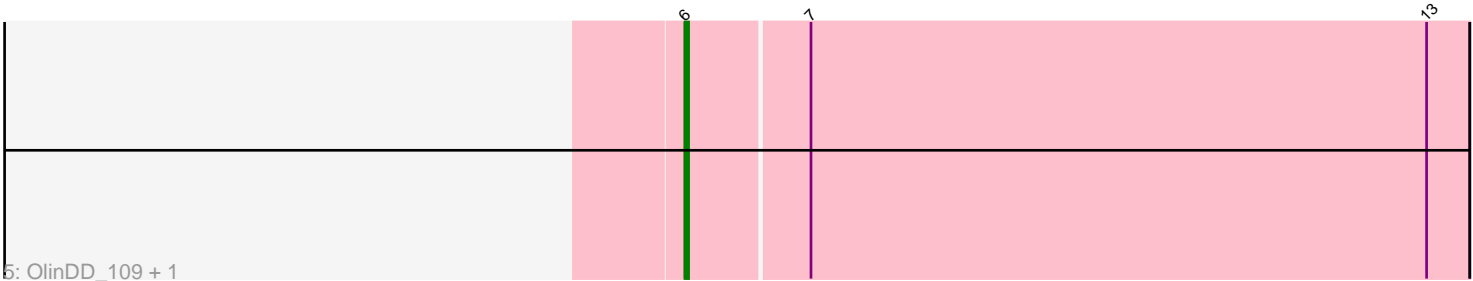
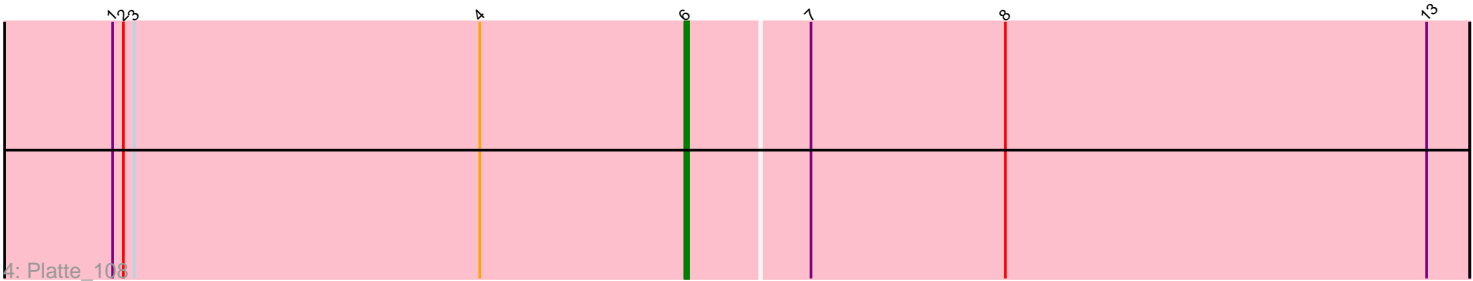
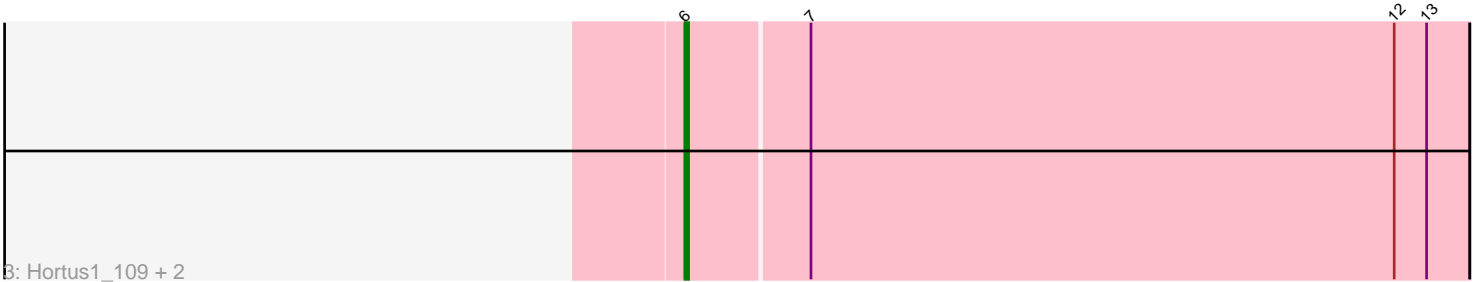
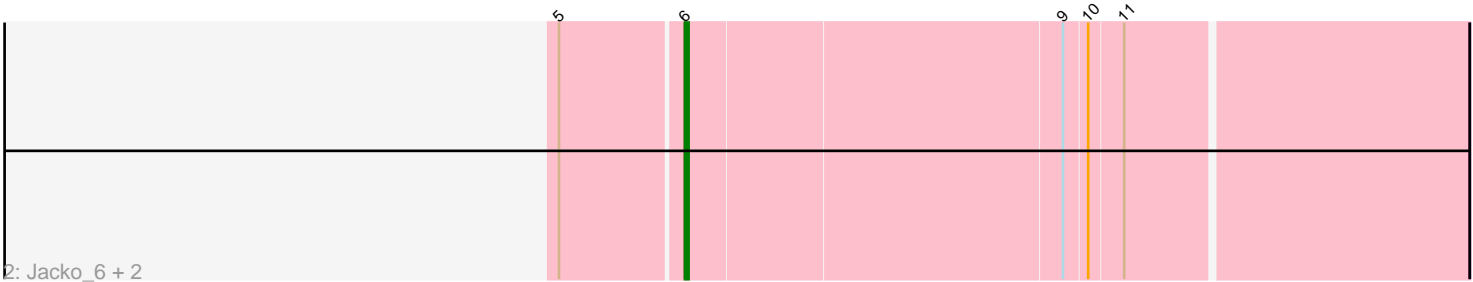
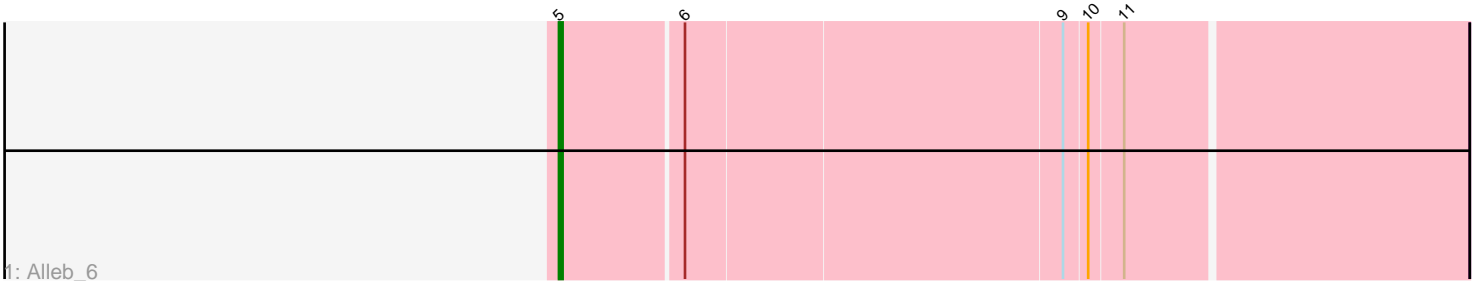


Pham 5476



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 5476 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5476 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Alleb\_6
- Track 2 : Jacko\_6, Jacko\_115, Alleb\_114
- Track 3 : Hortus1\_109, Tandem\_109, Alleb\_106
- Track 4 : Platte\_108
- Track 5 : OlinDD\_109, Pioneer3\_109

### ***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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alleb\_106, Alleb\_114, Hortus1\_109, Jacko\_115, Jacko\_6, OlinDD\_109, Pioneer3\_109, Platte\_108, Tandem\_109,

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

- Alleb\_6,

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

•

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

Start 5:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Alleb\_6 (ED1),

Start 6:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 90.0% of time when present

- Phage (with cluster) where this start called: Alleb\_106 (ED1), Alleb\_114 (ED1), Hortus1\_109 (ED1), Jacko\_115 (ED1), Jacko\_6 (ED1), OlinDD\_109 (ED1), Pioneer3\_109 (ED1), Platte\_108 (ED1), Tandem\_109 (ED1),

### **Summary by clusters:**

There is one cluster represented in this pham: ED1

Info for manual annotations of cluster ED1:

- Start number 5 was manually annotated 1 time for cluster ED1.
- Start number 6 was manually annotated 9 times for cluster ED1.

### **Gene Information:**

Gene: Alleb\_6 Start: 2316, Stop: 2074, Start Num: 5

Candidate Starts for Alleb\_6:

(Start: 5 @2316 has 1 MA's), (Start: 6 @2283 has 9 MA's), (9, 2181), (10, 2175), (11, 2166),

Gene: Alleb\_114 Start: 61762, Stop: 61553, Start Num: 6

Candidate Starts for Alleb\_114:

(Start: 5 @61795 has 1 MA's), (Start: 6 @61762 has 9 MA's), (9, 61660), (10, 61654), (11, 61645),

Gene: Alleb\_106 Start: 58171, Stop: 57956, Start Num: 6

Candidate Starts for Alleb\_106:

(Start: 6 @58171 has 9 MA's), (7, 58138), (12, 57976), (13, 57967),

Gene: Hortus1\_109 Start: 58652, Stop: 58437, Start Num: 6

Candidate Starts for Hortus1\_109:

(Start: 6 @58652 has 9 MA's), (7, 58619), (12, 58457), (13, 58448),

Gene: Jacko\_6 Start: 2115, Stop: 1906, Start Num: 6

Candidate Starts for Jacko\_6:

(Start: 5 @2148 has 1 MA's), (Start: 6 @2115 has 9 MA's), (9, 2013), (10, 2007), (11, 1998),

Gene: Jacko\_115 Start: 60508, Stop: 60299, Start Num: 6

Candidate Starts for Jacko\_115:

(Start: 5 @60541 has 1 MA's), (Start: 6 @60508 has 9 MA's), (9, 60406), (10, 60400), (11, 60391),

Gene: OlinDD\_109 Start: 58657, Stop: 58442, Start Num: 6

Candidate Starts for OlinDD\_109:

(Start: 6 @58657 has 9 MA's), (7, 58624), (13, 58453),

Gene: Pioneer3\_109 Start: 58455, Stop: 58240, Start Num: 6

Candidate Starts for Pioneer3\_109:

(Start: 6 @58455 has 9 MA's), (7, 58422), (13, 58251),

Gene: Platte\_108 Start: 58239, Stop: 58024, Start Num: 6

Candidate Starts for Platte\_108:

(1, 58398), (2, 58395), (3, 58392), (4, 58296), (Start: 6 @58239 has 9 MA's), (7, 58206), (8, 58152), (13, 58035),

Gene: Tandem\_109 Start: 58535, Stop: 58320, Start Num: 6

Candidate Starts for Tandem\_109:

(Start: 6 @58535 has 9 MA's), (7, 58502), (12, 58340), (13, 58331),