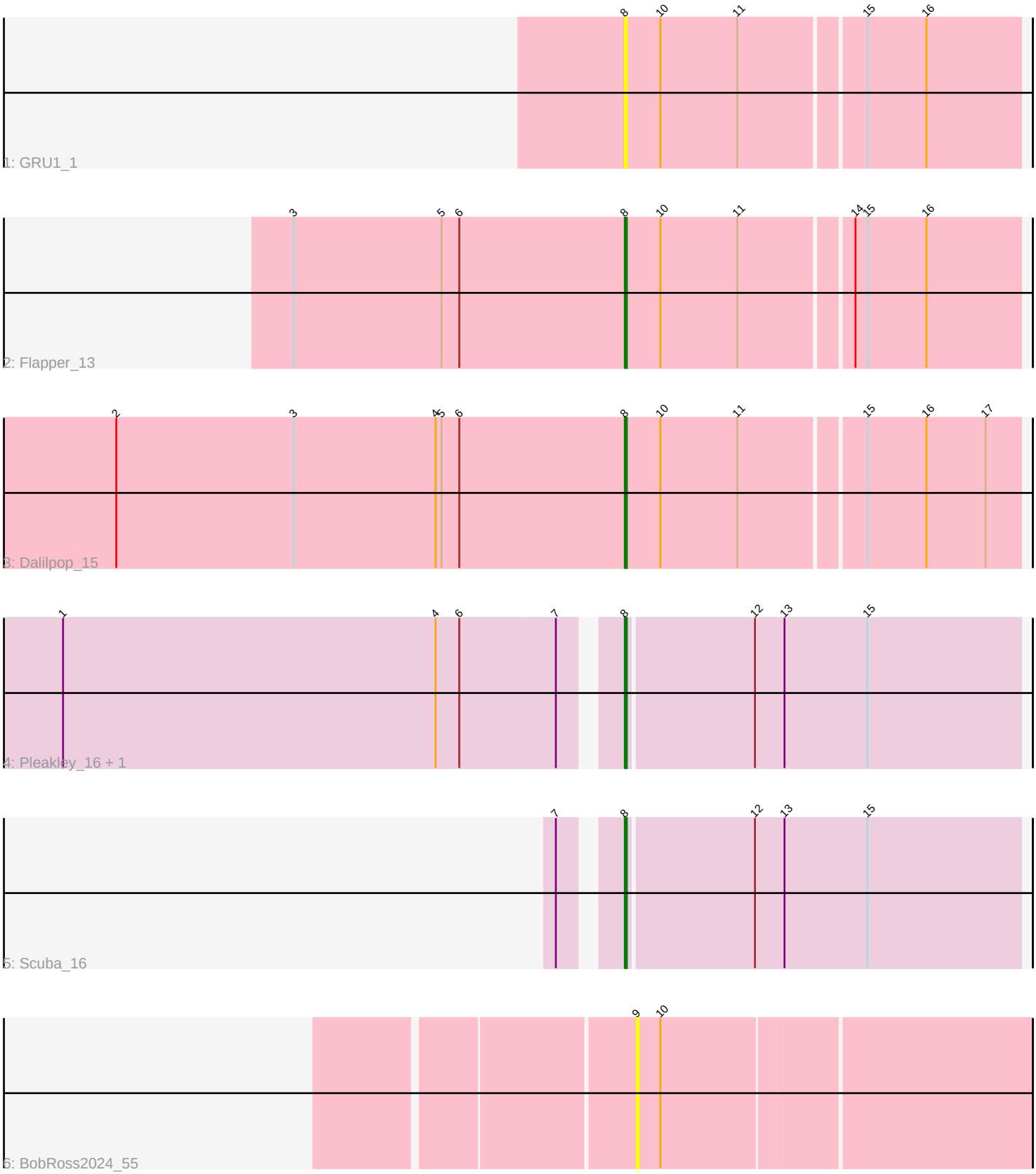
Pham 335632


8
10
11
15
16
1: GRU1_1
3
5
6
8
10
11
14
15
16
2: Flapper_13
2
3
4
5
6
8
10
11
15
16
17
3: Dalilpop_15
1
4
6
7
8
12
13
15
4: Pleakley_16 + 1
7
8
12
13
15
5: Scuba_16
9
10
6: BobRoss2024_55

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 335632 Report

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

Pham number 335632 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : GRU1_1
• Track 2 : Flapper_13
• Track 3 : Dalilpop_15
• Track 4 : Pleakley_16, Fury_16
• Track 5 : Scuba_16
• Track 6 : BobRoss2024_55

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dalilpop_15, Flapper_13, Fury_16, GRU1_1, Pleakley_16, Scuba_16,

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

Genes that do not have the "Most Annotated" start:
• BobRoss2024_55,

Summary by start number:

Start 8:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dalilpop_15 (CR1), Flapper_13 (CR1), Fury_16 (CR5), GRU1_1 (CR1), Pleakley_16 (CR5), Scuba_16 (CR5),

Start 9:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BobRoss2024_55 (DR),

Summary by clusters:

There are 3 clusters represented in this pham: CR1, DR, CR5,

Info for manual annotations of cluster CR1:
•Start number 8 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR5:
•Start number 8 was manually annotated 3 times for cluster CR5.

Gene Information:

Gene: BobRoss2024_55 Start: 47540, Stop: 47346, Start Num: 9
Candidate Starts for BobRoss2024_55:
(9, 47540), (10, 47528),

Gene: Dalilpop_15 Start: 7891, Stop: 8085, Start Num: 8
Candidate Starts for Dalilpop_15:
(2, 7633), (3, 7723), (4, 7795), (5, 7798), (6, 7807), (Start: 8 @7891 has 5 MA's), (10, 7909), (11, 7948), (15, 8008), (16, 8038), (17, 8068),

Gene: Flapper_13 Start: 6734, Stop: 6928, Start Num: 8
Candidate Starts for Flapper_13:
(3, 6566), (5, 6641), (6, 6650), (Start: 8 @6734 has 5 MA's), (10, 6752), (11, 6791), (14, 6845), (15, 6851), (16, 6881),

Gene: Fury_16 Start: 6994, Stop: 7191, Start Num: 8
Candidate Starts for Fury_16:
(1, 6721), (4, 6910), (6, 6922), (7, 6970), (Start: 8 @6994 has 5 MA's), (12, 7057), (13, 7072), (15, 7114),

Gene: GRU1_1 Start: 57, Stop: 251, Start Num: 8
Candidate Starts for GRU1_1:
(Start: 8 @57 has 5 MA's), (10, 75), (11, 114), (15, 174), (16, 204),

Gene: Pleakley_16 Start: 6994, Stop: 7191, Start Num: 8
Candidate Starts for Pleakley_16:
(1, 6721), (4, 6910), (6, 6922), (7, 6970), (Start: 8 @6994 has 5 MA's), (12, 7057), (13, 7072), (15, 7114),

Gene: Scuba_16 Start: 7095, Stop: 7292, Start Num: 8
Candidate Starts for Scuba_16:
(7, 7071), (Start: 8 @7095 has 5 MA's), (12, 7158), (13, 7173), (15, 7215),