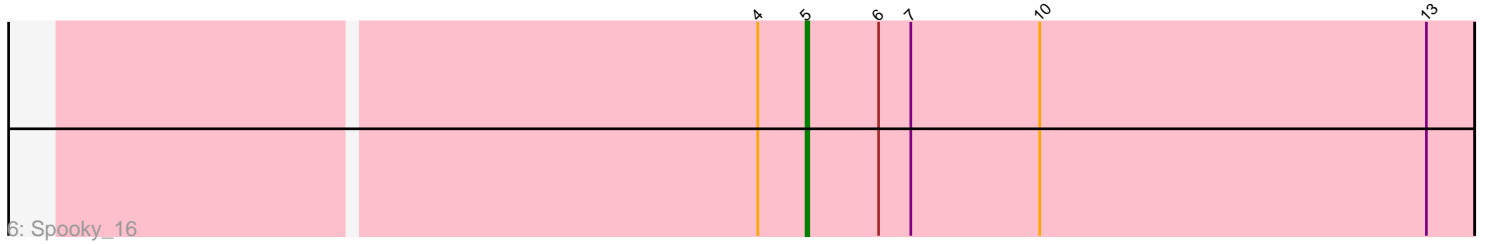
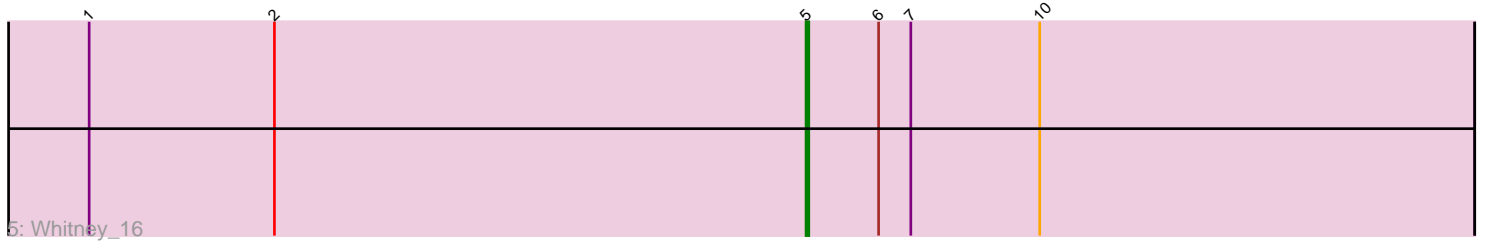
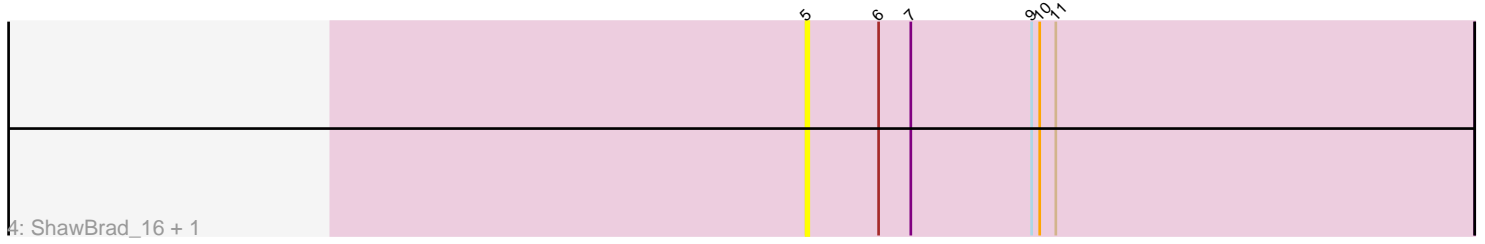
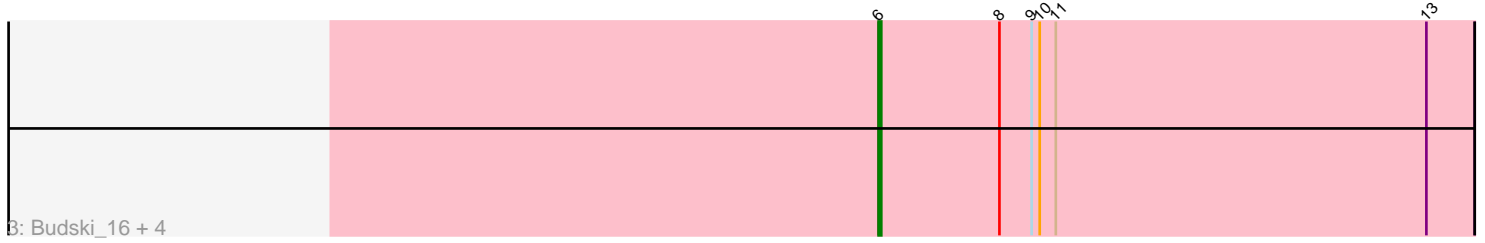
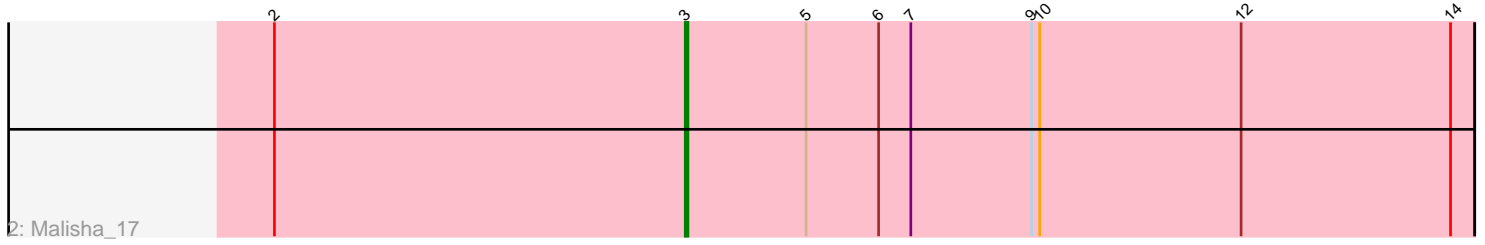
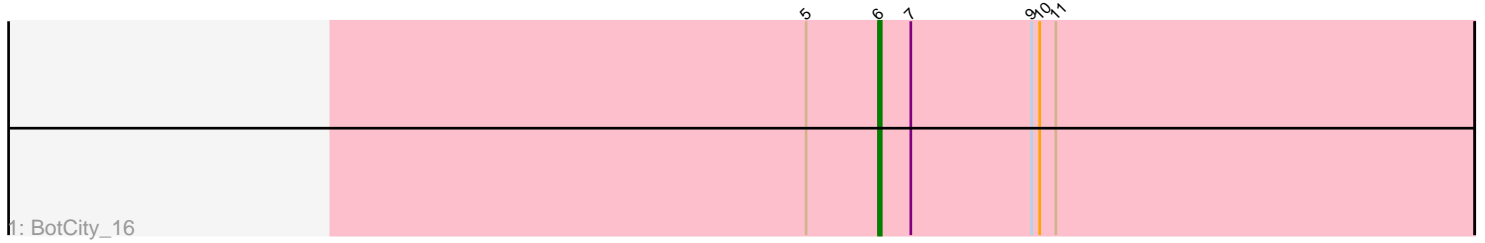


# Pham 295293



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 295293 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295293 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : BotCity\_16
- Track 2 : Malisha\_17
- Track 3 : Budski\_16, Kamaru\_16, Phabuloso\_16, CheeseTouch\_16, LitninMcQueen\_16
- Track 4 : ShawBrad\_16, Frickyeah\_16
- Track 5 : Whitney\_16
- Track 6 : Spooky\_16

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BotCity\_16, Budski\_16, CheeseTouch\_16, Kamaru\_16, LitninMcQueen\_16, Phabuloso\_16,

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

- Frickyeah\_16, Malisha\_17, ShawBrad\_16, Spooky\_16, Whitney\_16,

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

- 

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

Start 3:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Malisha\_17 (DN),

Start 5:

- Found in 6 of 11 ( 54.5% ) of genes in pham
- Manual Annotations of this start: 2 of 9

- Called 66.7% of time when present
- Phage (with cluster) where this start called: Frickyeah\_16 (DN1), ShawBrad\_16 (DN1), Spooky\_16 (DN2), Whitney\_16 (DN1),

Start 6:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 54.5% of time when present
- Phage (with cluster) where this start called: BotCity\_16 (DN), Budski\_16 (DN), CheeseTouch\_16 (DN1), Kamaru\_16 (DN1), LitninMcQueen\_16 (DN1), Phabuloso\_16 (DN1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: DN, DN1, DN2,

Info for manual annotations of cluster DN:

- Start number 3 was manually annotated 1 time for cluster DN.
- Start number 6 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 5 was manually annotated 1 time for cluster DN1.
- Start number 6 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 5 was manually annotated 1 time for cluster DN2.

### **Gene Information:**

Gene: BotCity\_16 Start: 8791, Stop: 9012, Start Num: 6

Candidate Starts for BotCity\_16:

(Start: 5 @8764 has 2 MA's), (Start: 6 @8791 has 6 MA's), (7, 8803), (9, 8848), (10, 8851), (11, 8857),

Gene: Budski\_16 Start: 8777, Stop: 8998, Start Num: 6

Candidate Starts for Budski\_16:

(Start: 6 @8777 has 6 MA's), (8, 8822), (9, 8834), (10, 8837), (11, 8843), (13, 8981),

Gene: CheeseTouch\_16 Start: 8777, Stop: 8998, Start Num: 6

Candidate Starts for CheeseTouch\_16:

(Start: 6 @8777 has 6 MA's), (8, 8822), (9, 8834), (10, 8837), (11, 8843), (13, 8981),

Gene: Frickyeah\_16 Start: 8766, Stop: 9014, Start Num: 5

Candidate Starts for Frickyeah\_16:

(Start: 5 @8766 has 2 MA's), (Start: 6 @8793 has 6 MA's), (7, 8805), (9, 8850), (10, 8853), (11, 8859),

Gene: Kamaru\_16 Start: 8777, Stop: 8998, Start Num: 6

Candidate Starts for Kamaru\_16:

(Start: 6 @8777 has 6 MA's), (8, 8822), (9, 8834), (10, 8837), (11, 8843), (13, 8981),

Gene: LitninMcQueen\_16 Start: 8778, Stop: 8999, Start Num: 6

Candidate Starts for LitninMcQueen\_16:

(Start: 6 @8778 has 6 MA's), (8, 8823), (9, 8835), (10, 8838), (11, 8844), (13, 8982),

Gene: Malisha\_17 Start: 10505, Stop: 10798, Start Num: 3

Candidate Starts for Malisha\_17:

(2, 10352), (Start: 3 @10505 has 1 MA's), (Start: 5 @10550 has 2 MA's), (Start: 6 @10577 has 6 MA's), (7, 10589), (9, 10634), (10, 10637), (12, 10712), (14, 10790),

Gene: Phabuloso\_16 Start: 8778, Stop: 8999, Start Num: 6

Candidate Starts for Phabuloso\_16:

(Start: 6 @8778 has 6 MA's), (8, 8823), (9, 8835), (10, 8838), (11, 8844), (13, 8982),

Gene: ShawBrad\_16 Start: 8771, Stop: 9019, Start Num: 5

Candidate Starts for ShawBrad\_16:

(Start: 5 @8771 has 2 MA's), (Start: 6 @8798 has 6 MA's), (7, 8810), (9, 8855), (10, 8858), (11, 8864),

Gene: Spooky\_16 Start: 8754, Stop: 9002, Start Num: 5

Candidate Starts for Spooky\_16:

(4, 8736), (Start: 5 @8754 has 2 MA's), (Start: 6 @8781 has 6 MA's), (7, 8793), (10, 8841), (13, 8985),

Gene: Whitney\_16 Start: 8749, Stop: 8997, Start Num: 5

Candidate Starts for Whitney\_16:

(1, 8482), (2, 8551), (Start: 5 @8749 has 2 MA's), (Start: 6 @8776 has 6 MA's), (7, 8788), (10, 8836),