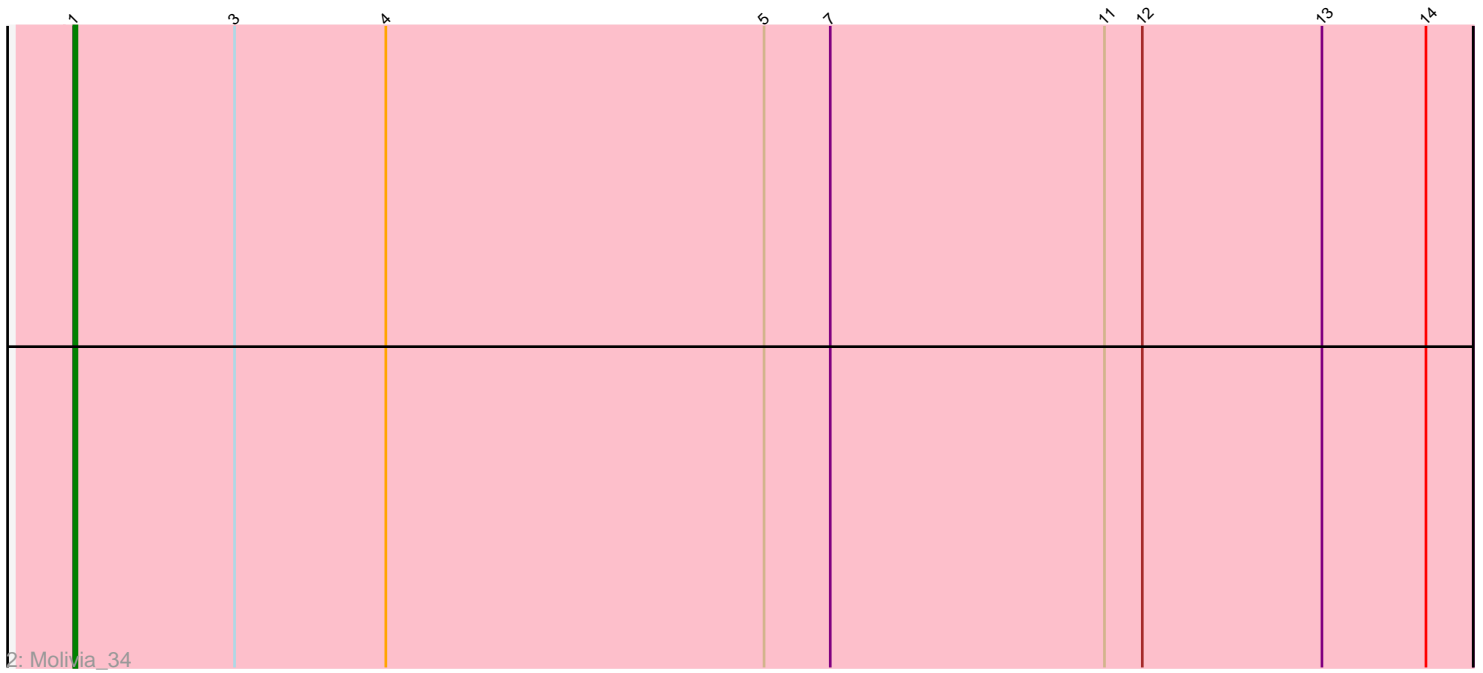
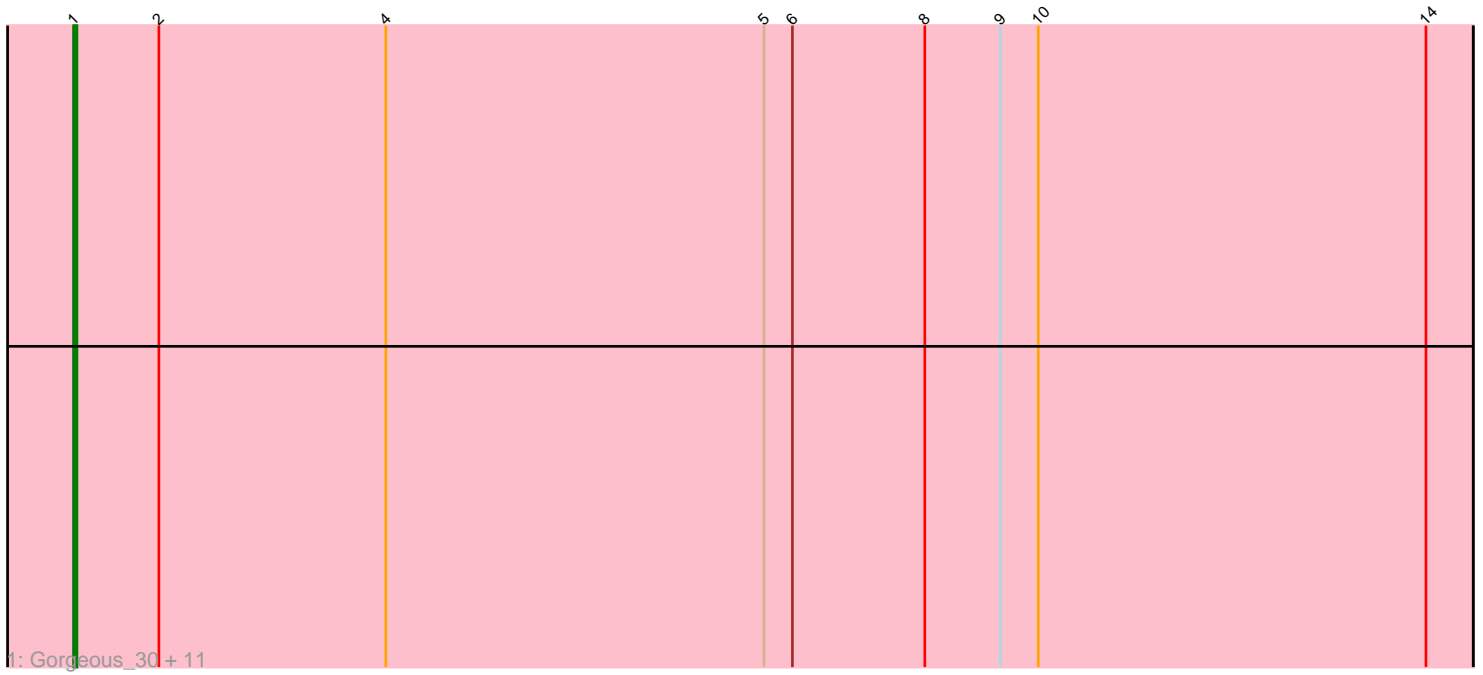


Pham 5235



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 5235 Report

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

Pham number 5235 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Gorgeous_30, Heylee_29, Amavida_29, Yeezus_29, Rings_29, Jaek_29, Anansi_30, Thunderclap_30, Ichor_29, Amigo_30, Boersma_31, SorJuana_30
- Track 2 : Molivia_34

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_29, Amigo_30, Anansi_30, Boersma_31, Gorgeous_30, Heylee_29, Ichor_29, Jaek_29, Molivia_34, Rings_29, SorJuana_30, Thunderclap_30, Yeezus_29,

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_29 (AQ), Amigo_30 (AQ), Anansi_30 (AQ), Boersma_31 (AQ), Gorgeous_30 (AQ), Heylee_29 (AQ), Ichor_29 (AQ), Jaek_29 (AQ), Molivia_34 (AQ), Rings_29 (AQ), SorJuana_30 (AQ), Thunderclap_30 (AQ), Yeezus_29 (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_29 Start: 16092, Stop: 16535, Start Num: 1

Candidate Starts for Amavida_29:

(Start: 1 @16092 has 11 MA's), (2, 16119), (4, 16191), (5, 16311), (6, 16320), (8, 16362), (9, 16386), (10, 16398), (14, 16521),

Gene: Amigo_30 Start: 15966, Stop: 16409, Start Num: 1

Candidate Starts for Amigo_30:

(Start: 1 @15966 has 11 MA's), (2, 15993), (4, 16065), (5, 16185), (6, 16194), (8, 16236), (9, 16260), (10, 16272), (14, 16395),

Gene: Anansi_30 Start: 15975, Stop: 16418, Start Num: 1

Candidate Starts for Anansi_30:

(Start: 1 @15975 has 11 MA's), (2, 16002), (4, 16074), (5, 16194), (6, 16203), (8, 16245), (9, 16269), (10, 16281), (14, 16404),

Gene: Boersma_31 Start: 15966, Stop: 16409, Start Num: 1

Candidate Starts for Boersma_31:

(Start: 1 @15966 has 11 MA's), (2, 15993), (4, 16065), (5, 16185), (6, 16194), (8, 16236), (9, 16260), (10, 16272), (14, 16395),

Gene: Gorgeous_30 Start: 15975, Stop: 16418, Start Num: 1

Candidate Starts for Gorgeous_30:

(Start: 1 @15975 has 11 MA's), (2, 16002), (4, 16074), (5, 16194), (6, 16203), (8, 16245), (9, 16269), (10, 16281), (14, 16404),

Gene: Heylee_29 Start: 16092, Stop: 16535, Start Num: 1

Candidate Starts for Heylee_29:

(Start: 1 @16092 has 11 MA's), (2, 16119), (4, 16191), (5, 16311), (6, 16320), (8, 16362), (9, 16386), (10, 16398), (14, 16521),

Gene: Ichor_29 Start: 15966, Stop: 16409, Start Num: 1

Candidate Starts for Ichor_29:

(Start: 1 @15966 has 11 MA's), (2, 15993), (4, 16065), (5, 16185), (6, 16194), (8, 16236), (9, 16260), (10, 16272), (14, 16395),

Gene: Jaek_29 Start: 15966, Stop: 16409, Start Num: 1

Candidate Starts for Jaek_29:

(Start: 1 @15966 has 11 MA's), (2, 15993), (4, 16065), (5, 16185), (6, 16194), (8, 16236), (9, 16260), (10, 16272), (14, 16395),

Gene: Molivia_34 Start: 16219, Stop: 16662, Start Num: 1

Candidate Starts for Molivia_34:

(Start: 1 @16219 has 11 MA's), (3, 16270), (4, 16318), (5, 16438), (7, 16459), (11, 16546), (12, 16558), (13, 16615), (14, 16648),

Gene: Rings_29 Start: 16097, Stop: 16540, Start Num: 1

Candidate Starts for Rings_29:

(Start: 1 @16097 has 11 MA's), (2, 16124), (4, 16196), (5, 16316), (6, 16325), (8, 16367), (9, 16391), (10, 16403), (14, 16526),

Gene: SorJuana_30 Start: 15975, Stop: 16418, Start Num: 1

Candidate Starts for SorJuana_30:

(Start: 1 @15975 has 11 MA's), (2, 16002), (4, 16074), (5, 16194), (6, 16203), (8, 16245), (9, 16269), (10, 16281), (14, 16404),

Gene: Thunderclap_30 Start: 15995, Stop: 16438, Start Num: 1

Candidate Starts for Thunderclap_30:

(Start: 1 @15995 has 11 MA's), (2, 16022), (4, 16094), (5, 16214), (6, 16223), (8, 16265), (9, 16289), (10, 16301), (14, 16424),

Gene: Yeezus_29 Start: 15965, Stop: 16408, Start Num: 1

Candidate Starts for Yeezus_29:

(Start: 1 @15965 has 11 MA's), (2, 15992), (4, 16064), (5, 16184), (6, 16193), (8, 16235), (9, 16259), (10, 16271), (14, 16394),