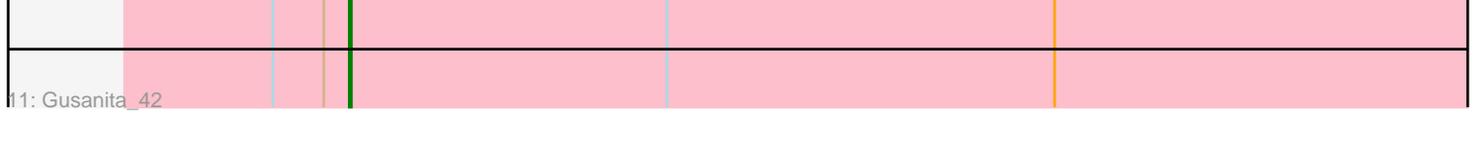
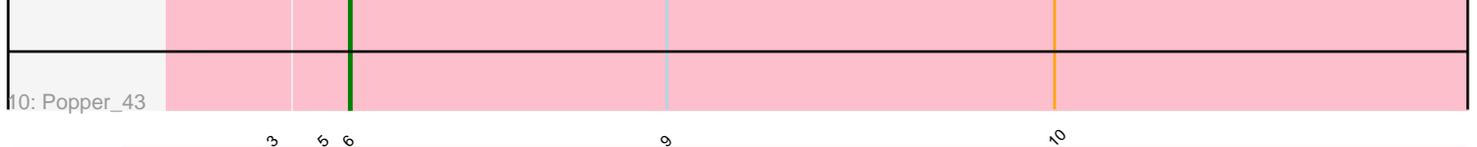
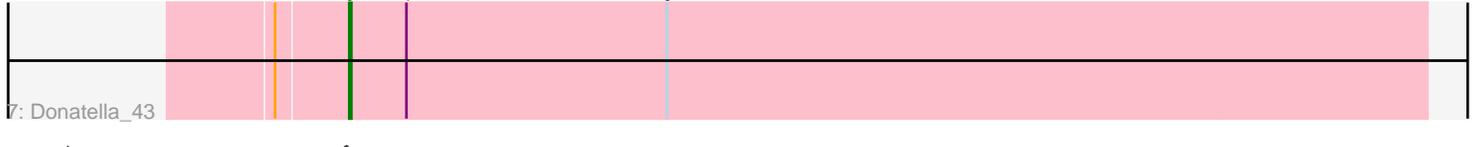
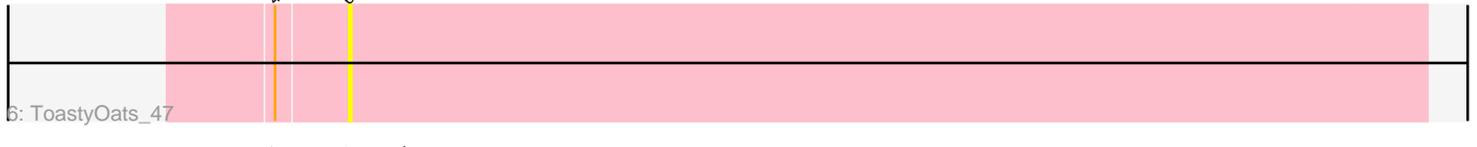
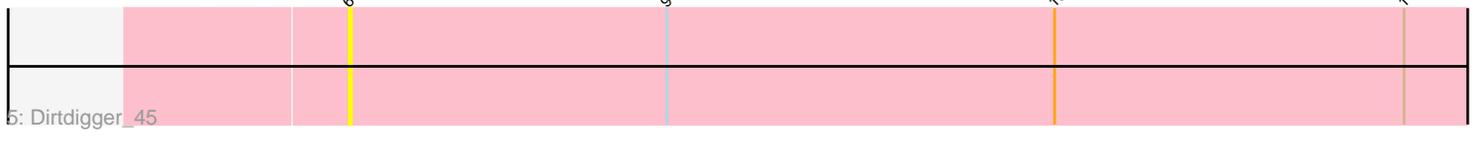
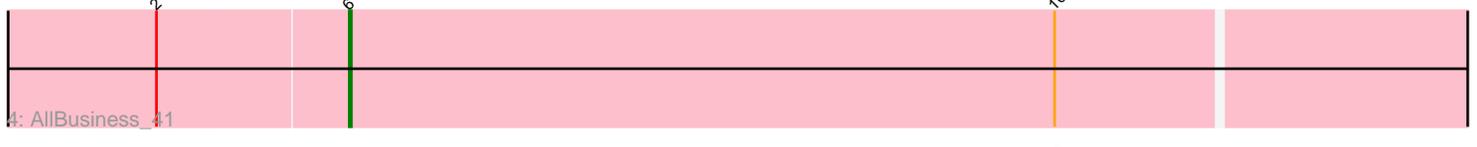
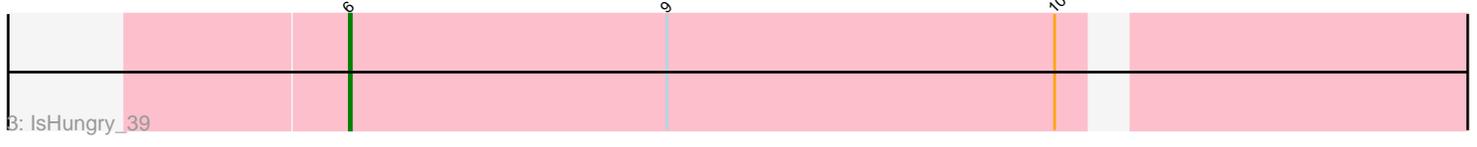
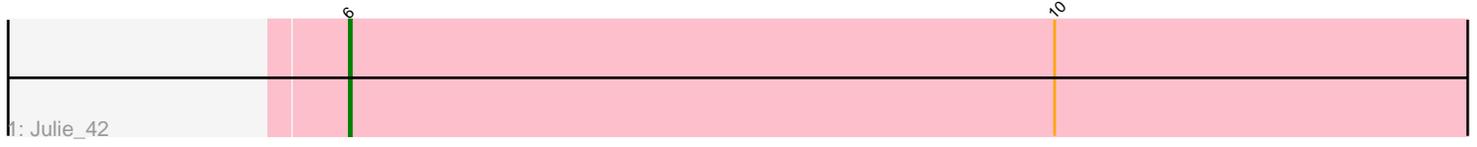


Pham 284316



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 284316 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284316 has 13 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Julie\_42
- Track 2 : Yonex\_45, Ryan\_45, BigSherm\_43
- Track 3 : IsHungry\_39
- Track 4 : AllBusiness\_41
- Track 5 : Dirdigger\_45
- Track 6 : ToastyOats\_47
- Track 7 : Donatella\_43
- Track 8 : Nandita\_45
- Track 9 : MillySue\_43
- Track 10 : Popper\_43
- Track 11 : Gusanita\_42

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

Genes that call this "Most Annotated" start:

- AllBusiness\_41, BigSherm\_43, Dirdigger\_45, Donatella\_43, Gusanita\_42, IsHungry\_39, Julie\_42, MillySue\_43, Nandita\_45, Popper\_43, Ryan\_45, ToastyOats\_47, Yonex\_45,

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 6:

- Found in 13 of 13 ( 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: AllBusiness\_41 (FF), BigSherm\_43 (FF), Dirtdigger\_45 (FF), Donatella\_43 (FF), Gusanita\_42 (FF), IsHungry\_39 (FF), Julie\_42 (FF), MillySue\_43 (FF), Nandita\_45 (FF), Popper\_43 (FF), Ryan\_45 (FF), ToastyOats\_47 (FF), Yonex\_45 (FF),

### **Summary by clusters:**

There is one cluster represented in this pham: FF

Info for manual annotations of cluster FF:

•Start number 6 was manually annotated 8 times for cluster FF.

### ***Gene Information:***

Gene: AllBusiness\_41 Start: 31586, Stop: 32197, Start Num: 6

Candidate Starts for AllBusiness\_41:

(2, 31499), (Start: 6 @31586 has 8 MA's), (10, 31919),

Gene: BigSherm\_43 Start: 30358, Stop: 30864, Start Num: 6

Candidate Starts for BigSherm\_43:

(4, 30325), (Start: 6 @30358 has 8 MA's), (9, 30508),

Gene: Dirdigger\_45 Start: 31238, Stop: 31855, Start Num: 6

Candidate Starts for Dirdigger\_45:

(Start: 6 @31238 has 8 MA's), (9, 31388), (10, 31571), (11, 31736),

Gene: Donatella\_43 Start: 30831, Stop: 31337, Start Num: 6

Candidate Starts for Donatella\_43:

(4, 30798), (Start: 6 @30831 has 8 MA's), (7, 30858), (9, 30981),

Gene: Gusanita\_42 Start: 30992, Stop: 31609, Start Num: 6

Candidate Starts for Gusanita\_42:

(3, 30956), (5, 30980), (Start: 6 @30992 has 8 MA's), (9, 31142), (10, 31325),

Gene: IsHungry\_39 Start: 29178, Stop: 29774, Start Num: 6

Candidate Starts for IsHungry\_39:

(Start: 6 @29178 has 8 MA's), (9, 29328), (10, 29511),

Gene: Julie\_42 Start: 30946, Stop: 31563, Start Num: 6

Candidate Starts for Julie\_42:

(Start: 6 @30946 has 8 MA's), (10, 31279),

Gene: MillySue\_43 Start: 30776, Stop: 31390, Start Num: 6

Candidate Starts for MillySue\_43:

(Start: 6 @30776 has 8 MA's), (8, 30839), (10, 31106),

Gene: Nandita\_45 Start: 30585, Stop: 31091, Start Num: 6

Candidate Starts for Nandita\_45:

(1, 30459), (Start: 6 @30585 has 8 MA's),

Gene: Popper\_43 Start: 30514, Stop: 31131, Start Num: 6

Candidate Starts for Popper\_43:  
(Start: 6 @30514 has 8 MA's), (9, 30664), (10, 30847),

Gene: Ryan\_45 Start: 31133, Stop: 31639, Start Num: 6  
Candidate Starts for Ryan\_45:  
(4, 31100), (Start: 6 @31133 has 8 MA's), (9, 31283),

Gene: ToastyOats\_47 Start: 30908, Stop: 31414, Start Num: 6  
Candidate Starts for ToastyOats\_47:  
(4, 30875), (Start: 6 @30908 has 8 MA's),

Gene: Yonex\_45 Start: 31133, Stop: 31639, Start Num: 6  
Candidate Starts for Yonex\_45:  
(4, 31100), (Start: 6 @31133 has 8 MA's), (9, 31283),