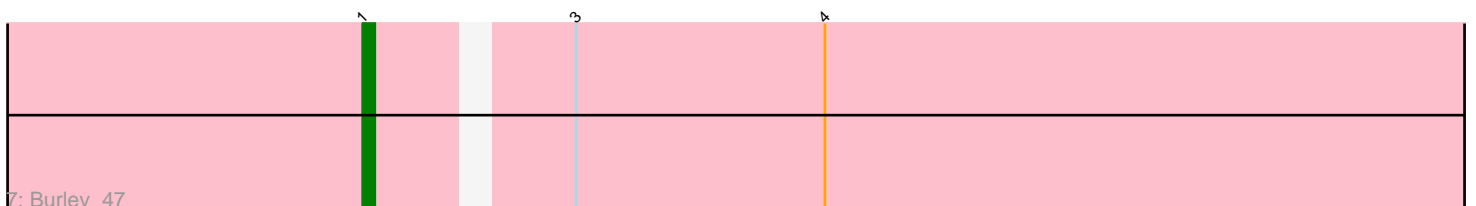
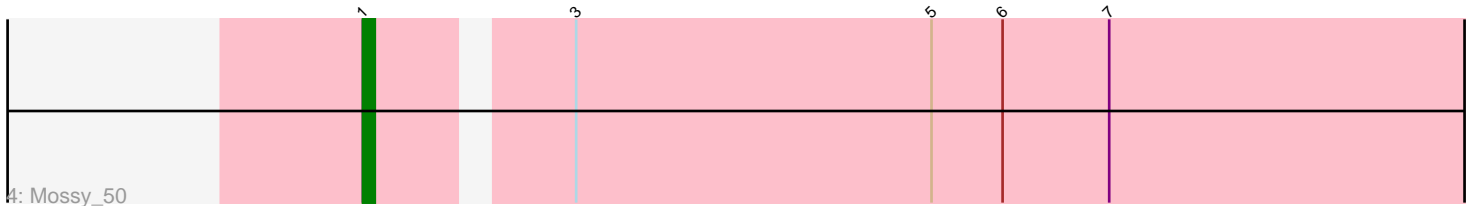
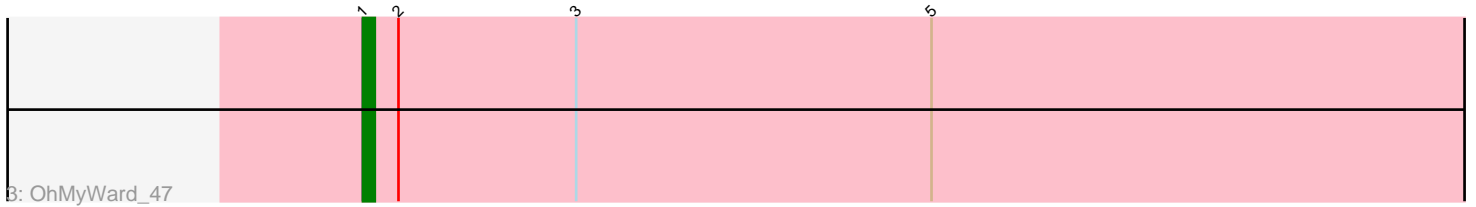
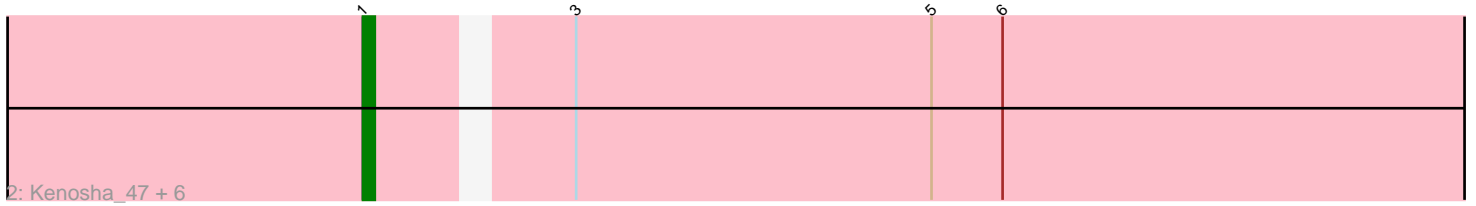
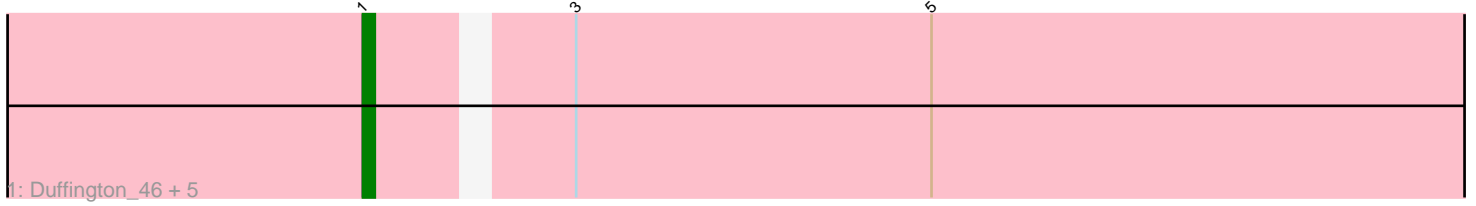


Pham 162203



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 162203 Report

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

Pham number 162203 has 20 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Duffington\_46, Eddiemania\_49, Nadmeg\_48, Crocheter\_47, Aflac\_47, Runhaar\_48
- Track 2 : Kenosha\_47, Zeph\_52, Madvan\_47, Phepper\_48, Vardy\_47, Untouchable\_48, Hydrus\_49
- Track 3 : OhMyWard\_47
- Track 4 : Mossy\_50
- Track 5 : OlgasClover\_48, TenaciousP\_51, Figliar\_47
- Track 6 : BluerMoon\_50
- Track 7 : Burley\_47

### ***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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac\_47, BluerMoon\_50, Burley\_47, Crocheter\_47, Duffington\_46, Eddiemania\_49, Figliar\_47, Hydrus\_49, Kenosha\_47, Madvan\_47, Mossy\_50, Nadmeg\_48, OhMyWard\_47, OlgasClover\_48, Phepper\_48, Runhaar\_48, TenaciousP\_51, Untouchable\_48, Vardy\_47, Zeph\_52,

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 20 of 20 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Aflac\_47 (DJ), BluerMoon\_50 (DJ), Burley\_47 (DJ), Crocheter\_47 (DJ), Duffington\_46 (DJ), Eddiemania\_49 (DJ), Figliar\_47 (DJ), Hydrus\_49 (DJ), Kenosha\_47 (DJ), Madvan\_47 (DJ), Mossy\_50 (DJ), Nadmeg\_48 (DJ), OhMyWard\_47 (DJ), OlgasClover\_48 (DJ), Phepper\_48 (DJ), Runhaar\_48 (DJ), TenaciousP\_51 (DJ), Untouchable\_48 (DJ), Vardy\_47 (DJ), Zeph\_52 (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 15 times for cluster DJ.

### **Gene Information:**

Gene: Aflac\_47 Start: 34713, Stop: 34823, Start Num: 1

Candidate Starts for Aflac\_47:

(Start: 1 @34713 has 15 MA's), (3, 34728), (5, 34758),

Gene: BluerMoon\_50 Start: 34710, Stop: 34817, Start Num: 1

Candidate Starts for BluerMoon\_50:

(Start: 1 @34710 has 15 MA's), (3, 34725),

Gene: Burley\_47 Start: 34471, Stop: 34578, Start Num: 1

Candidate Starts for Burley\_47:

(Start: 1 @34471 has 15 MA's), (3, 34486), (4, 34507),

Gene: Crocheter\_47 Start: 34873, Stop: 34980, Start Num: 1

Candidate Starts for Crocheter\_47:

(Start: 1 @34873 has 15 MA's), (3, 34888), (5, 34918),

Gene: Duffington\_46 Start: 34371, Stop: 34481, Start Num: 1

Candidate Starts for Duffington\_46:

(Start: 1 @34371 has 15 MA's), (3, 34386), (5, 34416),

Gene: Eddiemania\_49 Start: 35634, Stop: 35741, Start Num: 1

Candidate Starts for Eddiemania\_49:

(Start: 1 @35634 has 15 MA's), (3, 35649), (5, 35679),

Gene: Figliar\_47 Start: 34773, Stop: 34883, Start Num: 1

Candidate Starts for Figliar\_47:

(Start: 1 @34773 has 15 MA's), (3, 34788), (5, 34818),

Gene: Hydrus\_49 Start: 35645, Stop: 35752, Start Num: 1

Candidate Starts for Hydrus\_49:

(Start: 1 @35645 has 15 MA's), (3, 35660), (5, 35690), (6, 35696),

Gene: Kenosha\_47 Start: 35281, Stop: 35388, Start Num: 1

Candidate Starts for Kenosha\_47:

(Start: 1 @35281 has 15 MA's), (3, 35296), (5, 35326), (6, 35332),

Gene: Madvan\_47 Start: 34514, Stop: 34621, Start Num: 1  
Candidate Starts for Madvan\_47:  
(Start: 1 @34514 has 15 MA's), (3, 34529), (5, 34559), (6, 34565),

Gene: Mossy\_50 Start: 36641, Stop: 36751, Start Num: 1  
Candidate Starts for Mossy\_50:  
(Start: 1 @36641 has 15 MA's), (3, 36656), (5, 36686), (6, 36692), (7, 36701),

Gene: Nadmeg\_48 Start: 35946, Stop: 36053, Start Num: 1  
Candidate Starts for Nadmeg\_48:  
(Start: 1 @35946 has 15 MA's), (3, 35961), (5, 35991),

Gene: OhMyWard\_47 Start: 35734, Stop: 35844, Start Num: 1  
Candidate Starts for OhMyWard\_47:  
(Start: 1 @35734 has 15 MA's), (2, 35737), (3, 35752), (5, 35782),

Gene: OlgasClover\_48 Start: 35758, Stop: 35868, Start Num: 1  
Candidate Starts for OlgasClover\_48:  
(Start: 1 @35758 has 15 MA's), (3, 35773), (5, 35803),

Gene: Phepper\_48 Start: 34767, Stop: 34874, Start Num: 1  
Candidate Starts for Phepper\_48:  
(Start: 1 @34767 has 15 MA's), (3, 34782), (5, 34812), (6, 34818),

Gene: Runhaar\_48 Start: 34762, Stop: 34869, Start Num: 1  
Candidate Starts for Runhaar\_48:  
(Start: 1 @34762 has 15 MA's), (3, 34777), (5, 34807),

Gene: TenaciousP\_51 Start: 36139, Stop: 36249, Start Num: 1  
Candidate Starts for TenaciousP\_51:  
(Start: 1 @36139 has 15 MA's), (3, 36154), (5, 36184),

Gene: Untouchable\_48 Start: 35127, Stop: 35234, Start Num: 1  
Candidate Starts for Untouchable\_48:  
(Start: 1 @35127 has 15 MA's), (3, 35142), (5, 35172), (6, 35178),

Gene: Vardy\_47 Start: 34471, Stop: 34578, Start Num: 1  
Candidate Starts for Vardy\_47:  
(Start: 1 @34471 has 15 MA's), (3, 34486), (5, 34516), (6, 34522),

Gene: Zeph\_52 Start: 35625, Stop: 35732, Start Num: 1  
Candidate Starts for Zeph\_52:  
(Start: 1 @35625 has 15 MA's), (3, 35640), (5, 35670), (6, 35676),