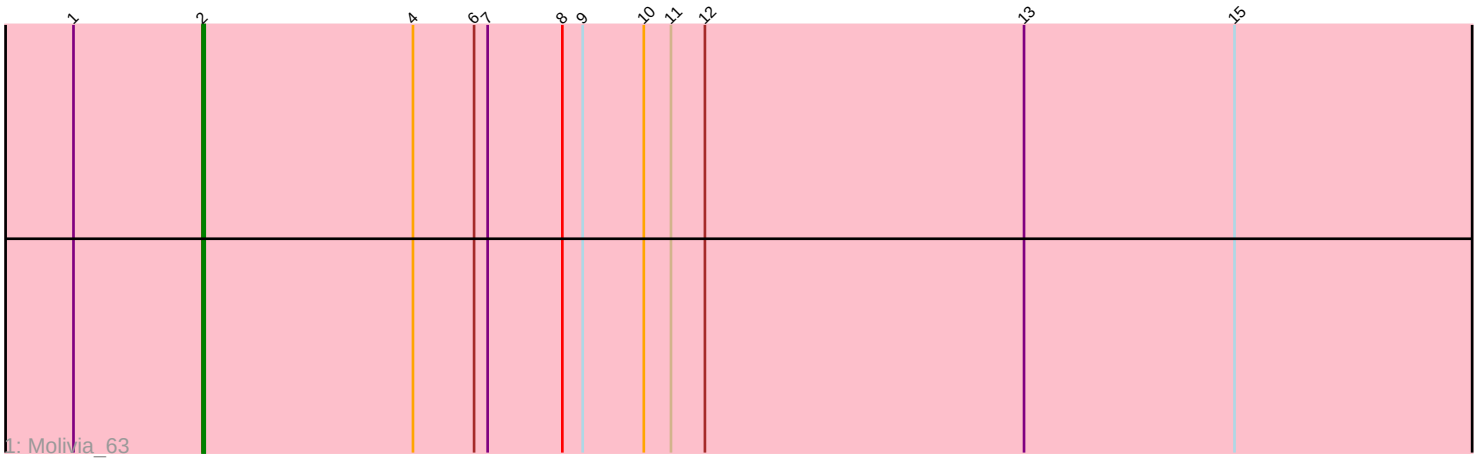
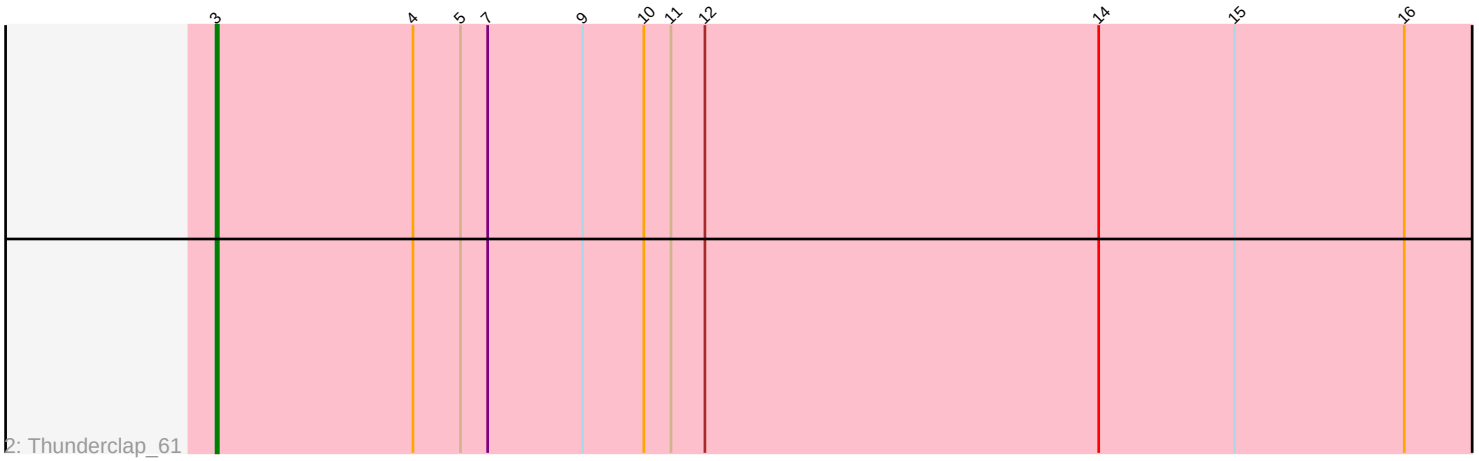
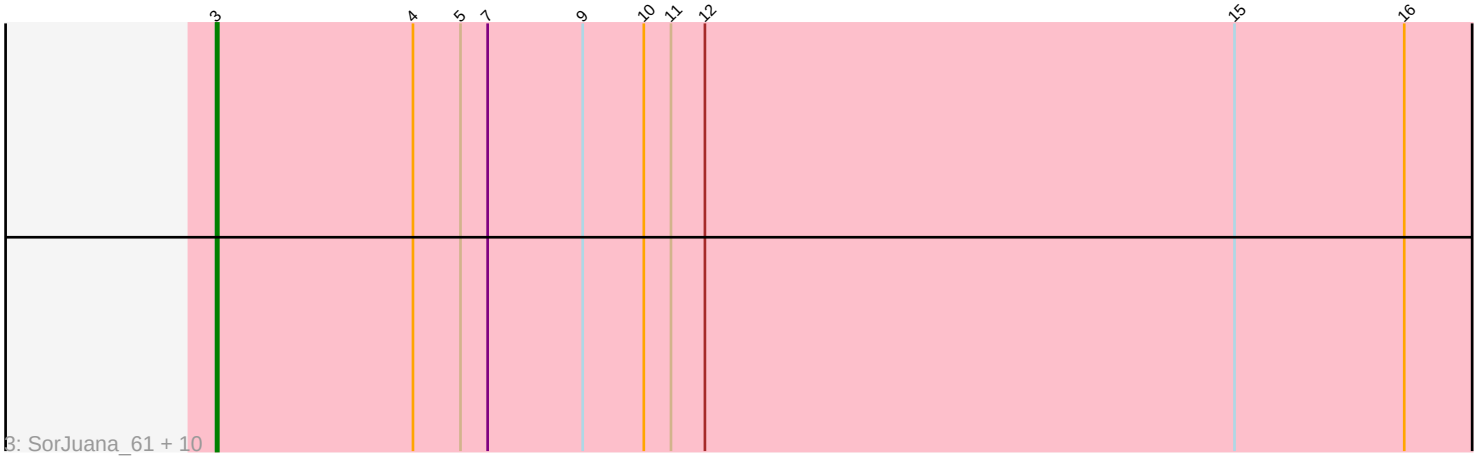
Pham 160868


1
2
4
6
7
8
9
10
11
12
13
15
1: Molivia_63


3
4
5
7
9
10
11
12
14
15
16
2: Thunderclap_61


3
4
5
7
9
10
11
12
15
16
3: SorJuana_61 + 10

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 160868 Report

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

Pham number 160868 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Molivia_63
• Track 2 : Thunderclap_61
• Track 3 : SorJuana_61, Anansi_61, Jaek_61, Yeezus_61, Amigo_62, Ichor_61, Gorgeous_61, Amavida_59, Heylee_59, Rings_62, Boersma_64

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_59, Amigo_62, Anansi_61, Boersma_64, Gorgeous_61, Heylee_59, Ichor_61, Jaek_61, Rings_62, SorJuana_61, Thunderclap_61, Yeezus_61,

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

Genes that do not have the "Most Annotated" start:
• Molivia_63,

Summary by start number:

Start 2:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Molivia_63 (AQ),

Start 3:
• Found in 12 of 13 (92.3%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_59 (AQ), Amigo_62 (AQ), Anansi_61 (AQ), Boersma_64 (AQ), Gorgeous_61 (AQ), Heylee_59 (AQ), Ichor_61

(AQ), Jaek_61 (AQ), Rings_62 (AQ), SorJuana_61 (AQ), Thunderclap_61 (AQ), Yeezus_61 (AQ),

Summary by clusters:

There is one cluster represented in this pham: AQ

Info for manual annotations of cluster AQ:
•Start number 2 was manually annotated 1 time for cluster AQ.
•Start number 3 was manually annotated 10 times for cluster AQ.

Gene Information:

Gene: Amavida_59 Start: 41647, Stop: 41006, Start Num: 3
Candidate Starts for Amavida_59:
(Start: 3 @41647 has 10 MA's), (4, 41560), (5, 41539), (7, 41527), (9, 41485), (10, 41458), (11, 41446), (12, 41431), (15, 41197), (16, 41122),

Gene: Amigo_62 Start: 41862, Stop: 41221, Start Num: 3
Candidate Starts for Amigo_62:
(Start: 3 @41862 has 10 MA's), (4, 41775), (5, 41754), (7, 41742), (9, 41700), (10, 41673), (11, 41661), (12, 41646), (15, 41412), (16, 41337),

Gene: Anansi_61 Start: 41469, Stop: 40828, Start Num: 3
Candidate Starts for Anansi_61:
(Start: 3 @41469 has 10 MA's), (4, 41382), (5, 41361), (7, 41349), (9, 41307), (10, 41280), (11, 41268), (12, 41253), (15, 41019), (16, 40944),

Gene: Boersma_64 Start: 41862, Stop: 41221, Start Num: 3
Candidate Starts for Boersma_64:
(Start: 3 @41862 has 10 MA's), (4, 41775), (5, 41754), (7, 41742), (9, 41700), (10, 41673), (11, 41661), (12, 41646), (15, 41412), (16, 41337),

Gene: Gorgeous_61 Start: 41469, Stop: 40828, Start Num: 3
Candidate Starts for Gorgeous_61:
(Start: 3 @41469 has 10 MA's), (4, 41382), (5, 41361), (7, 41349), (9, 41307), (10, 41280), (11, 41268), (12, 41253), (15, 41019), (16, 40944),

Gene: Heylee_59 Start: 41647, Stop: 41006, Start Num: 3
Candidate Starts for Heylee_59:
(Start: 3 @41647 has 10 MA's), (4, 41560), (5, 41539), (7, 41527), (9, 41485), (10, 41458), (11, 41446), (12, 41431), (15, 41197), (16, 41122),

Gene: Ichor_61 Start: 41862, Stop: 41221, Start Num: 3
Candidate Starts for Ichor_61:
(Start: 3 @41862 has 10 MA's), (4, 41775), (5, 41754), (7, 41742), (9, 41700), (10, 41673), (11, 41661), (12, 41646), (15, 41412), (16, 41337),

Gene: Jaek_61 Start: 41862, Stop: 41221, Start Num: 3
Candidate Starts for Jaek_61:

(Start: 3 @41862 has 10 MA's), (4, 41775), (5, 41754), (7, 41742), (9, 41700), (10, 41673), (11, 41661), (12, 41646), (15, 41412), (16, 41337),

Gene: Molivia_63 Start: 40276, Stop: 39626, Start Num: 2
Candidate Starts for Molivia_63:
(1, 40333), (Start: 2 @40276 has 1 MA's), (4, 40183), (6, 40156), (7, 40150), (8, 40117), (9, 40108), (10, 40081), (11, 40069), (12, 40054), (13, 39913), (15, 39820),

Gene: Rings_62 Start: 41910, Stop: 41269, Start Num: 3
Candidate Starts for Rings_62:
(Start: 3 @41910 has 10 MA's), (4, 41823), (5, 41802), (7, 41790), (9, 41748), (10, 41721), (11, 41709), (12, 41694), (15, 41460), (16, 41385),

Gene: SorJuana_61 Start: 41469, Stop: 40828, Start Num: 3
Candidate Starts for SorJuana_61:
(Start: 3 @41469 has 10 MA's), (4, 41382), (5, 41361), (7, 41349), (9, 41307), (10, 41280), (11, 41268), (12, 41253), (15, 41019), (16, 40944),

Gene: Thunderclap_61 Start: 41891, Stop: 41250, Start Num: 3
Candidate Starts for Thunderclap_61:
(Start: 3 @41891 has 10 MA's), (4, 41804), (5, 41783), (7, 41771), (9, 41729), (10, 41702), (11, 41690), (12, 41675), (14, 41501), (15, 41441), (16, 41366),

Gene: Yeezus_61 Start: 41861, Stop: 41220, Start Num: 3
Candidate Starts for Yeezus_61:
(Start: 3 @41861 has 10 MA's), (4, 41774), (5, 41753), (7, 41741), (9, 41699), (10, 41672), (11, 41660), (12, 41645), (15, 41411), (16, 41336),