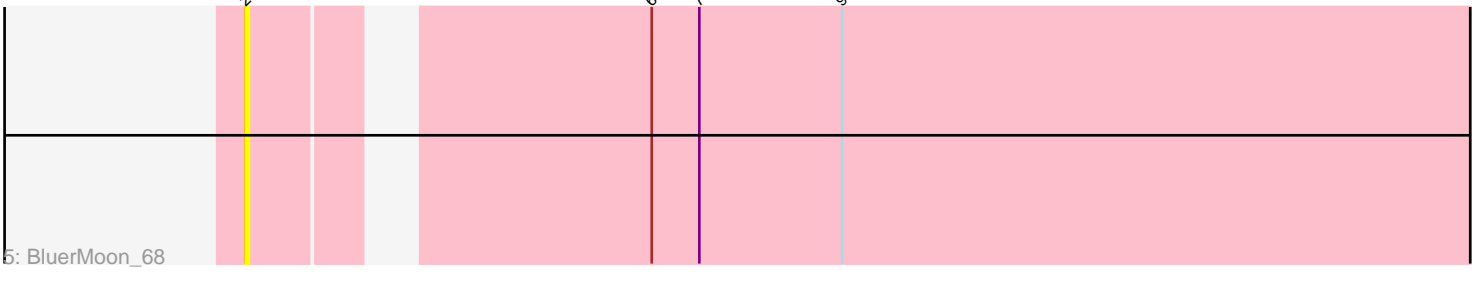
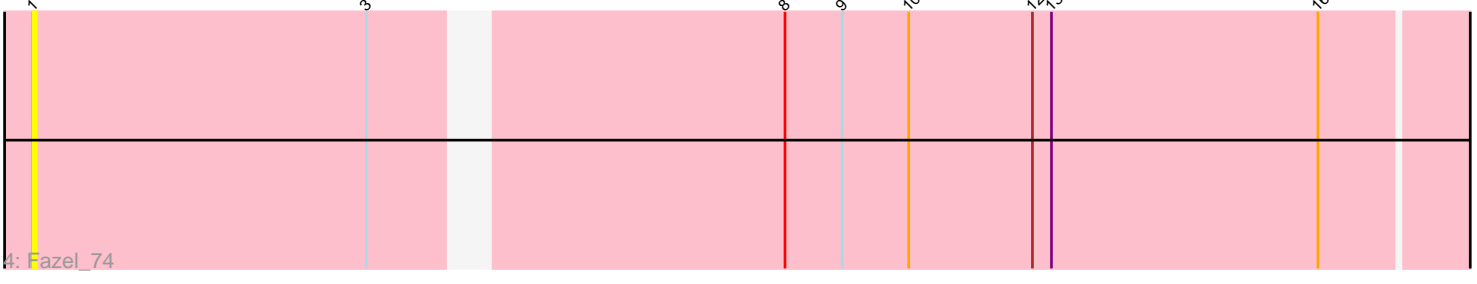
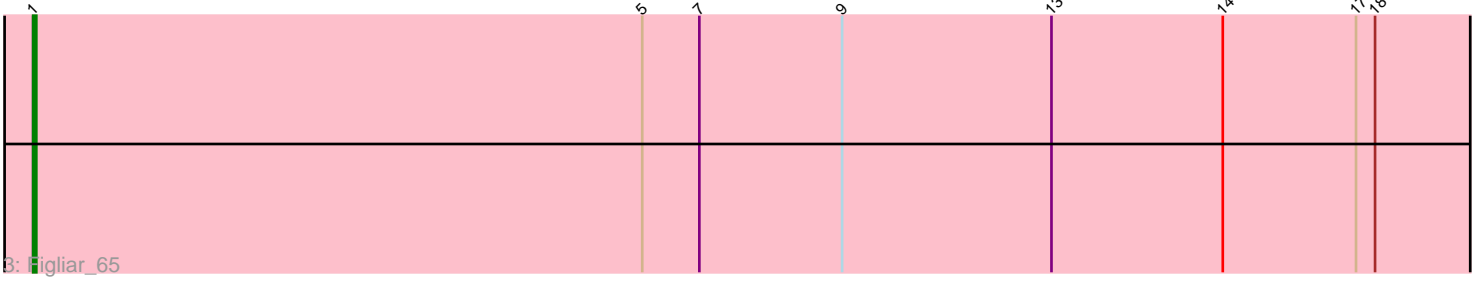
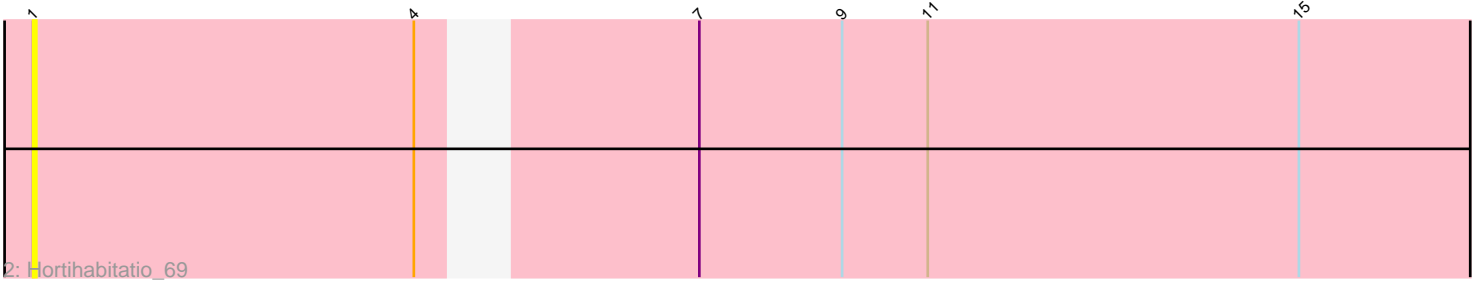
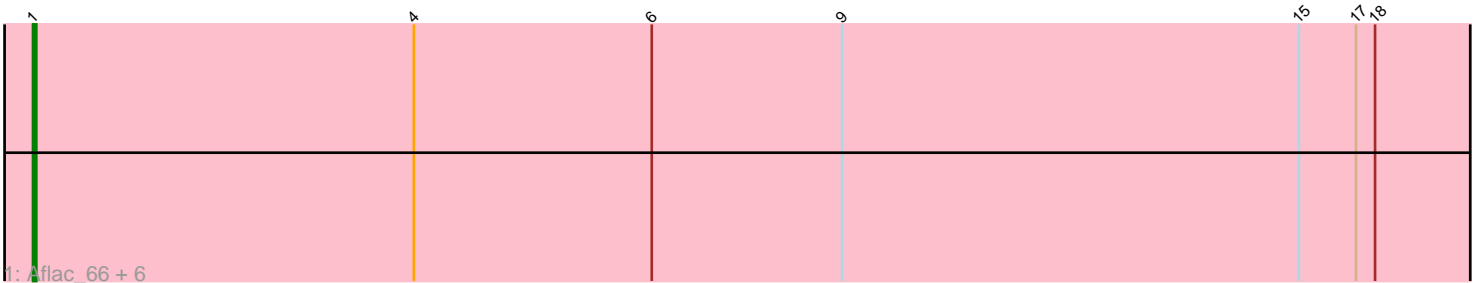


Pham 87811



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 87811 Report

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

Pham number 87811 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Aflac\_66, Duffington\_65, Chickenjars\_65, AlainaMarie\_66, EndAve\_68, Rickmore\_64, Nithya\_67
- Track 2 : Hortihabitatio\_69
- Track 3 : Figliar\_65
- Track 4 : Fazel\_74
- Track 5 : BluerMoon\_68

### ***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:

- Aflac\_66, AlainaMarie\_66, Chickenjars\_65, Duffington\_65, EndAve\_68, Fazel\_74, Figliar\_65, Hortihabitatio\_69, Nithya\_67, Rickmore\_64,

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

- 

Genes that do not have the "Most Annotated" start:

- BluerMoon\_68,

### **Summary by start number:**

Start 1:

- Found in 10 of 11 ( 90.9% ) 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: Aflac\_66 (DJ), AlainaMarie\_66 (DJ), Chickenjars\_65 (DJ), Duffington\_65 (DJ), EndAve\_68 (DJ), Fazel\_74 (DJ), Figliar\_65 (DJ), Hortihabitatio\_69 (DJ), Nithya\_67 (DJ), Rickmore\_64 (DJ),

Start 2:

- Found in 1 of 11 ( 9.1% ) of genes in pham

- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BluerMoon\_68 (DJ),

### **Summary by clusters:**

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 1 was manually annotated 8 times for cluster DJ.

### **Gene Information:**

Gene: Aflac\_66 Start: 47598, Stop: 48050, Start Num: 1

Candidate Starts for Aflac\_66:

(Start: 1 @47598 has 8 MA's), (4, 47718), (6, 47793), (9, 47853), (15, 47997), (17, 48015), (18, 48021),

Gene: AlainaMarie\_66 Start: 47639, Stop: 48091, Start Num: 1

Candidate Starts for AlainaMarie\_66:

(Start: 1 @47639 has 8 MA's), (4, 47759), (6, 47834), (9, 47894), (15, 48038), (17, 48056), (18, 48062),

Gene: BluerMoon\_68 Start: 47635, Stop: 48003, Start Num: 2

Candidate Starts for BluerMoon\_68:

(2, 47635), (6, 47743), (7, 47758), (9, 47803),

Gene: Chikenjars\_65 Start: 47659, Stop: 48111, Start Num: 1

Candidate Starts for Chikenjars\_65:

(Start: 1 @47659 has 8 MA's), (4, 47779), (6, 47854), (9, 47914), (15, 48058), (17, 48076), (18, 48082),

Gene: Duffington\_65 Start: 47356, Stop: 47808, Start Num: 1

Candidate Starts for Duffington\_65:

(Start: 1 @47356 has 8 MA's), (4, 47476), (6, 47551), (9, 47611), (15, 47755), (17, 47773), (18, 47779),

Gene: EndAve\_68 Start: 47823, Stop: 48278, Start Num: 1

Candidate Starts for EndAve\_68:

(Start: 1 @47823 has 8 MA's), (4, 47943), (6, 48018), (9, 48078), (15, 48222), (17, 48240), (18, 48246),

Gene: Fazel\_74 Start: 48182, Stop: 48619, Start Num: 1

Candidate Starts for Fazel\_74:

(Start: 1 @48182 has 8 MA's), (3, 48287), (8, 48404), (9, 48422), (10, 48443), (12, 48482), (13, 48488), (16, 48572),

Gene: Figliar\_65 Start: 47666, Stop: 48118, Start Num: 1

Candidate Starts for Figliar\_65:

(Start: 1 @47666 has 8 MA's), (5, 47858), (7, 47876), (9, 47921), (13, 47987), (14, 48041), (17, 48083), (18, 48089),

Gene: Hortihabitatio\_69 Start: 48564, Stop: 48995, Start Num: 1

Candidate Starts for Hortihabitatio\_69:

(Start: 1 @48564 has 8 MA's), (4, 48684), (7, 48753), (9, 48798), (11, 48825), (15, 48942),

Gene: Nithya\_67 Start: 47524, Stop: 47979, Start Num: 1

Candidate Starts for Nithya\_67:

(Start: 1 @47524 has 8 MA's), (4, 47644), (6, 47719), (9, 47779), (15, 47923), (17, 47941), (18, 47947),

Gene: Rickmore\_64 Start: 46043, Stop: 46495, Start Num: 1

Candidate Starts for Rickmore\_64:

(Start: 1 @46043 has 8 MA's), (4, 46163), (6, 46238), (9, 46298), (15, 46442), (17, 46460), (18, 46466),