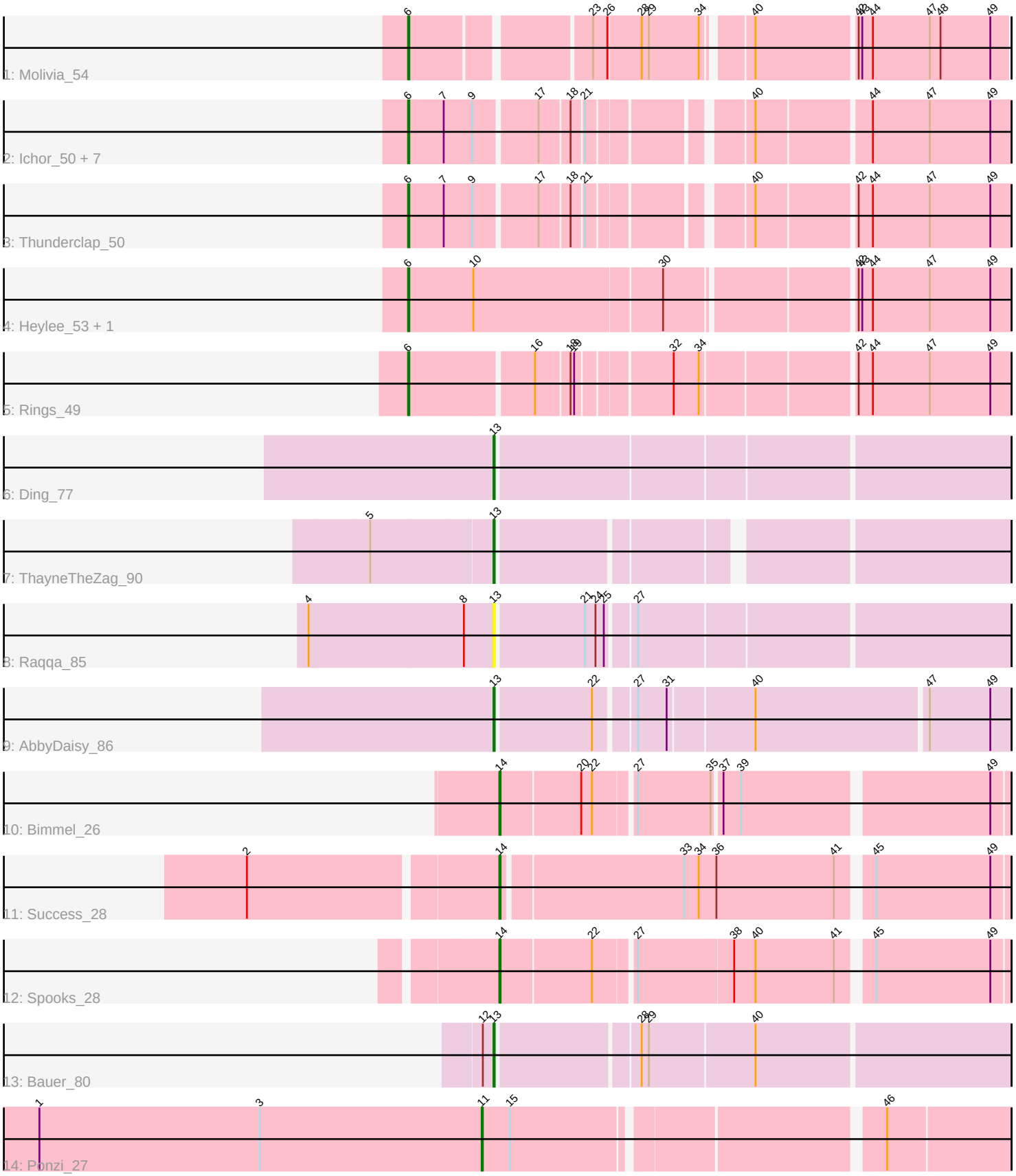
Pham 348015


1: Molivia_54
2: Ichor_50 + 7
3: Thunderclap_50
4: Heylee_53 + 1
5: Rings_49
6: Ding_77
7: ThayneTheZag_90
8: Raqqa_85
9: AbbyDaisy_86
10: Bimmel_26
11: Success_28
12: Spooks_28
13: Bauer_80
14: Ponzi_27

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 348015 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348015 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Molivia_54
• Track 2 : Ichor_50, Anansi_50, Amigo_50, SorJuana_50, Yeezus_50, Jaek_50, Boersma_52, Gorgeous_50
• Track 3 : Thunderclap_50
• Track 4 : Heylee_53, Amavida_53
• Track 5 : Rings_49
• Track 6 : Ding_77
• Track 7 : ThayneTheZag_90
• Track 8 : Raqqa_85
• Track 9 : AbbyDaisy_86
• Track 10 : Bimmel_26
• Track 11 : Success_28
• Track 12 : Spooks_28
• Track 13 : Bauer_80
• Track 14 : Ponzi_27

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

The start number called the most often in the published annotations is 6, it was called in 13 of the 21 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:
• AbbyDaisy_86, Bauer_80, Bimmel_26, Ding_77, Ponzi_27, Raqqa_85, Spooks_28, Success_28, ThayneTheZag_90,

Summary by start number:

Start 6:
• Found in 13 of 22 (59.1%) of genes in pham
• Manual Annotations of this start: 13 of 21
• 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),

Start 11:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ponzi_27 (singleton),

Start 13:
• Found in 5 of 22 (22.7%) of genes in pham
• Manual Annotations of this start: 4 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_86 (AY), Bauer_80 (FN), Ding_77 (AY), Raqqa_85 (AY), ThayneTheZag_90 (AY),

Start 14:
• Found in 3 of 22 (13.6%) of genes in pham
• Manual Annotations of this start: 3 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bimmel_26 (BT), Spooks_28 (BT), Success_28 (BT),

Summary by clusters:

There are 5 clusters represented in this pham: AQ, AY, singleton, BT, FN,

Info for manual annotations of cluster AQ:
•Start number 6 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster AY:
•Start number 13 was manually annotated 3 times for cluster AY.

Info for manual annotations of cluster BT:
•Start number 14 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster FN:
•Start number 13 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: AbbyDaisy_86 Start: 49683, Stop: 50093, Start Num: 13
Candidate Starts for AbbyDaisy_86:

(Start: 13 @49683 has 4 MA's), (22, 49761), (27, 49791), (31, 49815), (40, 49884), (47, 50025), (49, 50076),

Gene: Amavida_53 Start: 33620, Stop: 33138, Start Num: 6
Candidate Starts for Amavida_53:
(Start: 6 @33620 has 13 MA's), (10, 33566), (30, 33413), (42, 33266), (43, 33263), (44, 33254), (47, 33206), (49, 33155),

Gene: Amigo_50 Start: 33507, Stop: 33049, Start Num: 6
Candidate Starts for Amigo_50:
(Start: 6 @33507 has 13 MA's), (7, 33477), (9, 33453), (17, 33405), (18, 33381), (21, 33372), (40, 33255), (44, 33165), (47, 33117), (49, 33066),

Gene: Anansi_50 Start: 33442, Stop: 32984, Start Num: 6
Candidate Starts for Anansi_50:
(Start: 6 @33442 has 13 MA's), (7, 33412), (9, 33388), (17, 33340), (18, 33316), (21, 33307), (40, 33190), (44, 33100), (47, 33052), (49, 33001),

Gene: Bauer_80 Start: 44429, Stop: 44842, Start Num: 13
Candidate Starts for Bauer_80:
(12, 44420), (Start: 13 @44429 has 4 MA's), (28, 44540), (29, 44546), (40, 44633),

Gene: Bimmel_26 Start: 18034, Stop: 17636, Start Num: 14
Candidate Starts for Bimmel_26:
(Start: 14 @18034 has 3 MA's), (20, 17968), (22, 17959), (27, 17929), (35, 17869), (37, 17863), (39, 17848), (49, 17650),

Gene: Boersma_52 Start: 33507, Stop: 33049, Start Num: 6
Candidate Starts for Boersma_52:
(Start: 6 @33507 has 13 MA's), (7, 33477), (9, 33453), (17, 33405), (18, 33381), (21, 33372), (40, 33255), (44, 33165), (47, 33117), (49, 33066),

Gene: Ding_77 Start: 46926, Stop: 47342, Start Num: 13
Candidate Starts for Ding_77:
(Start: 13 @46926 has 4 MA's),

Gene: Gorgeous_50 Start: 33442, Stop: 32984, Start Num: 6
Candidate Starts for Gorgeous_50:
(Start: 6 @33442 has 13 MA's), (7, 33412), (9, 33388), (17, 33340), (18, 33316), (21, 33307), (40, 33190), (44, 33100), (47, 33052), (49, 33001),

Gene: Heylee_53 Start: 33620, Stop: 33138, Start Num: 6
Candidate Starts for Heylee_53:
(Start: 6 @33620 has 13 MA's), (10, 33566), (30, 33413), (42, 33266), (43, 33263), (44, 33254), (47, 33206), (49, 33155),

Gene: Ichor_50 Start: 33507, Stop: 33049, Start Num: 6
Candidate Starts for Ichor_50:
(Start: 6 @33507 has 13 MA's), (7, 33477), (9, 33453), (17, 33405), (18, 33381), (21, 33372), (40, 33255), (44, 33165), (47, 33117), (49, 33066),

Gene: Jaek_50 Start: 33507, Stop: 33049, Start Num: 6
Candidate Starts for Jaek_50:

(Start: 6 @33507 has 13 MA's), (7, 33477), (9, 33453), (17, 33405), (18, 33381), (21, 33372), (40, 33255), (44, 33165), (47, 33117), (49, 33066),

Gene: Molivia_54 Start: 32524, Stop: 32063, Start Num: 6
Candidate Starts for Molivia_54:
(Start: 6 @32524 has 13 MA's), (23, 32389), (26, 32377), (28, 32350), (29, 32344), (34, 32302), (40, 32269), (42, 32188), (43, 32185), (44, 32176), (47, 32128), (48, 32119), (49, 32077),

Gene: Ponzi_27 Start: 16304, Stop: 15894, Start Num: 11
Candidate Starts for Ponzi_27:
(1, 16676), (3, 16490), (Start: 11 @16304 has 1 MA's), (15, 16280), (46, 15995),

Gene: Raqqa_85 Start: 47700, Stop: 48110, Start Num: 13
Candidate Starts for Raqqa_85:
(4, 47547), (8, 47676), (Start: 13 @47700 has 4 MA's), (21, 47772), (24, 47781), (25, 47787), (27, 47808),

Gene: Rings_49 Start: 33579, Stop: 33109, Start Num: 6
Candidate Starts for Rings_49:
(Start: 6 @33579 has 13 MA's), (16, 33480), (18, 33453), (19, 33450), (32, 33378), (34, 33357), (42, 33237), (44, 33225), (47, 33177), (49, 33126),

Gene: SorJuana_50 Start: 33442, Stop: 32984, Start Num: 6
Candidate Starts for SorJuana_50:
(Start: 6 @33442 has 13 MA's), (7, 33412), (9, 33388), (17, 33340), (18, 33316), (21, 33307), (40, 33190), (44, 33100), (47, 33052), (49, 33001),

Gene: Spooks_28 Start: 19049, Stop: 18648, Start Num: 14
Candidate Starts for Spooks_28:
(Start: 14 @19049 has 3 MA's), (22, 18974), (27, 18944), (38, 18866), (40, 18848), (41, 18782), (45, 18758), (49, 18662),

Gene: Success_28 Start: 18270, Stop: 17863, Start Num: 14
Candidate Starts for Success_28:
(2, 18471), (Start: 14 @18270 has 3 MA's), (33, 18123), (34, 18111), (36, 18096), (41, 17997), (45, 17973), (49, 17877),

Gene: ThayneTheZag_90 Start: 48316, Stop: 48714, Start Num: 13
Candidate Starts for ThayneTheZag_90:
(5, 48217), (Start: 13 @48316 has 4 MA's),

Gene: Thunderclap_50 Start: 33536, Stop: 33078, Start Num: 6
Candidate Starts for Thunderclap_50:
(Start: 6 @33536 has 13 MA's), (7, 33506), (9, 33482), (17, 33434), (18, 33410), (21, 33401), (40, 33284), (42, 33206), (44, 33194), (47, 33146), (49, 33095),

Gene: Yeezus_50 Start: 33506, Stop: 33048, Start Num: 6
Candidate Starts for Yeezus_50:
(Start: 6 @33506 has 13 MA's), (7, 33476), (9, 33452), (17, 33404), (18, 33380), (21, 33371), (40, 33254), (44, 33164), (47, 33116), (49, 33065),