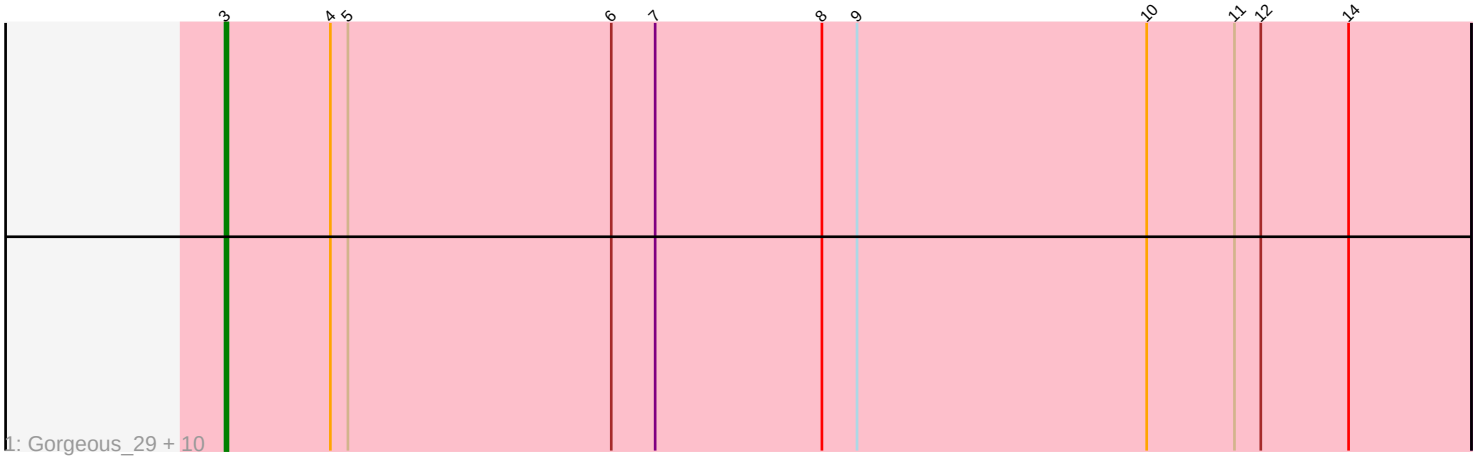
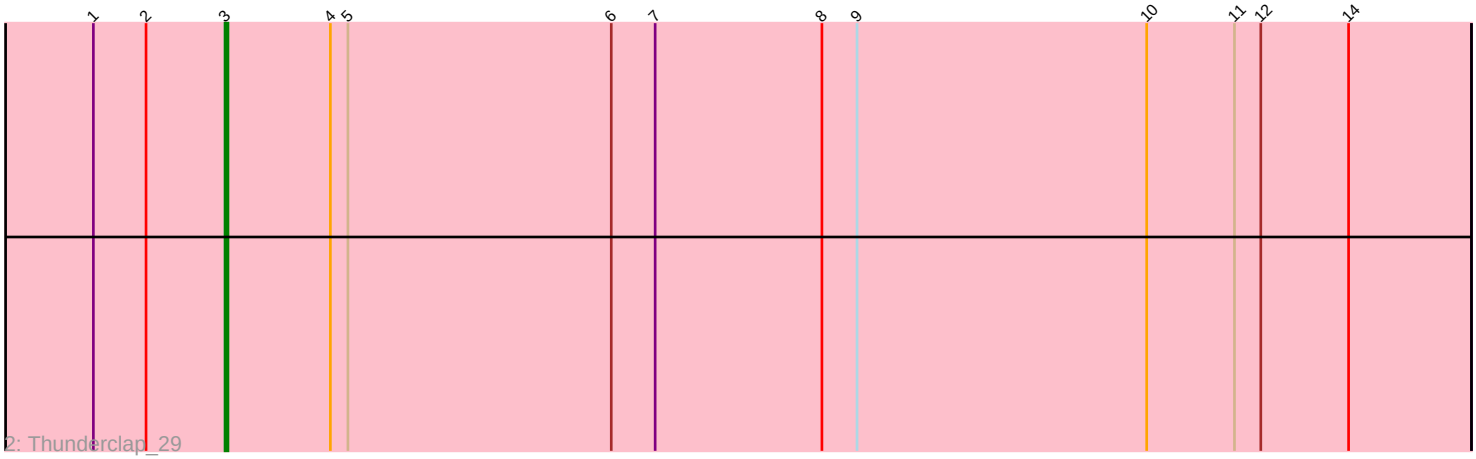
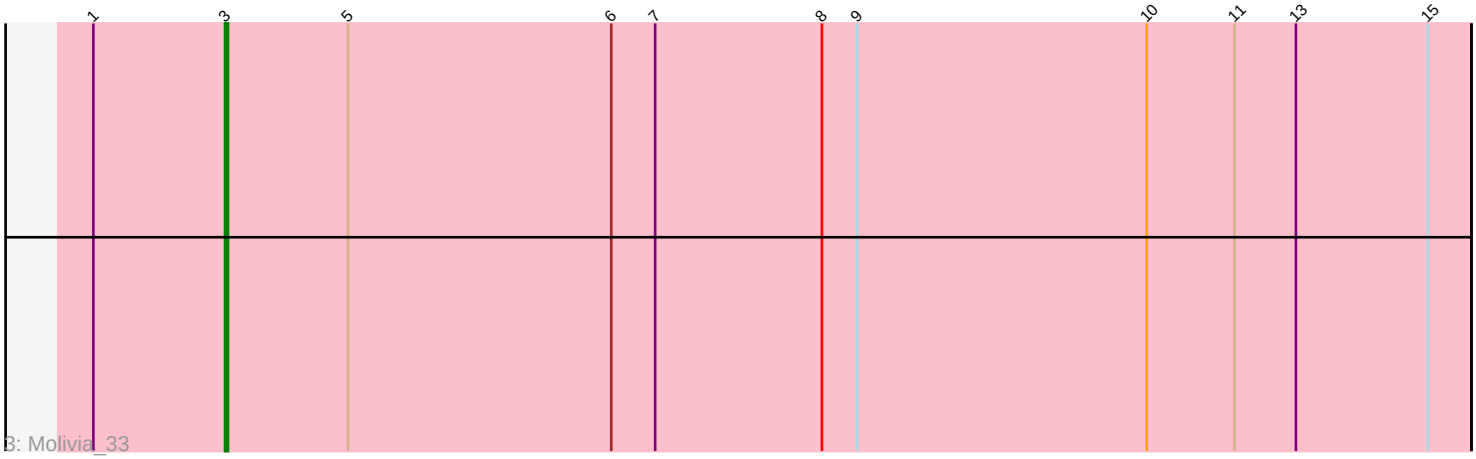
Pham 5200


3
4
5
6
7
8
9
10
11
12
14
1: Gorgeous_29 + 10


1
2
3
4
5
6
7
8
9
10
11
12
14
2: Thunderclap_29


1
3
5
6
7
8
9
10
11
13
15
3: Molivia_33

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 5200 Report

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

Pham number 5200 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Gorgeous_29, Jaek_28, Heylee_28, Yeezus_28, Amavida_28, Rings_28, Anansi_29, Ichor_28, Amigo_29, Boersma_30, SorJuana_29
• Track 2 : Thunderclap_29
• Track 3 : Molivia_33

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_28, Amigo_29, Anansi_29, Boersma_30, Gorgeous_29, Heylee_28, Ichor_28, Jaek_28, Molivia_33, Rings_28, SorJuana_29, Thunderclap_29, Yeezus_28,

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 3:
• 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_28 (AQ), Amigo_29 (AQ), Anansi_29 (AQ), Boersma_30 (AQ), Gorgeous_29 (AQ), Heylee_28 (AQ), Ichor_28 (AQ), Jaek_28 (AQ), Molivia_33 (AQ), Rings_28 (AQ), SorJuana_29 (AQ), Thunderclap_29 (AQ), Yeezus_28 (AQ),

Summary by clusters:

There is one cluster represented in this pham: AQ

Info for manual annotations of cluster AQ:
•Start number 3 was manually annotated 11 times for cluster AQ.

Gene Information:

Gene: Amavida_28 Start: 15667, Stop: 16092, Start Num: 3
Candidate Starts for Amavida_28:
(Start: 3 @15667 has 11 MA's), (4, 15703), (5, 15709), (6, 15799), (7, 15814), (8, 15871), (9, 15883), (10, 15982), (11, 16012), (12, 16021), (14, 16051),

Gene: Amigo_29 Start: 15541, Stop: 15966, Start Num: 3
Candidate Starts for Amigo_29:
(Start: 3 @15541 has 11 MA's), (4, 15577), (5, 15583), (6, 15673), (7, 15688), (8, 15745), (9, 15757), (10, 15856), (11, 15886), (12, 15895), (14, 15925),

Gene: Anansi_29 Start: 15550, Stop: 15975, Start Num: 3
Candidate Starts for Anansi_29:
(Start: 3 @15550 has 11 MA's), (4, 15586), (5, 15592), (6, 15682), (7, 15697), (8, 15754), (9, 15766), (10, 15865), (11, 15895), (12, 15904), (14, 15934),

Gene: Boersma_30 Start: 15541, Stop: 15966, Start Num: 3
Candidate Starts for Boersma_30:
(Start: 3 @15541 has 11 MA's), (4, 15577), (5, 15583), (6, 15673), (7, 15688), (8, 15745), (9, 15757), (10, 15856), (11, 15886), (12, 15895), (14, 15925),

Gene: Gorgeous_29 Start: 15550, Stop: 15975, Start Num: 3
Candidate Starts for Gorgeous_29:
(Start: 3 @15550 has 11 MA's), (4, 15586), (5, 15592), (6, 15682), (7, 15697), (8, 15754), (9, 15766), (10, 15865), (11, 15895), (12, 15904), (14, 15934),

Gene: Heylee_28 Start: 15667, Stop: 16092, Start Num: 3
Candidate Starts for Heylee_28:
(Start: 3 @15667 has 11 MA's), (4, 15703), (5, 15709), (6, 15799), (7, 15814), (8, 15871), (9, 15883), (10, 15982), (11, 16012), (12, 16021), (14, 16051),

Gene: Ichor_28 Start: 15541, Stop: 15966, Start Num: 3
Candidate Starts for Ichor_28:
(Start: 3 @15541 has 11 MA's), (4, 15577), (5, 15583), (6, 15673), (7, 15688), (8, 15745), (9, 15757), (10, 15856), (11, 15886), (12, 15895), (14, 15925),

Gene: Jaek_28 Start: 15541, Stop: 15966, Start Num: 3
Candidate Starts for Jaek_28:
(Start: 3 @15541 has 11 MA's), (4, 15577), (5, 15583), (6, 15673), (7, 15688), (8, 15745), (9, 15757), (10, 15856), (11, 15886), (12, 15895), (14, 15925),

Gene: Molivia_33 Start: 15797, Stop: 16222, Start Num: 3
Candidate Starts for Molivia_33:
(1, 15752), (Start: 3 @15797 has 11 MA's), (5, 15839), (6, 15929), (7, 15944), (8, 16001), (9, 16013), (10, 16112), (11, 16142), (13, 16163), (15, 16208),

Gene: Rings_28 Start: 15672, Stop: 16097, Start Num: 3
Candidate Starts for Rings_28:
(Start: 3 @15672 has 11 MA's), (4, 15708), (5, 15714), (6, 15804), (7, 15819), (8, 15876), (9, 15888), (10, 15987), (11, 16017), (12, 16026), (14, 16056),

Gene: SorJuana_29 Start: 15550, Stop: 15975, Start Num: 3
Candidate Starts for SorJuana_29:
(Start: 3 @15550 has 11 MA's), (4, 15586), (5, 15592), (6, 15682), (7, 15697), (8, 15754), (9, 15766), (10, 15865), (11, 15895), (12, 15904), (14, 15934),

Gene: Thunderclap_29 Start: 15570, Stop: 15995, Start Num: 3
Candidate Starts for Thunderclap_29:
(1, 15525), (2, 15543), (Start: 3 @15570 has 11 MA's), (4, 15606), (5, 15612), (6, 15702), (7, 15717), (8, 15774), (9, 15786), (10, 15885), (11, 15915), (12, 15924), (14, 15954),

Gene: Yeezus_28 Start: 15540, Stop: 15965, Start Num: 3
Candidate Starts for Yeezus_28:
(Start: 3 @15540 has 11 MA's), (4, 15576), (5, 15582), (6, 15672), (7, 15687), (8, 15744), (9, 15756), (10, 15855), (11, 15885), (12, 15894), (14, 15924),