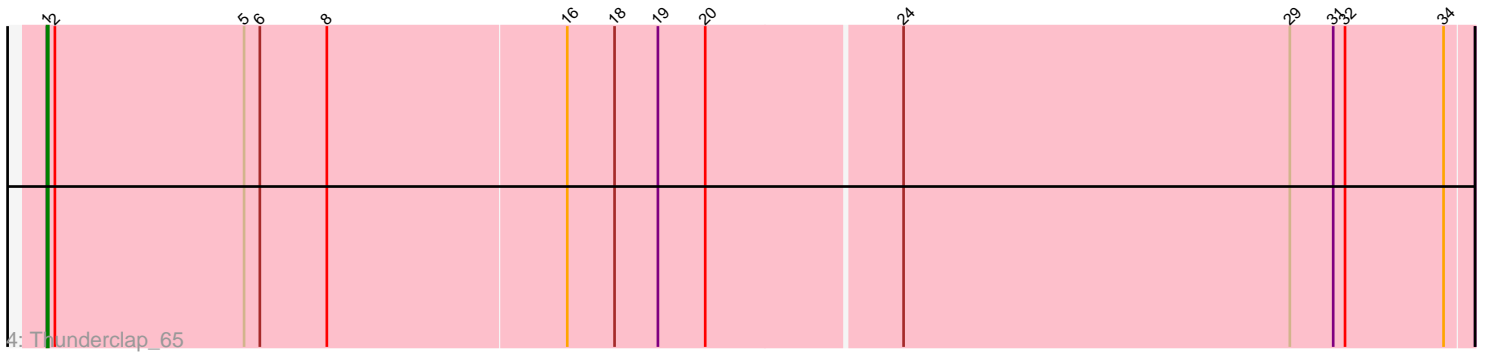
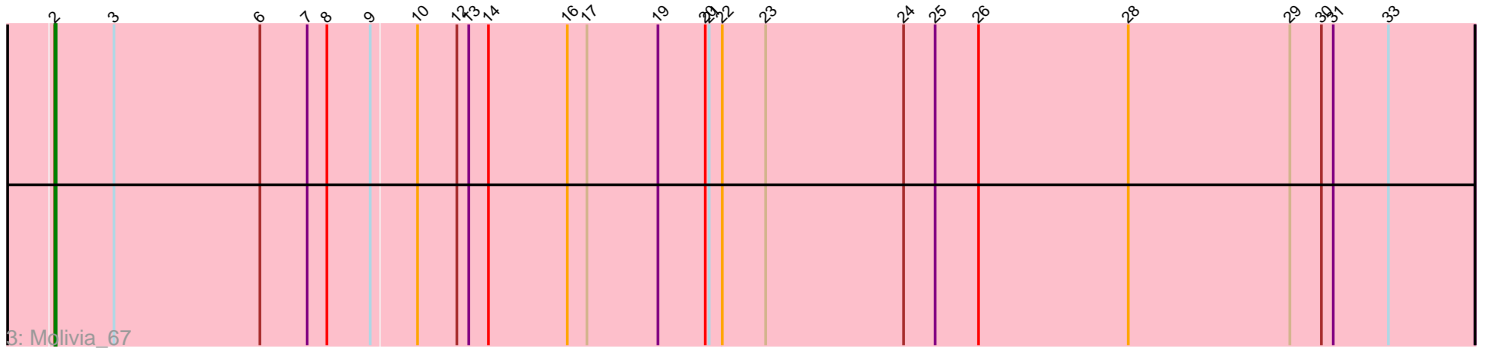
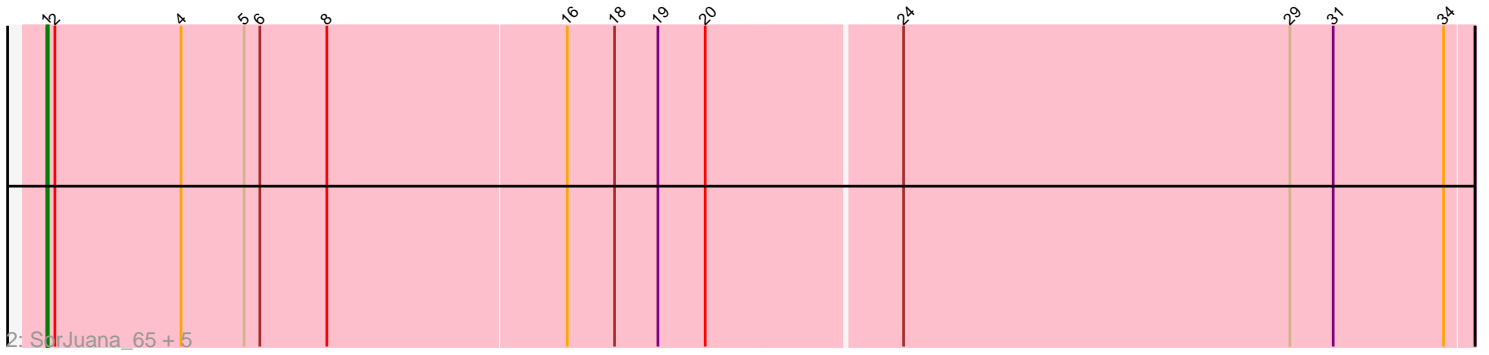
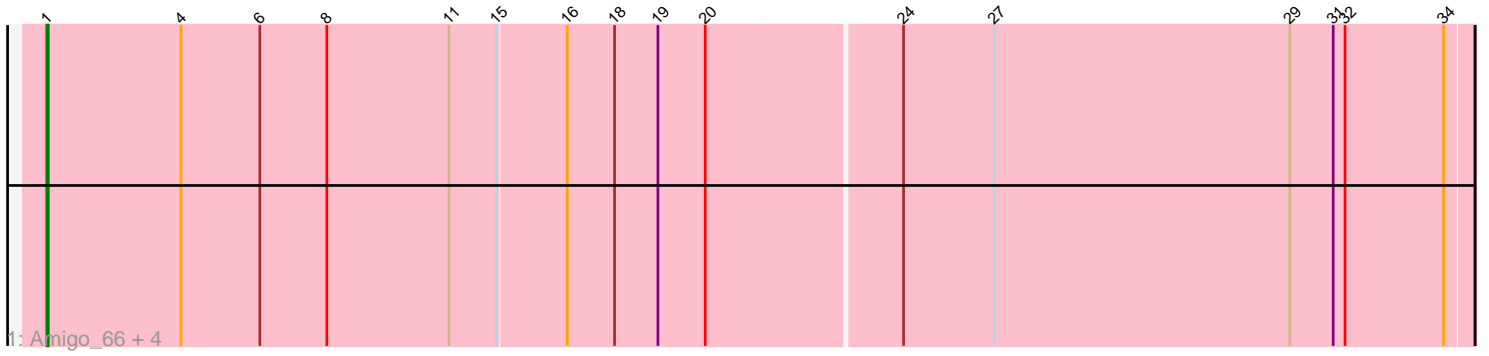


Pham 216713



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 216713 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216713 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Amigo_66, Jaek_65, Boersma_68, Yeezus_65, Ichor_65
- Track 2 : SorJuana_65, Anansi_65, Amavida_67, Heylee_68, Rings_66, Gorgeous_65
- Track 3 : Molivia_67
- Track 4 : Thunderclap_65

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida_67, Amigo_66, Anansi_65, Boersma_68, Gorgeous_65, Heylee_68, Ichor_65, Jaek_65, Rings_66, SorJuana_65, Thunderclap_65, Yeezus_65,

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

-

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

- Molivia_67,

Summary by start number:

Start 1:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 12 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_67 (AQ), Amigo_66 (AQ), Anansi_65 (AQ), Boersma_68 (AQ), Gorgeous_65 (AQ), Heylee_68 (AQ), Ichor_65 (AQ), Jaek_65 (AQ), Rings_66 (AQ), SorJuana_65 (AQ), Thunderclap_65 (AQ), Yeezus_65 (AQ),

Start 2:

- Found in 8 of 13 (61.5%) of genes in pham

- Manual Annotations of this start: 1 of 13
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Molivia_67 (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 12 times for cluster AQ.
- Start number 2 was manually annotated 1 time for cluster AQ.

Gene Information:

Gene: Amavida_67 Start: 44494, Stop: 43421, Start Num: 1

Candidate Starts for Amavida_67:

(Start: 1 @44494 has 12 MA's), (Start: 2 @44488 has 1 MA's), (4, 44392), (5, 44344), (6, 44332), (8, 44281), (16, 44101), (18, 44065), (19, 44032), (20, 43996), (24, 43852), (29, 43558), (31, 43525), (34, 43441),

Gene: Amigo_66 Start: 44709, Stop: 43636, Start Num: 1

Candidate Starts for Amigo_66:

(Start: 1 @44709 has 12 MA's), (4, 44607), (6, 44547), (8, 44496), (11, 44403), (15, 44367), (16, 44316), (18, 44280), (19, 44247), (20, 44211), (24, 44067), (27, 43998), (29, 43773), (31, 43740), (32, 43731), (34, 43656),

Gene: Anansi_65 Start: 44316, Stop: 43243, Start Num: 1

Candidate Starts for Anansi_65:

(Start: 1 @44316 has 12 MA's), (Start: 2 @44310 has 1 MA's), (4, 44214), (5, 44166), (6, 44154), (8, 44103), (16, 43923), (18, 43887), (19, 43854), (20, 43818), (24, 43674), (29, 43380), (31, 43347), (34, 43263),

Gene: Boersma_68 Start: 44709, Stop: 43636, Start Num: 1

Candidate Starts for Boersma_68:

(Start: 1 @44709 has 12 MA's), (4, 44607), (6, 44547), (8, 44496), (11, 44403), (15, 44367), (16, 44316), (18, 44280), (19, 44247), (20, 44211), (24, 44067), (27, 43998), (29, 43773), (31, 43740), (32, 43731), (34, 43656),

Gene: Gorgeous_65 Start: 44316, Stop: 43243, Start Num: 1

Candidate Starts for Gorgeous_65:

(Start: 1 @44316 has 12 MA's), (Start: 2 @44310 has 1 MA's), (4, 44214), (5, 44166), (6, 44154), (8, 44103), (16, 43923), (18, 43887), (19, 43854), (20, 43818), (24, 43674), (29, 43380), (31, 43347), (34, 43263),

Gene: Heylee_68 Start: 44494, Stop: 43421, Start Num: 1

Candidate Starts for Heylee_68:

(Start: 1 @44494 has 12 MA's), (Start: 2 @44488 has 1 MA's), (4, 44392), (5, 44344), (6, 44332), (8, 44281), (16, 44101), (18, 44065), (19, 44032), (20, 43996), (24, 43852), (29, 43558), (31, 43525), (34, 43441),

Gene: Ichor_65 Start: 44709, Stop: 43636, Start Num: 1

Candidate Starts for Ichor_65:

(Start: 1 @44709 has 12 MA's), (4, 44607), (6, 44547), (8, 44496), (11, 44403), (15, 44367), (16, 44316), (18, 44280), (19, 44247), (20, 44211), (24, 44067), (27, 43998), (29, 43773), (31, 43740), (32, 43731), (34, 43656),

Gene: Jaek_65 Start: 44709, Stop: 43636, Start Num: 1

Candidate Starts for Jaek_65:

(Start: 1 @44709 has 12 MA's), (4, 44607), (6, 44547), (8, 44496), (11, 44403), (15, 44367), (16, 44316), (18, 44280), (19, 44247), (20, 44211), (24, 44067), (27, 43998), (29, 43773), (31, 43740), (32, 43731), (34, 43656),

Gene: Molivia_67 Start: 43076, Stop: 42000, Start Num: 2

Candidate Starts for Molivia_67:

(Start: 2 @43076 has 1 MA's), (3, 43031), (6, 42920), (7, 42884), (8, 42869), (9, 42836), (10, 42803), (12, 42773), (13, 42764), (14, 42749), (16, 42689), (17, 42674), (19, 42620), (20, 42584), (21, 42581), (22, 42572), (23, 42539), (24, 42434), (25, 42410), (26, 42377), (28, 42263), (29, 42140), (30, 42116), (31, 42107), (33, 42065),

Gene: Rings_66 Start: 44757, Stop: 43684, Start Num: 1

Candidate Starts for Rings_66:

(Start: 1 @44757 has 12 MA's), (Start: 2 @44751 has 1 MA's), (4, 44655), (5, 44607), (6, 44595), (8, 44544), (16, 44364), (18, 44328), (19, 44295), (20, 44259), (24, 44115), (29, 43821), (31, 43788), (34, 43704),

Gene: SorJuana_65 Start: 44316, Stop: 43243, Start Num: 1

Candidate Starts for SorJuana_65:

(Start: 1 @44316 has 12 MA's), (Start: 2 @44310 has 1 MA's), (4, 44214), (5, 44166), (6, 44154), (8, 44103), (16, 43923), (18, 43887), (19, 43854), (20, 43818), (24, 43674), (29, 43380), (31, 43347), (34, 43263),

Gene: Thunderclap_65 Start: 44738, Stop: 43665, Start Num: 1

Candidate Starts for Thunderclap_65:

(Start: 1 @44738 has 12 MA's), (Start: 2 @44732 has 1 MA's), (5, 44588), (6, 44576), (8, 44525), (16, 44345), (18, 44309), (19, 44276), (20, 44240), (24, 44096), (29, 43802), (31, 43769), (32, 43760), (34, 43685),

Gene: Yeezus_65 Start: 44708, Stop: 43635, Start Num: 1

Candidate Starts for Yeezus_65:

(Start: 1 @44708 has 12 MA's), (4, 44606), (6, 44546), (8, 44495), (11, 44402), (15, 44366), (16, 44315), (18, 44279), (19, 44246), (20, 44210), (24, 44066), (27, 43997), (29, 43772), (31, 43739), (32, 43730), (34, 43655),