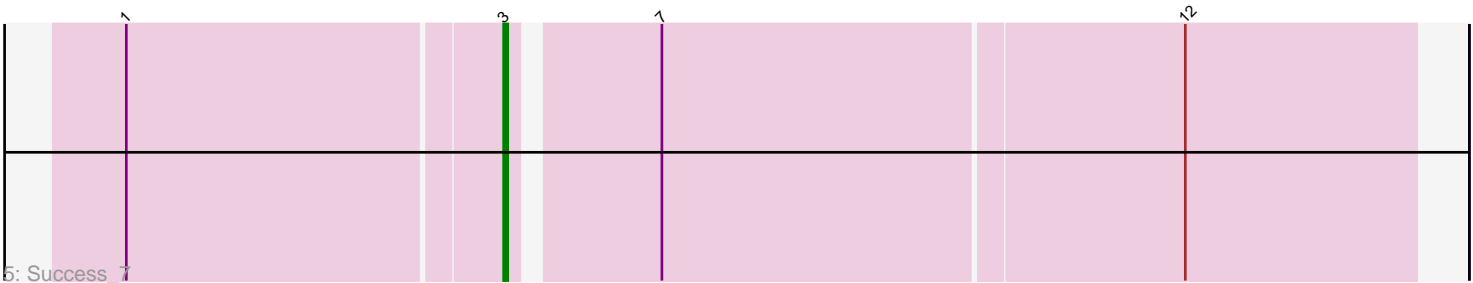
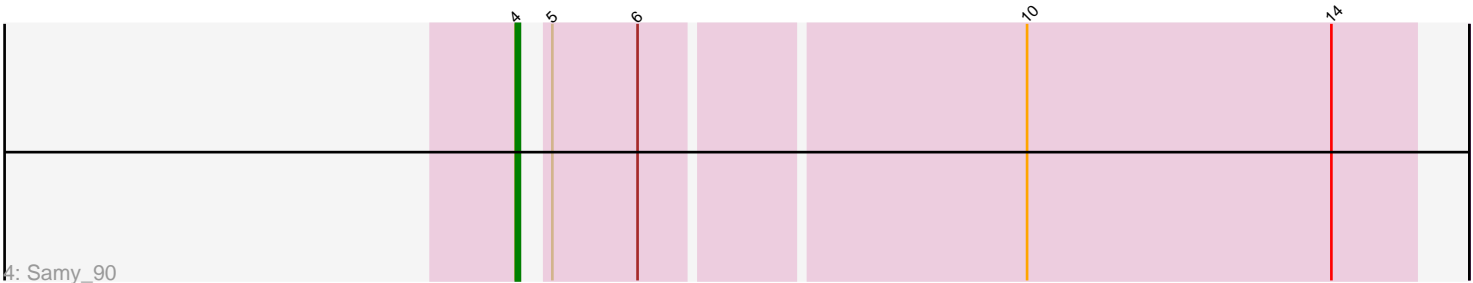
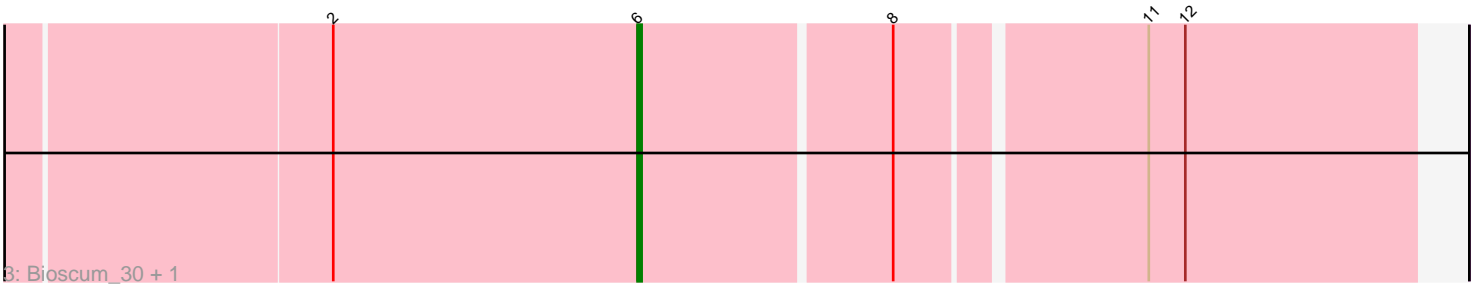
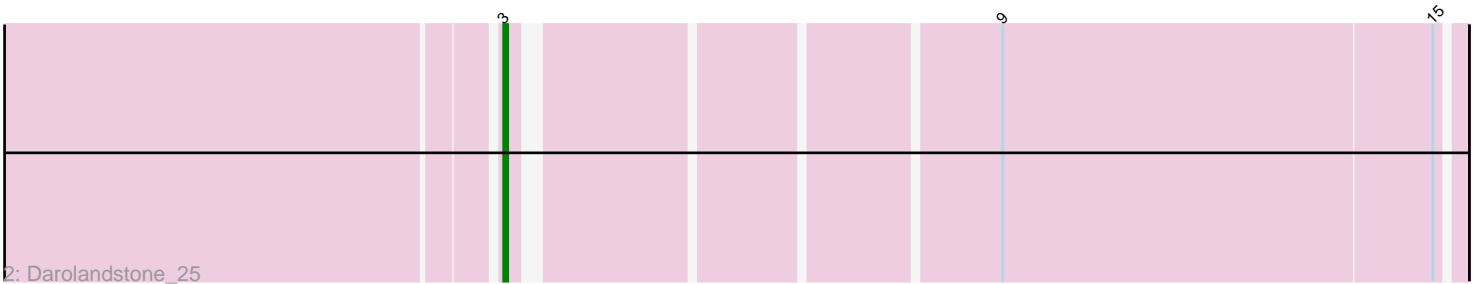
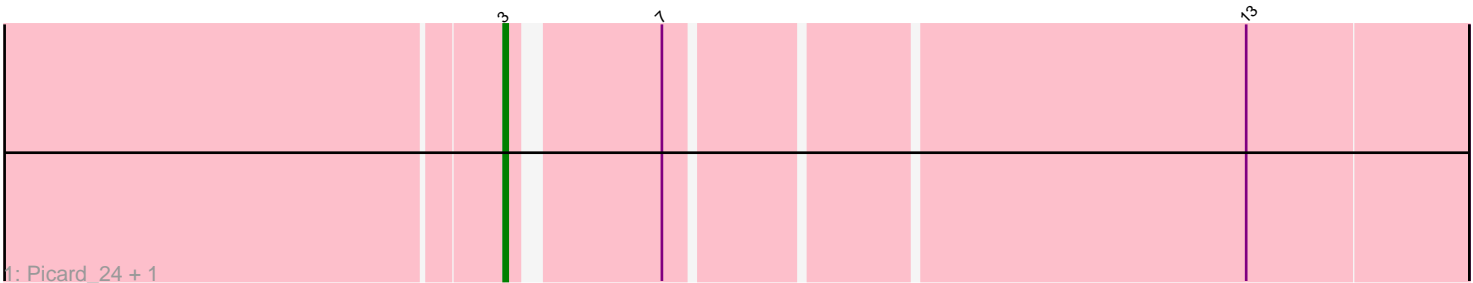


Pham 7369



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 7369 Report

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

Pham number 7369 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Picard\_24, Mojerita\_24
- Track 2 : Darolandstone\_25
- Track 3 : Bioscum\_30, Ididsumtinwong\_30
- Track 4 : Samy\_90
- Track 5 : Success\_7

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Darolandstone\_25, Mojerita\_24, Picard\_24, Success\_7,

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

- 

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

- Bioscum\_30, Ididsumtinwong\_30, Samy\_90,

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

Start 3:

- Found in 4 of 7 ( 57.1% ) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Darolandstone\_25 (BC2), Mojerita\_24 (BC1), Picard\_24 (BC1), Success\_7 (singleton),

Start 4:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Samy\_90 (singleton),

Start 6:

- Found in 3 of 7 ( 42.9% ) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Bioscum\_30 (BC3), Ididsumtinwong\_30 (BC3),

### **Summary by clusters:**

There are 4 clusters represented in this pham: singleton, BC1, BC2, BC3,

Info for manual annotations of cluster BC1:

- Start number 3 was manually annotated 2 times for cluster BC1.

Info for manual annotations of cluster BC2:

- Start number 3 was manually annotated 1 time for cluster BC2.

Info for manual annotations of cluster BC3:

- Start number 6 was manually annotated 2 times for cluster BC3.

### **Gene Information:**

Gene: Bioscum\_30 Start: 20964, Stop: 21146, Start Num: 6

Candidate Starts for Bioscum\_30:

(2, 20889), (Start: 6 @20964 has 2 MA's), (8, 21024), (11, 21081), (12, 21090),

Gene: Darolandstone\_25 Start: 20478, Stop: 20260, Start Num: 3

Candidate Starts for Darolandstone\_25:

(Start: 3 @20478 has 4 MA's), (9, 20370), (15, 20265),

Gene: Ididsumtinwong\_30 Start: 20964, Stop: 21146, Start Num: 6

Candidate Starts for Ididsumtinwong\_30:

(2, 20889), (Start: 6 @20964 has 2 MA's), (8, 21024), (11, 21081), (12, 21090),

Gene: Mojerita\_24 Start: 18043, Stop: 17822, Start Num: 3

Candidate Starts for Mojerita\_24:

(Start: 3 @18043 has 4 MA's), (7, 18010), (13, 17875),

Gene: Picard\_24 Start: 18034, Stop: 17813, Start Num: 3

Candidate Starts for Picard\_24:

(Start: 3 @18034 has 4 MA's), (7, 18001), (13, 17866),

Gene: Samy\_90 Start: 55018, Stop: 54809, Start Num: 4

Candidate Starts for Samy\_90:

(Start: 4 @55018 has 1 MA's), (5, 55015), (Start: 6 @54994 has 2 MA's), (10, 54904), (14, 54829),

Gene: Success\_7 Start: 4283, Stop: 4498, Start Num: 3

Candidate Starts for Success\_7:

(1, 4193), (Start: 3 @4283 has 4 MA's), (7, 4316), (12, 4442),