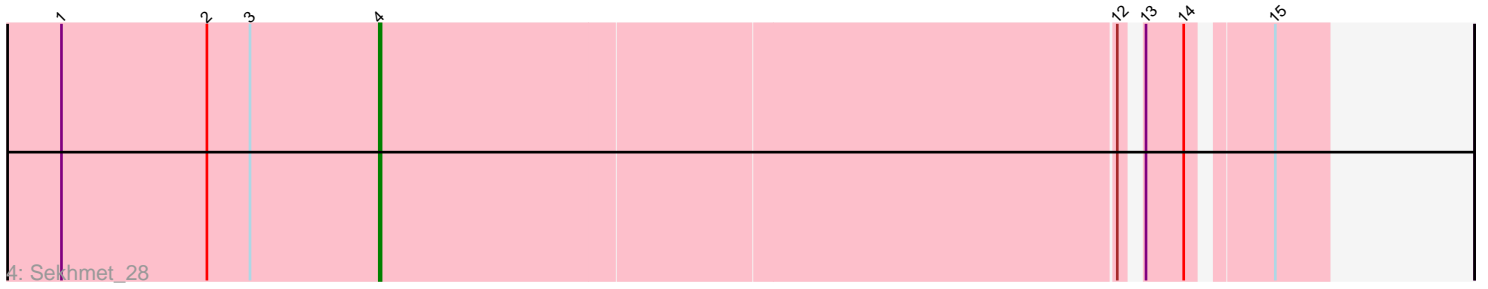
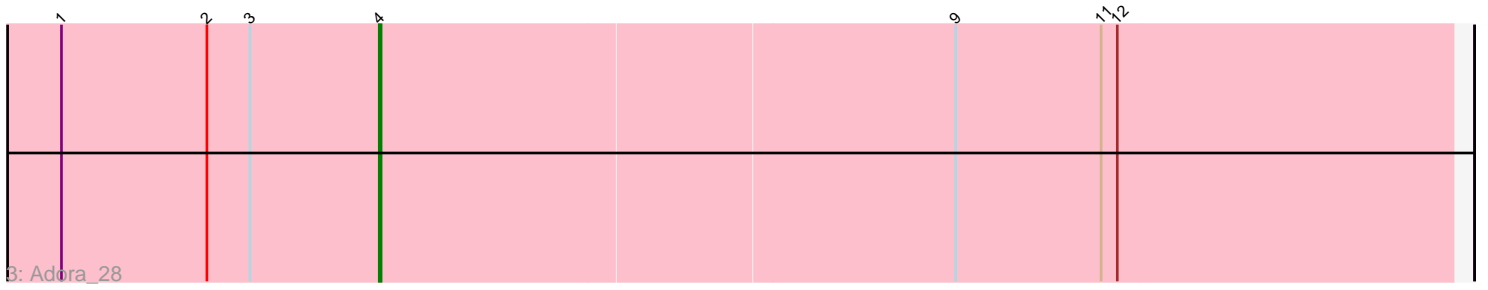
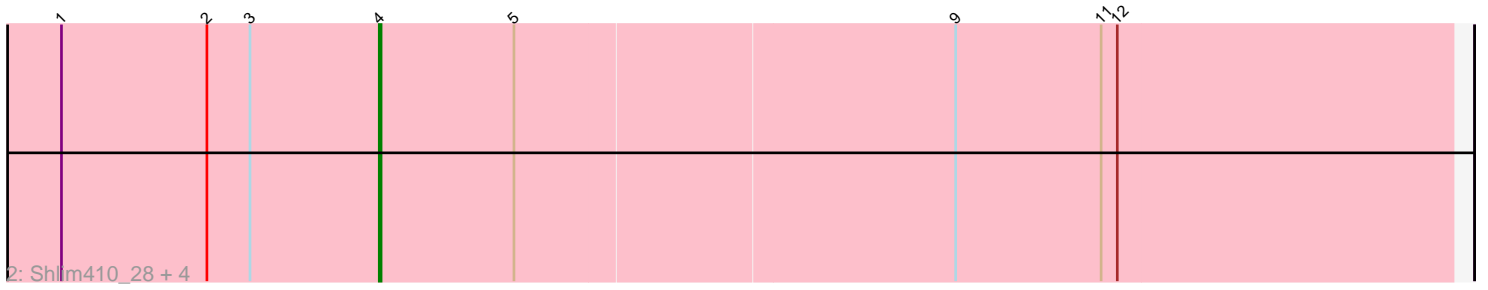
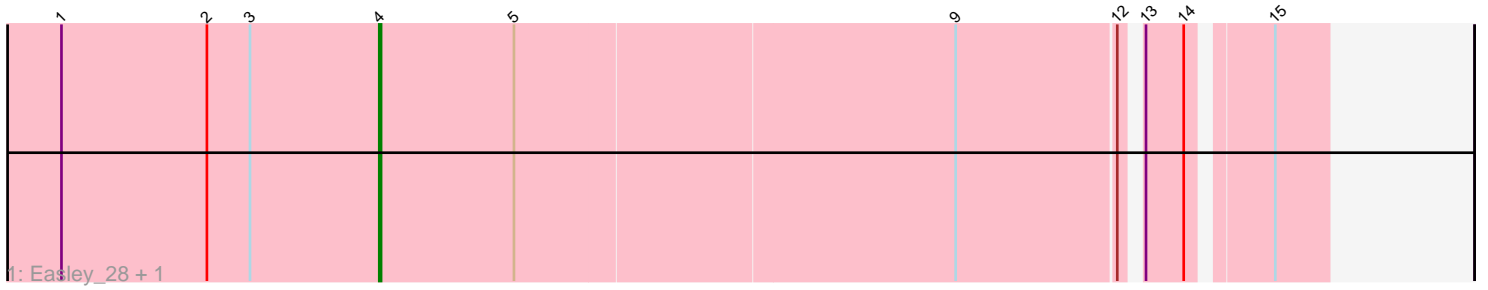


Pham 173430



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 173430 Report

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

Pham number 173430 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Easley\_28, WinkNick\_28
- Track 2 : Shlim410\_28, Twinkle\_28, Hortense\_28, Mcklovin\_28, Howe\_28
- Track 3 : Adora\_28
- Track 4 : Sekhmet\_28
- Track 5 : Gudmit\_27

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

The start number called the most often in the published annotations is 4, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adora\_28, Easley\_28, Gudmit\_27, Hortense\_28, Howe\_28, Mcklovin\_28, Sekhmet\_28, Shlim410\_28, Twinkle\_28, WinkNick\_28,

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 4:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adora\_28 (CZ4), Easley\_28 (CZ4), Gudmit\_27 (singleton), Hortense\_28 (CZ4), Howe\_28 (CZ4), Mcklovin\_28 (CZ4), Sekhmet\_28 (CZ4), Shlim410\_28 (CZ4), Twinkle\_28 (CZ4), WinkNick\_28 (CZ4),

### **Summary by clusters:**

There are 2 clusters represented in this pham: singleton, CZ4,

Info for manual annotations of cluster CZ4:

•Start number 4 was manually annotated 9 times for cluster CZ4.

**Gene Information:**

Gene: Adora\_28 Start: 23842, Stop: 24432, Start Num: 4

Candidate Starts for Adora\_28:

(1, 23665), (2, 23746), (3, 23770), (Start: 4 @23842 has 10 MA's), (9, 24157), (11, 24238), (12, 24247),

Gene: Easley\_28 Start: 23290, Stop: 23787, Start Num: 4

Candidate Starts for Easley\_28:

(1, 23113), (2, 23194), (3, 23218), (Start: 4 @23290 has 10 MA's), (5, 23365), (9, 23605), (12, 23692), (13, 23698), (14, 23719), (15, 23758),

Gene: Gudmit\_27 Start: 21597, Stop: 22205, Start Num: 4

Candidate Starts for Gudmit\_27:

(2, 21501), (3, 21525), (Start: 4 @21597 has 10 MA's), (6, 21678), (7, 21882), (8, 21906), (10, 21969), (14, 22044), (16, 22128), (17, 22176),

Gene: Hortense\_28 Start: 23889, Stop: 24479, Start Num: 4

Candidate Starts for Hortense\_28:

(1, 23712), (2, 23793), (3, 23817), (Start: 4 @23889 has 10 MA's), (5, 23964), (9, 24204), (11, 24285), (12, 24294),

Gene: Howe\_28 Start: 23889, Stop: 24479, Start Num: 4

Candidate Starts for Howe\_28:

(1, 23712), (2, 23793), (3, 23817), (Start: 4 @23889 has 10 MA's), (5, 23964), (9, 24204), (11, 24285), (12, 24294),

Gene: Mcklovin\_28 Start: 26058, Stop: 26648, Start Num: 4

Candidate Starts for Mcklovin\_28:

(1, 25881), (2, 25962), (3, 25986), (Start: 4 @26058 has 10 MA's), (5, 26133), (9, 26373), (11, 26454), (12, 26463),

Gene: Sekhmet\_28 Start: 23658, Stop: 24155, Start Num: 4

Candidate Starts for Sekhmet\_28:

(1, 23481), (2, 23562), (3, 23586), (Start: 4 @23658 has 10 MA's), (12, 24060), (13, 24066), (14, 24087), (15, 24126),

Gene: Shlim410\_28 Start: 23889, Stop: 24479, Start Num: 4

Candidate Starts for Shlim410\_28:

(1, 23712), (2, 23793), (3, 23817), (Start: 4 @23889 has 10 MA's), (5, 23964), (9, 24204), (11, 24285), (12, 24294),

Gene: Twinkle\_28 Start: 24948, Stop: 25538, Start Num: 4

Candidate Starts for Twinkle\_28:

(1, 24771), (2, 24852), (3, 24876), (Start: 4 @24948 has 10 MA's), (5, 25023), (9, 25263), (11, 25344), (12, 25353),

Gene: WinkNick\_28 Start: 23280, Stop: 23777, Start Num: 4

Candidate Starts for WinkNick\_28:

(1, 23103), (2, 23184), (3, 23208), (Start: 4 @23280 has 10 MA's), (5, 23355), (9, 23595), (12, 23682),  
(13, 23688), (14, 23709), (15, 23748),