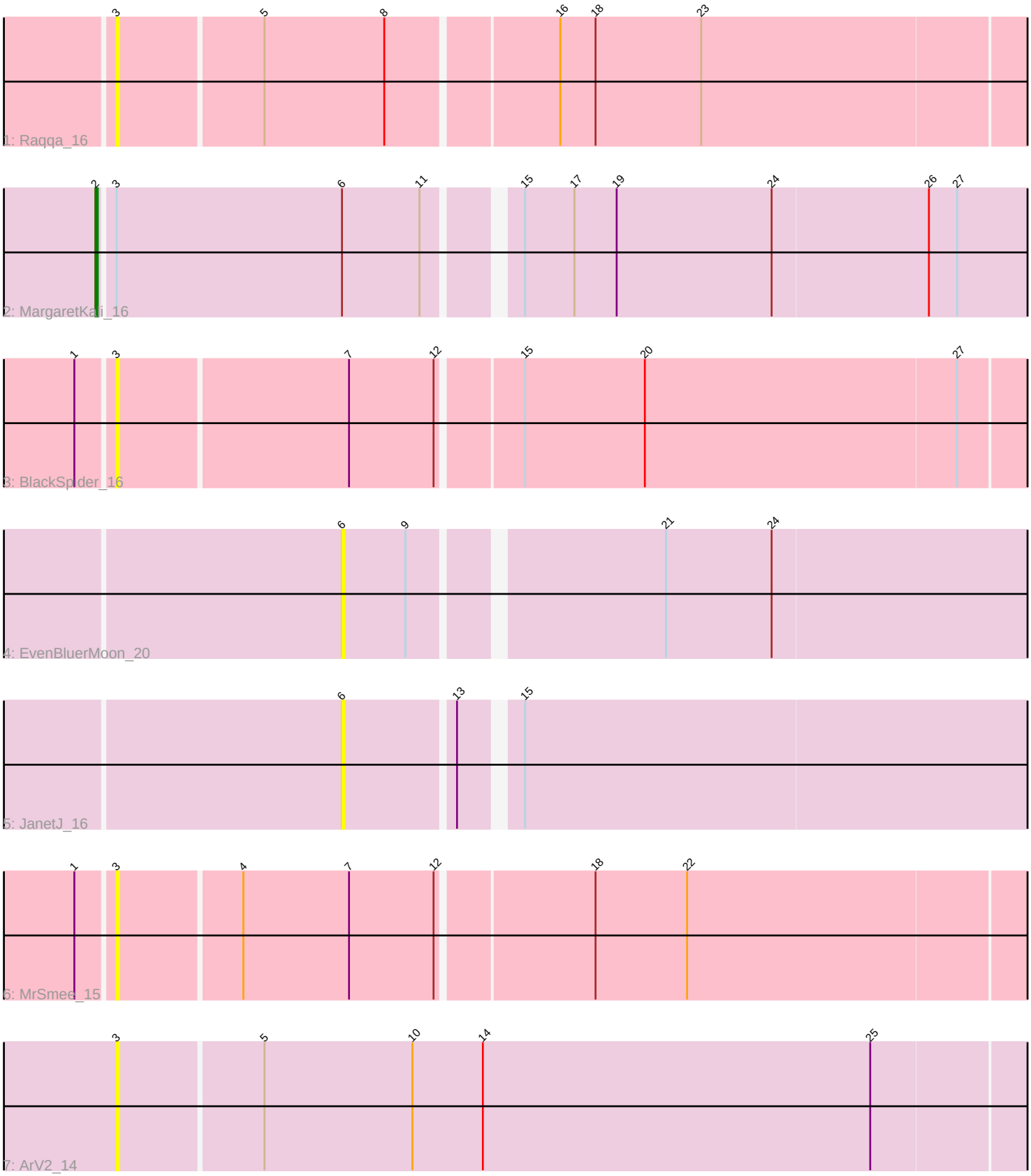
Pham 134378


3
5
8
16
18
23
1: Raqqa_16
2
3
6
11
15
17
19
24
26
27
2: MargaretKati_16
1
3
7
12
15
20
27
3: BlackSpider_16
6
9
21
24
4: EvenBluerMoon_20
6
13
15
5: JanetJ_16
1
3
4
7
12
18
22
6: MrSmee_15
3
5
10
14
25
7: ArV2_14

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 134378 Report

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

Pham number 134378 has 7 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Raqqa_16
• Track 2 : MargaretKali_16
• Track 3 : BlackSpider_16
• Track 4 : EvenBluerMoon_20
• Track 5 : JanetJ_16
• Track 6 : MrSmee_15
• Track 7 : ArV2_14

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

The start number called the most often in the published annotations is 2, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• MargaretKali_16,

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

Genes that do not have the "Most Annotated" start:
• ArV2_14, BlackSpider_16, EvenBluerMoon_20, JanetJ_16, MrSmee_15, Raqqa_16,

Summary by start number:

Start 2:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MargaretKali_16 (FB),

Start 3:
• Found in 5 of 7 (71.4%) of genes in pham
• No Manual Annotations of this start.

• Called 80.0% of time when present
• Phage (with cluster) where this start called: ArV2_14 (singleton), BlackSpider_16 (FN), MrSmee_15 (UNK), Raqqa_16 (AY),

Start 6:
• Found in 3 of 7 (42.9%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: EvenBluerMoon_20 (FO), JanetJ_16 (FO),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, FB, AY, UNK, FN, FO,

Info for manual annotations of cluster FB:
•Start number 2 was manually annotated 1 time for cluster FB.

Gene Information:

Gene: ArV2_14 Start: 8743, Stop: 9132, Start Num: 3
Candidate Starts for ArV2_14:
(3, 8743), (5, 8803), (10, 8866), (14, 8896), (25, 9061),

Gene: BlackSpider_16 Start: 9600, Stop: 9983, Start Num: 3
Candidate Starts for BlackSpider_16:
(1, 9585), (3, 9600), (7, 9696), (12, 9732), (15, 9765), (20, 9816), (27, 9948),

Gene: EvenBluerMoon_20 Start: 10670, Stop: 10969, Start Num: 6
Candidate Starts for EvenBluerMoon_20:
(6, 10670), (9, 10697), (21, 10796), (24, 10841),

Gene: JanetJ_16 Start: 10448, Stop: 10747, Start Num: 6
Candidate Starts for JanetJ_16:
(6, 10448), (13, 10493), (15, 10514),

Gene: MargaretKali_16 Start: 9858, Stop: 10250, Start Num: 2
Candidate Starts for MargaretKali_16:
(Start: 2 @9858 has 1 MA's), (3, 9864), (6, 9960), (11, 9993), (15, 10026), (17, 10047), (19, 10065), (24, 10131), (26, 10197), (27, 10209),

Gene: MrSmee_15 Start: 8342, Stop: 8725, Start Num: 3
Candidate Starts for MrSmee_15:
(1, 8327), (3, 8342), (4, 8393), (7, 8438), (12, 8474), (18, 8537), (22, 8576),

Gene: Raqqa_16 Start: 9512, Stop: 9895, Start Num: 3
Candidate Starts for Raqqa_16:

(3, 9512), (5, 9572), (8, 9623), (16, 9692), (18, 9707), (23, 9752),