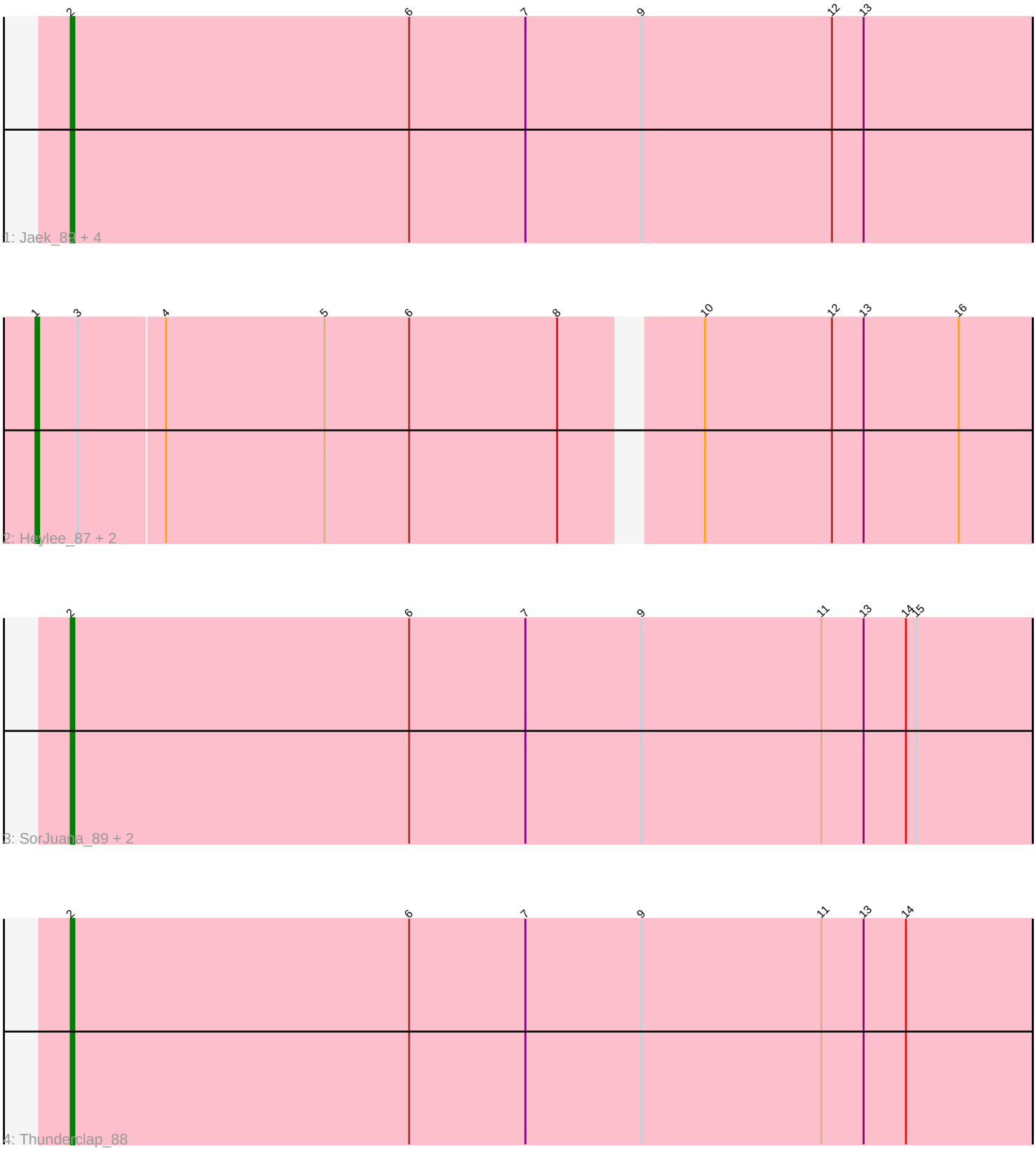
Pham 5449


2
6
7
9
12
13
1: Jaek_89 + 4
1
3
4
5
6
8
10
12
13
16
2: Haylee_87 + 2
2
6
7
9
11
13
14
15
3: SorJuana_89 + 2
2
6
7
9
11
13
14
4: Thunderclap_88

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 5449 Report

This analysis was run 04/12/24 on database version 558.

Pham number 5449 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Jaek_89, Yeezus_89, Ichor_89, Boersma_91, Amigo_89
• Track 2 : Heylee_87, Amavida_87, Rings_89
• Track 3 : SorJuana_89, Gorgeous_89, Anansi_89
• Track 4 : Thunderclap_88

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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amigo_89, Anansi_89, Boersma_91, Gorgeous_89, Ichor_89, Jaek_89, SorJuana_89, Thunderclap_88, Yeezus_89,

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

Genes that do not have the "Most Annotated" start:
• Amavida_87, Heylee_87, Rings_89,

Summary by start number:

Start 1:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_87 (AQ), Heylee_87 (AQ), Rings_89 (AQ),

Start 2:
• Found in 9 of 12 (75.0%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Amigo_89 (AQ), Anansi_89 (AQ), Boersma_91 (AQ), Gorgeous_89 (AQ), Ichor_89 (AQ), Jaek_89 (AQ), SorJuana_89 (AQ), Thunderclap_88 (AQ), Yeezus_89 (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 1 time for cluster AQ.
•Start number 2 was manually annotated 9 times for cluster AQ.

Gene Information:

Gene: Amavida_87 Start: 56903, Stop: 57175, Start Num: 1
Candidate Starts for Amavida_87:
(Start: 1 @56903 has 1 MA's), (3, 56915), (4, 56939), (5, 56984), (6, 57008), (8, 57050), (10, 57083), (12, 57119), (13, 57128), (16, 57155),

Gene: Amigo_89 Start: 57168, Stop: 57440, Start Num: 2
Candidate Starts for Amigo_89:
(Start: 2 @57168 has 9 MA's), (6, 57264), (7, 57297), (9, 57330), (12, 57384), (13, 57393),

Gene: Anansi_89 Start: 56837, Stop: 57109, Start Num: 2
Candidate Starts for Anansi_89:
(Start: 2 @56837 has 9 MA's), (6, 56933), (7, 56966), (9, 56999), (11, 57050), (13, 57062), (14, 57074), (15, 57077),

Gene: Boersma_91 Start: 57183, Stop: 57455, Start Num: 2
Candidate Starts for Boersma_91:
(Start: 2 @57183 has 9 MA's), (6, 57279), (7, 57312), (9, 57345), (12, 57399), (13, 57408),

Gene: Gorgeous_89 Start: 56968, Stop: 57240, Start Num: 2
Candidate Starts for Gorgeous_89:
(Start: 2 @56968 has 9 MA's), (6, 57064), (7, 57097), (9, 57130), (11, 57181), (13, 57193), (14, 57205), (15, 57208),

Gene: Heylee_87 Start: 56903, Stop: 57175, Start Num: 1
Candidate Starts for Heylee_87:
(Start: 1 @56903 has 1 MA's), (3, 56915), (4, 56939), (5, 56984), (6, 57008), (8, 57050), (10, 57083), (12, 57119), (13, 57128), (16, 57155),

Gene: Ichor_89 Start: 57168, Stop: 57440, Start Num: 2
Candidate Starts for Ichor_89:
(Start: 2 @57168 has 9 MA's), (6, 57264), (7, 57297), (9, 57330), (12, 57384), (13, 57393),

Gene: Jaek_89 Start: 57168, Stop: 57440, Start Num: 2
Candidate Starts for Jaek_89:
(Start: 2 @57168 has 9 MA's), (6, 57264), (7, 57297), (9, 57330), (12, 57384), (13, 57393),

Gene: Rings_89 Start: 57158, Stop: 57430, Start Num: 1

Candidate Starts for Rings_89:
(Start: 1 @57158 has 1 MA's), (3, 57170), (4, 57194), (5, 57239), (6, 57263), (8, 57305), (10, 57338), (12, 57374), (13, 57383), (16, 57410),

Gene: SorJuana_89 Start: 56968, Stop: 57240, Start Num: 2
Candidate Starts for SorJuana_89:
(Start: 2 @56968 has 9 MA's), (6, 57064), (7, 57097), (9, 57130), (11, 57181), (13, 57193), (14, 57205), (15, 57208),

Gene: Thunderclap_88 Start: 57146, Stop: 57418, Start Num: 2
Candidate Starts for Thunderclap_88:
(Start: 2 @57146 has 9 MA's), (6, 57242), (7, 57275), (9, 57308), (11, 57359), (13, 57371), (14, 57383),

Gene: Yeezus_89 Start: 57167, Stop: 57439, Start Num: 2
Candidate Starts for Yeezus_89:
(Start: 2 @57167 has 9 MA's), (6, 57263), (7, 57296), (9, 57329), (12, 57383), (13, 57392),