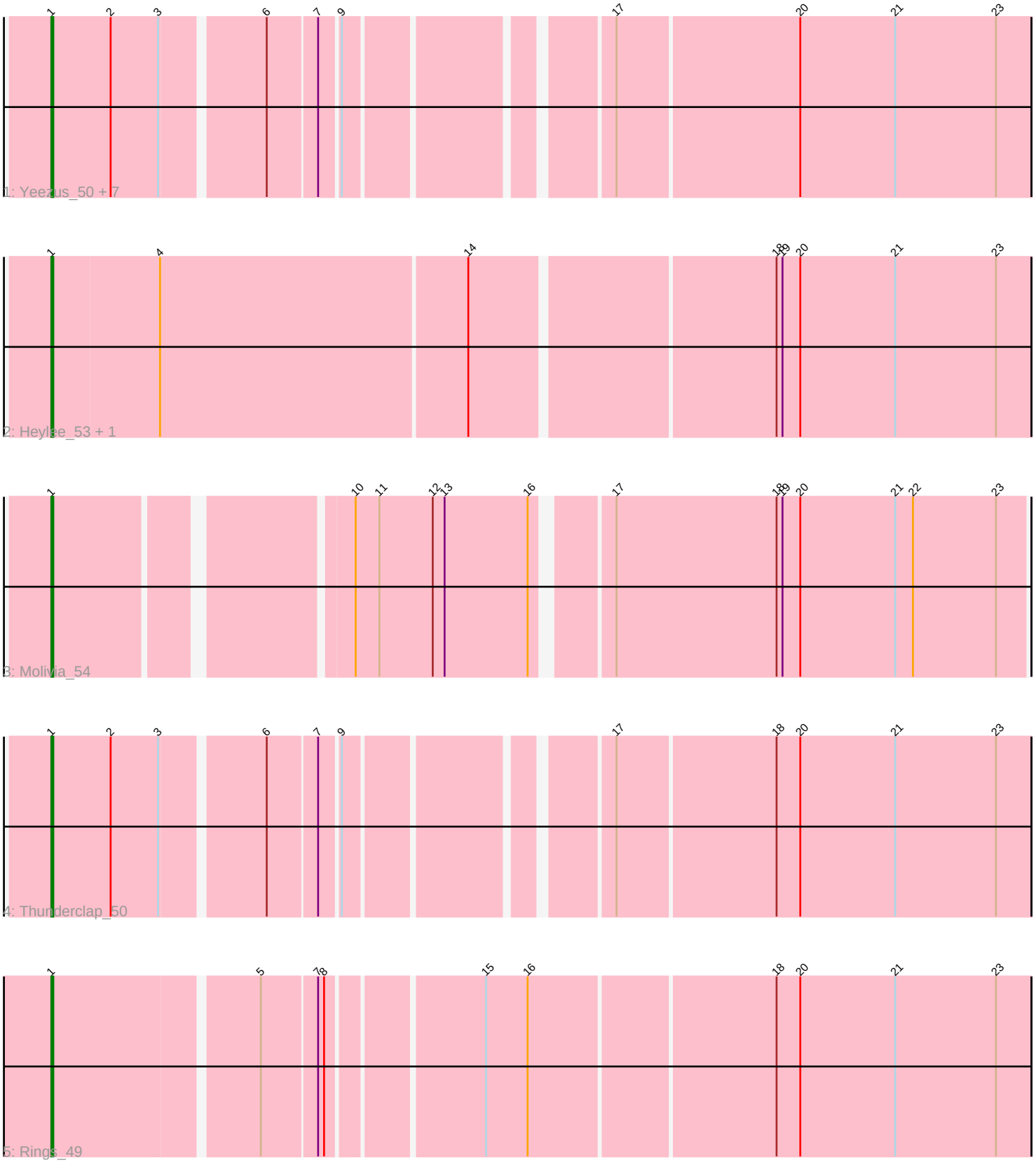
Pham 216709


1
2
3
6
7
9
17
20
21
23
1: Yeezus_50 + 7
1
4
14
18
19
20
21
23
2: Heylee_53 + 1
1
10
11
12
13
16
17
18
19
20
21
22
23
3: Molivia_54
1
2
3
6
7
9
17
18
20
21
23
4: Thunderclap_50
1
5
7
8
15
16
18
20
21
23
5: Rings_49

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 216709 Report

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

Pham number 216709 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Yeezus_50, Anansi_50, Gorgeous_50, Boersma_52, Ichor_50, Jaek_50, SorJuana_50, Amigo_50
• Track 2 : Heylee_53, Amavida_53
• Track 3 : Molivia_54
• Track 4 : Thunderclap_50
• Track 5 : Rings_49

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

Genes that call this "Most Annotated" start:
• Amavida_53, Amigo_50, Anansi_50, Boersma_52, Gorgeous_50, Heylee_53, Ichor_50, Jaek_50, Molivia_54, Rings_49, SorJuana_50, Thunderclap_50, Yeezus_50,

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: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_53 (AQ), Amigo_50 (AQ), Anansi_50 (AQ), Boersma_52 (AQ), Gorgeous_50 (AQ), Heylee_53 (AQ), Ichor_50 (AQ), Jaek_50 (AQ), Molivia_54 (AQ), Rings_49 (AQ), SorJuana_50 (AQ), Thunderclap_50 (AQ), Yeezus_50 (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 13 times for cluster AQ.

Gene Information:

Gene: Amavida_53 Start: 33620, Stop: 33138, Start Num: 1
Candidate Starts for Amavida_53:
(Start: 1 @33620 has 13 MA's), (4, 33566), (14, 33413), (18, 33266), (19, 33263), (20, 33254), (21, 33206), (23, 33155),

Gene: Amigo_50 Start: 33507, Stop: 33049, Start Num: 1
Candidate Starts for Amigo_50:
(Start: 1 @33507 has 13 MA's), (2, 33477), (3, 33453), (6, 33405), (7, 33381), (9, 33372), (17, 33255), (20, 33165), (21, 33117), (23, 33066),

Gene: Anansi_50 Start: 33442, Stop: 32984, Start Num: 1
Candidate Starts for Anansi_50:
(Start: 1 @33442 has 13 MA's), (2, 33412), (3, 33388), (6, 33340), (7, 33316), (9, 33307), (17, 33190), (20, 33100), (21, 33052), (23, 33001),

Gene: Boersma_52 Start: 33507, Stop: 33049, Start Num: 1
Candidate Starts for Boersma_52:
(Start: 1 @33507 has 13 MA's), (2, 33477), (3, 33453), (6, 33405), (7, 33381), (9, 33372), (17, 33255), (20, 33165), (21, 33117), (23, 33066),

Gene: Gorgeous_50 Start: 33442, Stop: 32984, Start Num: 1
Candidate Starts for Gorgeous_50:
(Start: 1 @33442 has 13 MA's), (2, 33412), (3, 33388), (6, 33340), (7, 33316), (9, 33307), (17, 33190), (20, 33100), (21, 33052), (23, 33001),

Gene: Heylee_53 Start: 33620, Stop: 33138, Start Num: 1
Candidate Starts for Heylee_53:
(Start: 1 @33620 has 13 MA's), (4, 33566), (14, 33413), (18, 33266), (19, 33263), (20, 33254), (21, 33206), (23, 33155),

Gene: Ichor_50 Start: 33507, Stop: 33049, Start Num: 1
Candidate Starts for Ichor_50:
(Start: 1 @33507 has 13 MA's), (2, 33477), (3, 33453), (6, 33405), (7, 33381), (9, 33372), (17, 33255), (20, 33165), (21, 33117), (23, 33066),

Gene: Jaek_50 Start: 33507, Stop: 33049, Start Num: 1
Candidate Starts for Jaek_50:
(Start: 1 @33507 has 13 MA's), (2, 33477), (3, 33453), (6, 33405), (7, 33381), (9, 33372), (17, 33255), (20, 33165), (21, 33117), (23, 33066),

Gene: Molivia_54 Start: 32524, Stop: 32063, Start Num: 1
Candidate Starts for Molivia_54:

(Start: 1 @32524 has 13 MA's), (10, 32389), (11, 32377), (12, 32350), (13, 32344), (16, 32302), (17, 32269), (18, 32188), (19, 32185), (20, 32176), (21, 32128), (22, 32119), (23, 32077),

Gene: Rings_49 Start: 33579, Stop: 33109, Start Num: 1
Candidate Starts for Rings_49:
(Start: 1 @33579 has 13 MA's), (5, 33480), (7, 33453), (8, 33450), (15, 33378), (16, 33357), (18, 33237), (20, 33225), (21, 33177), (23, 33126),

Gene: SorJuana_50 Start: 33442, Stop: 32984, Start Num: 1
Candidate Starts for SorJuana_50:
(Start: 1 @33442 has 13 MA's), (2, 33412), (3, 33388), (6, 33340), (7, 33316), (9, 33307), (17, 33190), (20, 33100), (21, 33052), (23, 33001),

Gene: Thunderclap_50 Start: 33536, Stop: 33078, Start Num: 1
Candidate Starts for Thunderclap_50:
(Start: 1 @33536 has 13 MA's), (2, 33506), (3, 33482), (6, 33434), (7, 33410), (9, 33401), (17, 33284), (18, 33206), (20, 33194), (21, 33146), (23, 33095),

Gene: Yeezus_50 Start: 33506, Stop: 33048, Start Num: 1
Candidate Starts for Yeezus_50:
(Start: 1 @33506 has 13 MA's), (2, 33476), (3, 33452), (6, 33404), (7, 33380), (9, 33371), (17, 33254), (20, 33164), (21, 33116), (23, 33065),