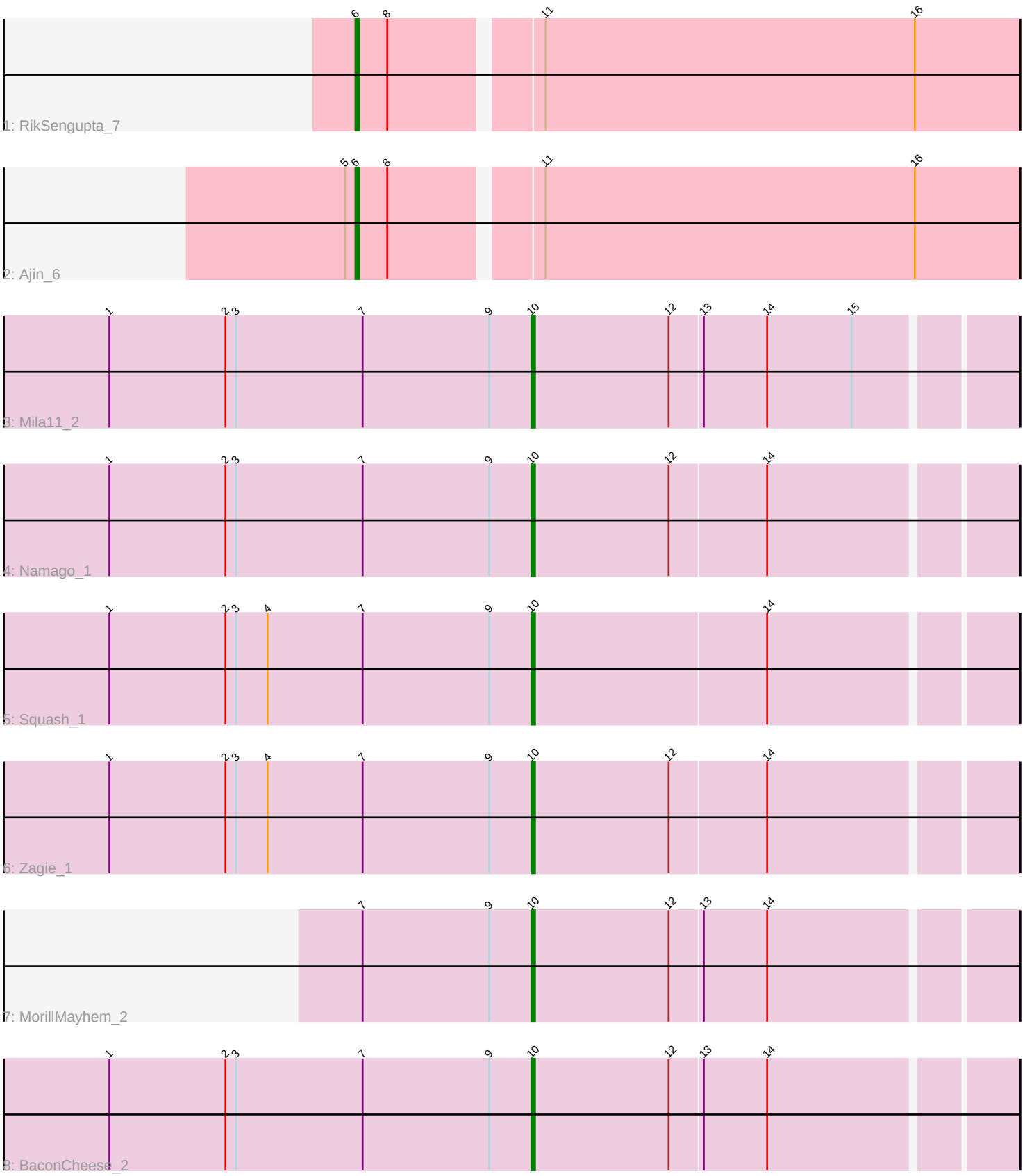
Pham 314274


6
8
11
16
1: RikSengupta_7
5
6
8
11
16
2: Ajin_6
1
2
3
7
9
10
12
13
14
15
3: Mila11_2
1
2
3
7
9
10
12
14
4: Namago_1
1
2
3
4
7
9
10
14
5: Squash_1
1
2
3
4
7
9
10
12
14
6: Zagie_1
7
9
10
12
13
14
7: MorillMayhem_2
1
2
3
7
9
10
12
13
14
8: BaconCheese_2

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 314274 Report

This analysis was run 09/05/26 on database version 662.

Pham number 314274 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : RikSengupta_7
• Track 2 : Ajin_6
• Track 3 : Mila11_2
• Track 4 : Namago_1
• Track 5 : Squash_1
• Track 6 : Zagie_1
• Track 7 : MorillMayhem_2
• Track 8 : BaconCheese_2

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaconCheese_2, Mila11_2, MorillMayhem_2, Namago_1, Squash_1, Zagie_1,

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

Genes that do not have the "Most Annotated" start:
• Ajin_6, RikSengupta_7,

Summary by start number:

Start 6:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ajin_6 (EF), RikSengupta_7 (EF),

Start 10:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaconCheese_2 (EG), Mila11_2 (EG), MorillMayhem_2 (EG), Namago_1 (EG), Squash_1 (EG), Zagie_1 (EG),

Summary by clusters:

There are 2 clusters represented in this pham: EG, EF,

Info for manual annotations of cluster EF:
•Start number 6 was manually annotated 2 times for cluster EF.

Info for manual annotations of cluster EG:
•Start number 10 was manually annotated 6 times for cluster EG.

Gene Information:

Gene: Ajin_6 Start: 1946, Stop: 2167, Start Num: 6
Candidate Starts for Ajin_6:
(5, 1943), (Start: 6 @1946 has 2 MA's), (8, 1955), (11, 1994), (16, 2099),

Gene: BaconCheese_2 Start: 1237, Stop: 1073, Start Num: 10
Candidate Starts for BaconCheese_2:
(1, 1357), (2, 1324), (3, 1321), (7, 1285), (9, 1249), (Start: 10 @1237 has 6 MA's), (12, 1198), (13, 1189), (14, 1171),

Gene: Mila11_2 Start: 1222, Stop: 1058, Start Num: 10
Candidate Starts for Mila11_2:
(1, 1342), (2, 1309), (3, 1306), (7, 1270), (9, 1234), (Start: 10 @1222 has 6 MA's), (12, 1183), (13, 1174), (14, 1156), (15, 1132),

Gene: MorillMayhem_2 Start: 1239, Stop: 1075, Start Num: 10
Candidate Starts for MorillMayhem_2:
(7, 1287), (9, 1251), (Start: 10 @1239 has 6 MA's), (12, 1200), (13, 1191), (14, 1173),

Gene: Namago_1 Start: 833, Stop: 663, Start Num: 10
Candidate Starts for Namago_1:
(1, 953), (2, 920), (3, 917), (7, 881), (9, 845), (Start: 10 @833 has 6 MA's), (12, 794), (14, 767),

Gene: RikSengupta_7 Start: 2098, Stop: 2319, Start Num: 6
Candidate Starts for RikSengupta_7:
(Start: 6 @2098 has 2 MA's), (8, 2107), (11, 2146), (16, 2251),

Gene: Squash_1 Start: 847, Stop: 677, Start Num: 10
Candidate Starts for Squash_1:
(1, 967), (2, 934), (3, 931), (4, 922), (7, 895), (9, 859), (Start: 10 @847 has 6 MA's), (14, 781),

Gene: Zagie_1 Start: 838, Stop: 668, Start Num: 10
Candidate Starts for Zagie_1:
(1, 958), (2, 925), (3, 922), (4, 913), (7, 886), (9, 850), (Start: 10 @838 has 6 MA's), (12, 799), (14, 772),