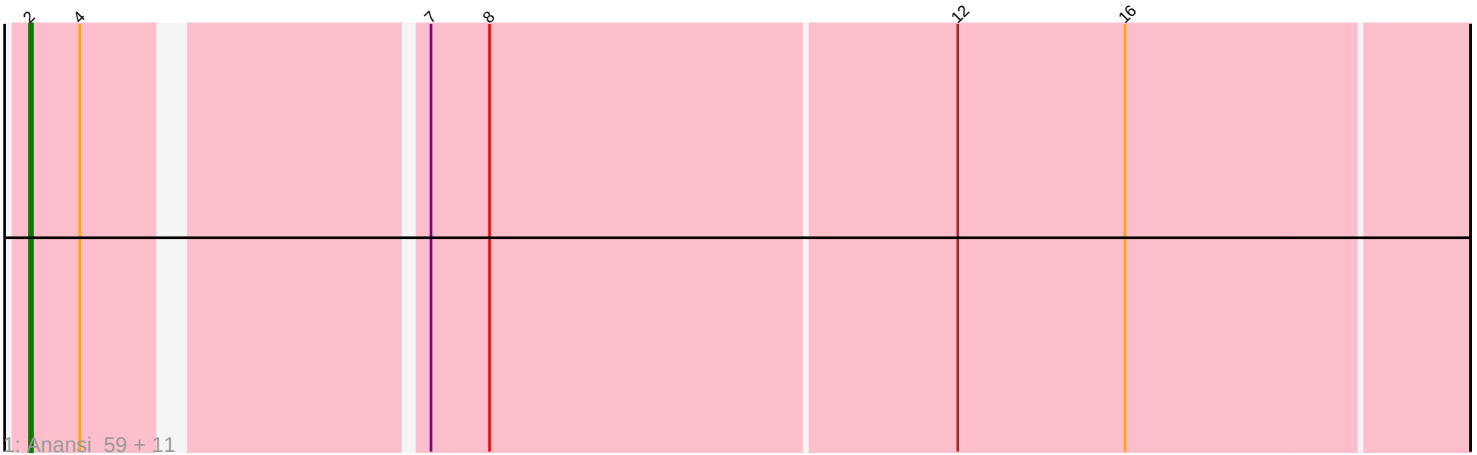




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 319873 Report

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

Pham number 319873 has 14 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Anansi_59, SorJuana_59, Jaek_59, Ichor_59, Yeezus_59, Heylee_62, Amavida_61, Gorgeous_59, Rings_60, Amigo_60, Thunderclap_59, Boersma_62
- Track 2 : Molivia_61
- Track 3 : Yappy_85

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida_61, Amigo_60, Anansi_59, Boersma_62, Gorgeous_59, Heylee_62, Ichor_59, Jaek_59, Rings_60, SorJuana_59, Thunderclap_59, Yeezus_59,

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

-

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

- Molivia_61, Yappy_85,

Summary by start number:

Start 1:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Molivia_61 (AQ),

Start 2:

- Found in 12 of 14 (85.7%) of genes in pham
- Manual Annotations of this start: 12 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_61 (AQ), Amigo_60 (AQ), Anansi_59 (AQ), Boersma_62 (AQ), Gorgeous_59 (AQ), Heylee_62 (AQ), Ichor_59

(AQ), Jaek_59 (AQ), Rings_60 (AQ), SorJuana_59 (AQ), Thunderclap_59 (AQ), Yeezus_59 (AQ),

Start 3:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yappy_85 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: AQ, singleton,

Info for manual annotations of cluster AQ:

- Start number 1 was manually annotated 1 time for cluster AQ.
- Start number 2 was manually annotated 12 times for cluster AQ.

Gene Information:

Gene: Amavida_61 Start: 40228, Stop: 39737, Start Num: 2

Candidate Starts for Amavida_61:

(Start: 2 @40228 has 12 MA's), (4, 40210), (7, 40102), (8, 40081), (12, 39916), (16, 39856),

Gene: Amigo_60 Start: 40443, Stop: 39952, Start Num: 2

Candidate Starts for Amigo_60:

(Start: 2 @40443 has 12 MA's), (4, 40425), (7, 40317), (8, 40296), (12, 40131), (16, 40071),

Gene: Anansi_59 Start: 40050, Stop: 39559, Start Num: 2

Candidate Starts for Anansi_59:

(Start: 2 @40050 has 12 MA's), (4, 40032), (7, 39924), (8, 39903), (12, 39738), (16, 39678),

Gene: Boersma_62 Start: 40443, Stop: 39952, Start Num: 2

Candidate Starts for Boersma_62:

(Start: 2 @40443 has 12 MA's), (4, 40425), (7, 40317), (8, 40296), (12, 40131), (16, 40071),

Gene: Gorgeous_59 Start: 40050, Stop: 39559, Start Num: 2

Candidate Starts for Gorgeous_59:

(Start: 2 @40050 has 12 MA's), (4, 40032), (7, 39924), (8, 39903), (12, 39738), (16, 39678),

Gene: Heylee_62 Start: 40228, Stop: 39737, Start Num: 2

Candidate Starts for Heylee_62:

(Start: 2 @40228 has 12 MA's), (4, 40210), (7, 40102), (8, 40081), (12, 39916), (16, 39856),

Gene: Ichor_59 Start: 40443, Stop: 39952, Start Num: 2

Candidate Starts for Ichor_59:

(Start: 2 @40443 has 12 MA's), (4, 40425), (7, 40317), (8, 40296), (12, 40131), (16, 40071),

Gene: Jaek_59 Start: 40443, Stop: 39952, Start Num: 2

Candidate Starts for Jaek_59:

(Start: 2 @40443 has 12 MA's), (4, 40425), (7, 40317), (8, 40296), (12, 40131), (16, 40071),

Gene: Molivia_61 Start: 38854, Stop: 38351, Start Num: 1

Candidate Starts for Molivia_61:

(Start: 1 @38854 has 1 MA's), (7, 38716), (8, 38695), (13, 38530),

Gene: Rings_60 Start: 40491, Stop: 40000, Start Num: 2

Candidate Starts for Rings_60:

(Start: 2 @40491 has 12 MA's), (4, 40473), (7, 40365), (8, 40344), (12, 40179), (16, 40119),

Gene: SorJuana_59 Start: 40050, Stop: 39559, Start Num: 2

Candidate Starts for SorJuana_59:

(Start: 2 @40050 has 12 MA's), (4, 40032), (7, 39924), (8, 39903), (12, 39738), (16, 39678),

Gene: Thunderclap_59 Start: 40472, Stop: 39981, Start Num: 2

Candidate Starts for Thunderclap_59:

(Start: 2 @40472 has 12 MA's), (4, 40454), (7, 40346), (8, 40325), (12, 40160), (16, 40100),

Gene: Yappy_85 Start: 43729, Stop: 43232, Start Num: 3

Candidate Starts for Yappy_85:

(Start: 3 @43729 has 1 MA's), (5, 43642), (6, 43624), (7, 43594), (9, 43540), (10, 43498), (11, 43486), (14, 43381), (15, 43360), (17, 43309), (18, 43243),

Gene: Yeezus_59 Start: 40442, Stop: 39951, Start Num: 2

Candidate Starts for Yeezus_59:

(Start: 2 @40442 has 12 MA's), (4, 40424), (7, 40316), (8, 40295), (12, 40130), (16, 40070),