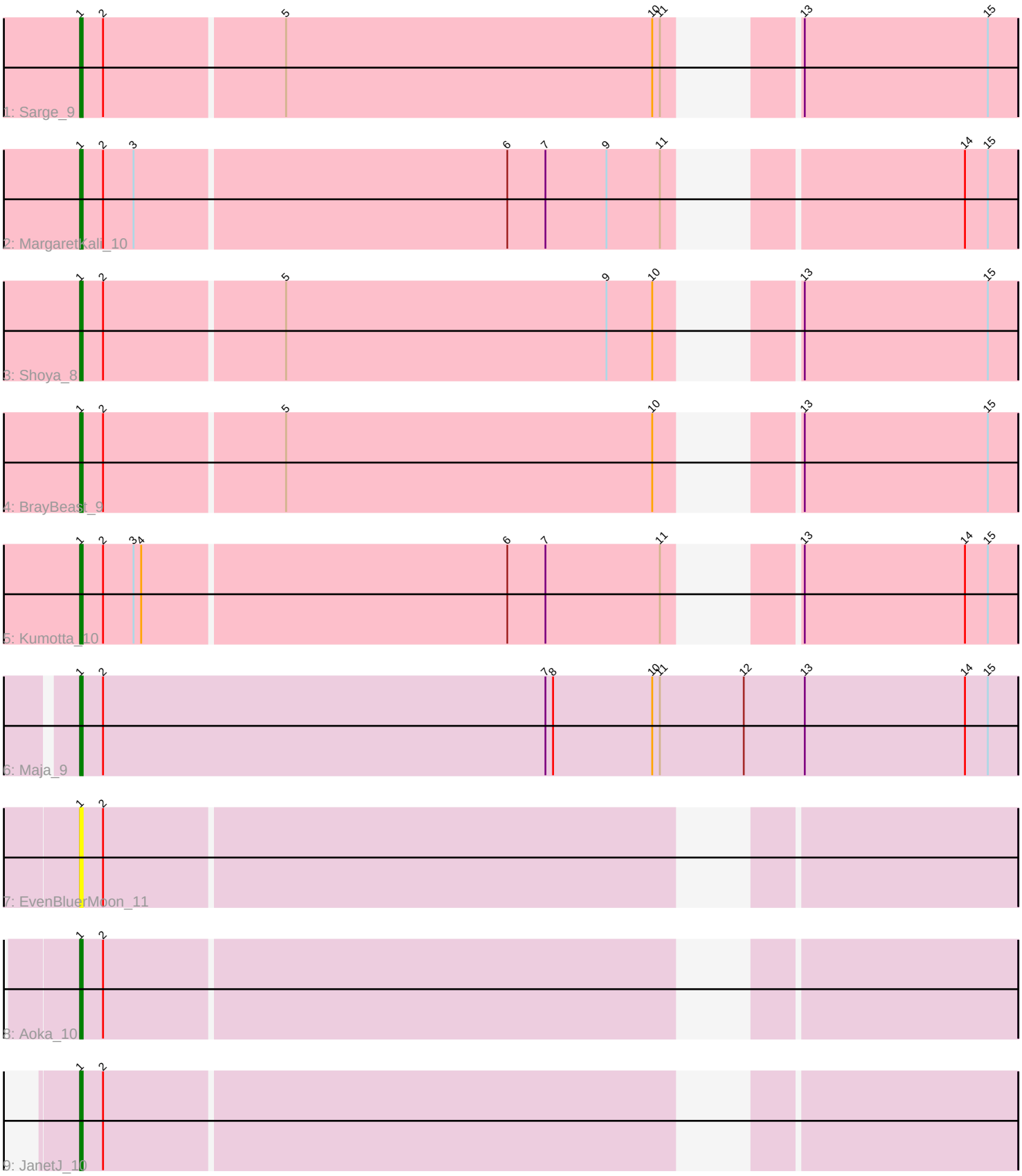
Pham 171993


1
2
5
10
11
13
15
1: Sarge_9
1
2
3
6
7
9
11
14
15
2: MargaretKali_10
1
2
5
9
10
13
15
3: Shoya_8
1
2
5
10
13
15
4: BrayBeast_9
1
2
3
4
6
7
11
13
14
15
5: Kumotta_10
1
2
7
8
10
11
12
13
14
15
6: Maja_9
1
2
7: EvenBluerMoon_11
1
2
8: Aoka_10
1
2
9: JanetJ_10

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 171993 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171993 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Sarge_9
• Track 2 : MargaretKali_10
• Track 3 : Shoya_8
• Track 4 : BrayBeast_9
• Track 5 : Kumotta_10
• Track 6 : Maja_9
• Track 7 : EvenBluerMoon_11
• Track 8 : Aoka_10
• Track 9 : JanetJ_10

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aoka_10, BrayBeast_9, EvenBluerMoon_11, JanetJ_10, Kumotta_10, Maja_9, MargaretKali_10, Sarge_9, Shoya_8,

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 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aoka_10 (FO), BrayBeast_9 (FB), EvenBluerMoon_11 (FO), JanetJ_10 (FO), Kumotta_10 (FB), Maja_9 (FO), MargaretKali_10 (FB), Sarge_9 (FB), Shoya_8 (FB),

Summary by clusters:

There are 2 clusters represented in this pham: FB, FO,

Info for manual annotations of cluster FB:
•Start number 1 was manually annotated 5 times for cluster FB.

Info for manual annotations of cluster FO:
•Start number 1 was manually annotated 3 times for cluster FO.

Gene Information:

Gene: Aoka_10 Start: 8106, Stop: 8438, Start Num: 1
Candidate Starts for Aoka_10:
(Start: 1 @8106 has 8 MA's), (2, 8115),

Gene: BrayBeast_9 Start: 7001, Stop: 7333, Start Num: 1
Candidate Starts for BrayBeast_9:
(Start: 1 @7001 has 8 MA's), (2, 7010), (5, 7079), (10, 7223), (13, 7250), (15, 7322),

Gene: EvenBluerMoon_11 Start: 8140, Stop: 8472, Start Num: 1
Candidate Starts for EvenBluerMoon_11:
(Start: 1 @8140 has 8 MA's), (2, 8149),

Gene: JanetJ_10 Start: 7922, Stop: 8254, Start Num: 1
Candidate Starts for JanetJ_10:
(Start: 1 @7922 has 8 MA's), (2, 7931),

Gene: Kumotta_10 Start: 7839, Stop: 8171, Start Num: 1
Candidate Starts for Kumotta_10:
(Start: 1 @7839 has 8 MA's), (2, 7848), (3, 7860), (4, 7863), (6, 8004), (7, 8019), (11, 8064), (13, 8088), (14, 8151), (15, 8160),

Gene: Maja_9 Start: 7424, Stop: 7792, Start Num: 1
Candidate Starts for Maja_9:
(Start: 1 @7424 has 8 MA's), (2, 7433), (7, 7607), (8, 7610), (10, 7649), (11, 7652), (12, 7685), (13, 7709), (14, 7772), (15, 7781),

Gene: MargaretKali_10 Start: 7474, Stop: 7806, Start Num: 1
Candidate Starts for MargaretKali_10:
(Start: 1 @7474 has 8 MA's), (2, 7483), (3, 7495), (6, 7639), (7, 7654), (9, 7678), (11, 7699), (14, 7786), (15, 7795),

Gene: Sarge_9 Start: 6912, Stop: 7244, Start Num: 1
Candidate Starts for Sarge_9:
(Start: 1 @6912 has 8 MA's), (2, 6921), (5, 6990), (10, 7134), (11, 7137), (13, 7161), (15, 7233),

Gene: Shoya_8 Start: 6548, Stop: 6880, Start Num: 1
Candidate Starts for Shoya_8:
(Start: 1 @6548 has 8 MA's), (2, 6557), (5, 6626), (9, 6752), (10, 6770), (13, 6797), (15, 6869),