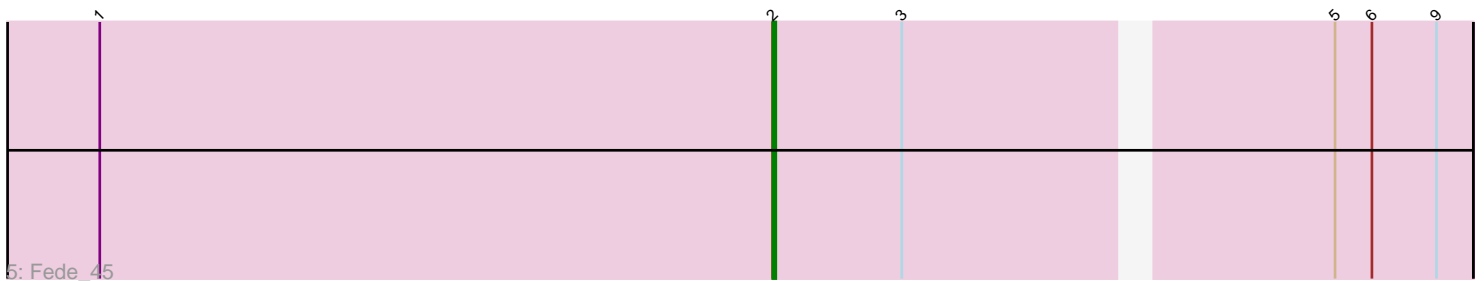
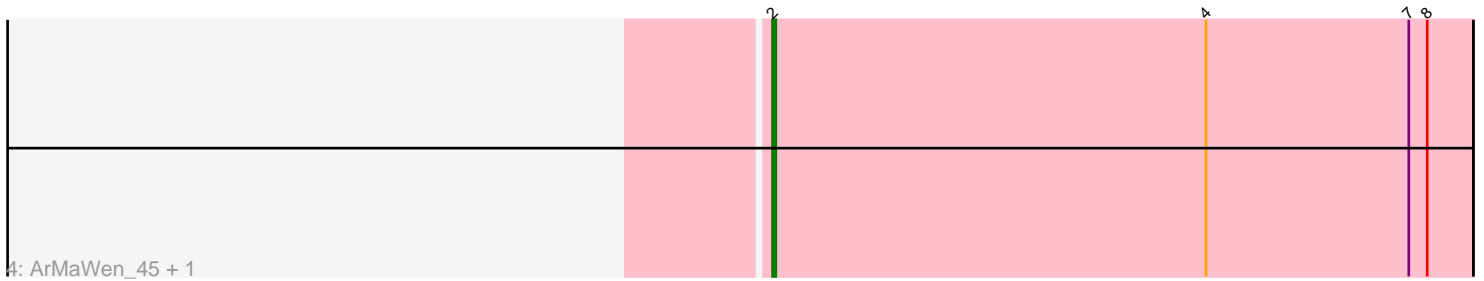
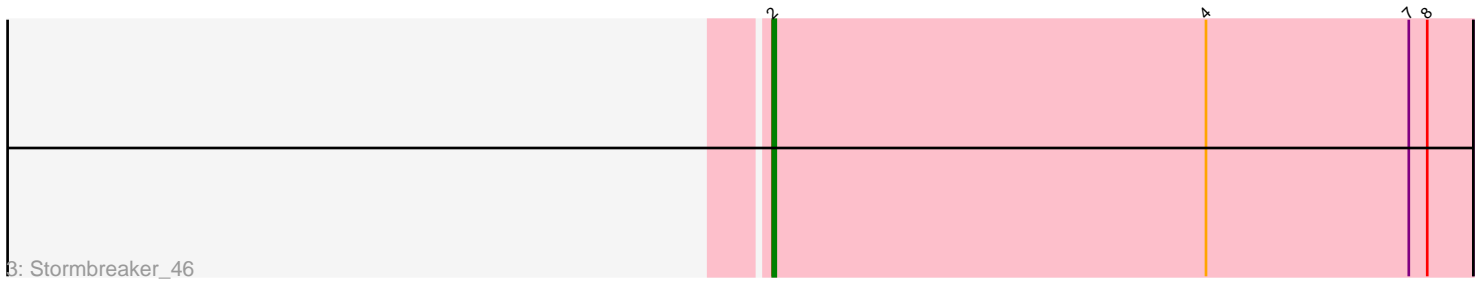
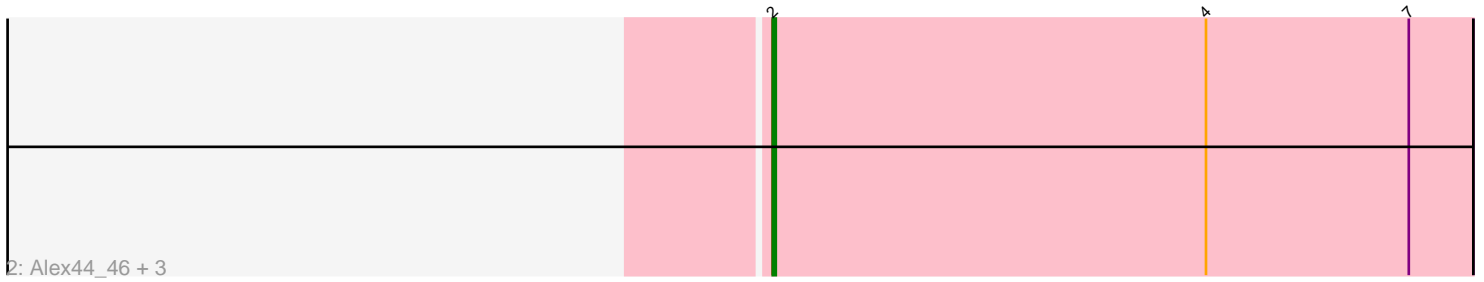
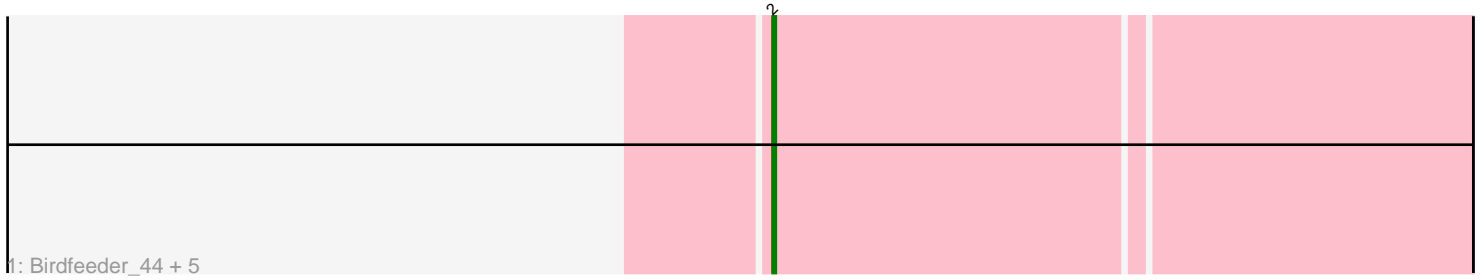


Pham 188540



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 188540 Report

This analysis was run 11/02/24 on database version 579.

Pham number 188540 has 14 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Birdfeeder\_44, BlueRugrat\_45, LesNorah\_46, Corn21\_45, Unphazed\_46, Xitlalli\_44
- Track 2 : Alex44\_46, Phogo\_46, Dashyla\_45, LilyLou\_47
- Track 3 : Stormbreaker\_46
- Track 4 : ArMaWen\_45, DumpQuist\_45
- Track 5 : Fede\_45

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

The start number called the most often in the published annotations is 2, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alex44\_46, ArMaWen\_45, Birdfeeder\_44, BlueRugrat\_45, Corn21\_45, Dashyla\_45, DumpQuist\_45, Fede\_45, LesNorah\_46, LilyLou\_47, Phogo\_46, Stormbreaker\_46, Unphazed\_46, Xitlalli\_44,

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 2:

- Found in 14 of 14 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alex44\_46 (EK1), ArMaWen\_45 (EK1), Birdfeeder\_44 (EK1), BlueRugrat\_45 (EK1), Corn21\_45 (EK1), Dashyla\_45 (EK1), DumpQuist\_45 (EK1), Fede\_45 (EK2), LesNorah\_46 (EK1), LilyLou\_47 (EK1), Phogo\_46 (EK1), Stormbreaker\_46 (EK1), Unphazed\_46 (EK1), Xitlalli\_44 (EK1),

## Summary by clusters:

There are 2 clusters represented in this pham: EK2, EK1,

Info for manual annotations of cluster EK1:

- Start number 2 was manually annotated 13 times for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 2 was manually annotated 1 time for cluster EK2.

### **Gene Information:**

Gene: Alex44\_46 Start: 46219, Stop: 46446, Start Num: 2

Candidate Starts for Alex44\_46:

(Start: 2 @46219 has 14 MA's), (4, 46360), (7, 46426),

Gene: ArMaWen\_45 Start: 45762, Stop: 45989, Start Num: 2

Candidate Starts for ArMaWen\_45:

(Start: 2 @45762 has 14 MA's), (4, 45903), (7, 45969), (8, 45975),

Gene: Birdfeeder\_44 Start: 45975, Stop: 46196, Start Num: 2

Candidate Starts for Birdfeeder\_44:

(Start: 2 @45975 has 14 MA's),

Gene: BlueRugrat\_45 Start: 46199, Stop: 46420, Start Num: 2

Candidate Starts for BlueRugrat\_45:

(Start: 2 @46199 has 14 MA's),

Gene: Corn21\_45 Start: 46277, Stop: 46498, Start Num: 2

Candidate Starts for Corn21\_45:

(Start: 2 @46277 has 14 MA's),

Gene: Dashyla\_45 Start: 45893, Stop: 46120, Start Num: 2

Candidate Starts for Dashyla\_45:

(Start: 2 @45893 has 14 MA's), (4, 46034), (7, 46100),

Gene: DumpQuist\_45 Start: 45747, Stop: 45974, Start Num: 2

Candidate Starts for DumpQuist\_45:

(Start: 2 @45747 has 14 MA's), (4, 45888), (7, 45954), (8, 45960),

Gene: Fede\_45 Start: 46720, Stop: 46935, Start Num: 2

Candidate Starts for Fede\_45:

(1, 46501), (Start: 2 @46720 has 14 MA's), (3, 46762), (5, 46891), (6, 46903), (9, 46924),

Gene: LesNorah\_46 Start: 46596, Stop: 46817, Start Num: 2

Candidate Starts for LesNorah\_46:

(Start: 2 @46596 has 14 MA's),

Gene: LilyLou\_47 Start: 46211, Stop: 46438, Start Num: 2

Candidate Starts for LilyLou\_47:

(Start: 2 @46211 has 14 MA's), (4, 46352), (7, 46418),

Gene: Phogo\_46 Start: 46039, Stop: 46266, Start Num: 2

Candidate Starts for Phogo\_46:

(Start: 2 @46039 has 14 MA's), (4, 46180), (7, 46246),

Gene: Stormbreaker\_46 Start: 46127, Stop: 46354, Start Num: 2

Candidate Starts for Stormbreaker\_46:

(Start: 2 @46127 has 14 MA's), (4, 46268), (7, 46334), (8, 46340),

Gene: Unphazed\_46 Start: 46000, Stop: 46224, Start Num: 2

Candidate Starts for Unphazed\_46:

(Start: 2 @46000 has 14 MA's),

Gene: Xitlalli\_44 Start: 46004, Stop: 46225, Start Num: 2

Candidate Starts for Xitlalli\_44:

(Start: 2 @46004 has 14 MA's),