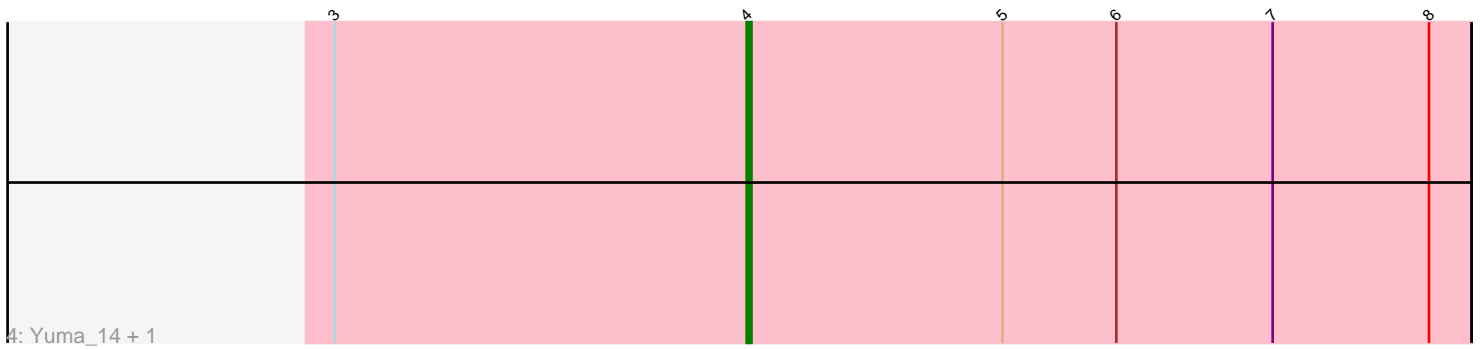
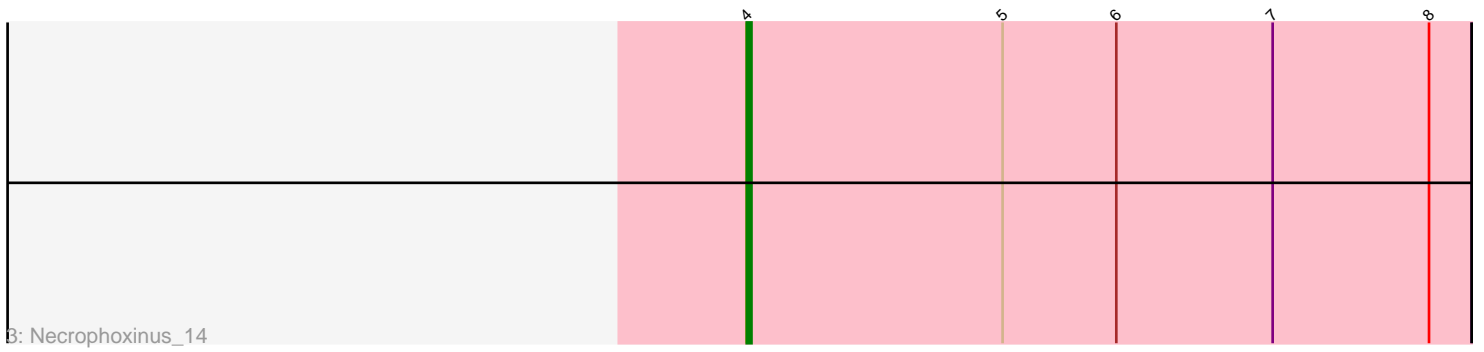
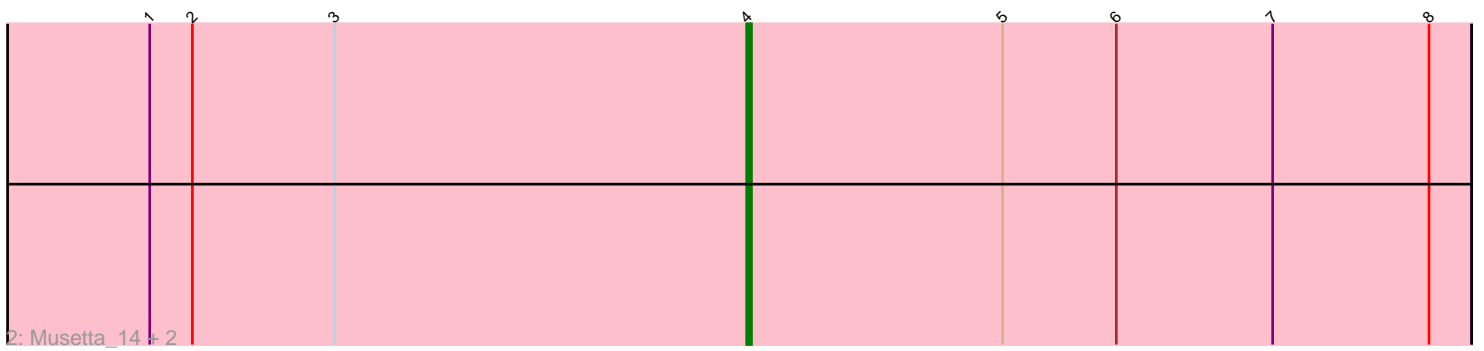
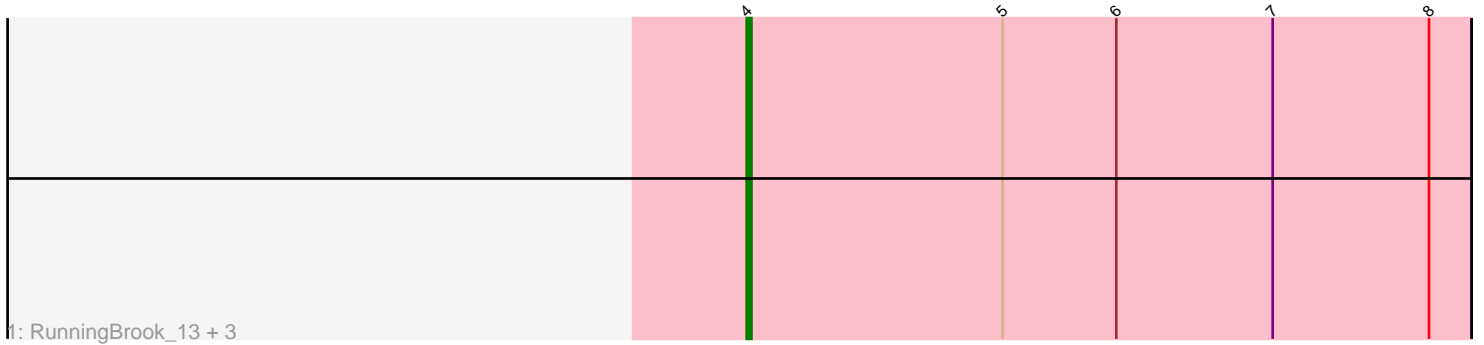


Pham 198610



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 198610 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198610 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : RunningBrook\_13, Lyell\_14, DustyDino\_14, Erenyeager\_11
- Track 2 : Musetta\_14, StevieWelch\_14, Fork\_11
- Track 3 : Necrophoxinus\_14
- Track 4 : Yuma\_14, Welcome\_14

### ***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:

- DustyDino\_14, Erenyeager\_11, Fork\_11, Lyell\_14, Musetta\_14, Necrophoxinus\_14, RunningBrook\_13, StevieWelch\_14, Welcome\_14, Yuma\_14,

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: DustyDino\_14 (ED2), Erenyeager\_11 (ED2), Fork\_11 (ED2), Lyell\_14 (ED2), Musetta\_14 (ED2), Necrophoxinus\_14 (ED2), RunningBrook\_13 (ED2), StevieWelch\_14 (ED2), Welcome\_14 (ED2), Yuma\_14 (ED2),

### **Summary by clusters:**

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:

•Start number 4 was manually annotated 10 times for cluster ED2.

**Gene Information:**

Gene: DustyDino\_14 Start: 5076, Stop: 5228, Start Num: 4

Candidate Starts for DustyDino\_14:

(Start: 4 @5076 has 10 MA's), (5, 5130), (6, 5154), (7, 5187), (8, 5220),

Gene: Erenyeager\_11 Start: 4447, Stop: 4599, Start Num: 4

Candidate Starts for Erenyeager\_11:

(Start: 4 @4447 has 10 MA's), (5, 4501), (6, 4525), (7, 4558), (8, 4591),

Gene: Fork\_11 Start: 4329, Stop: 4481, Start Num: 4

Candidate Starts for Fork\_11:

(1, 4203), (2, 4212), (3, 4242), (Start: 4 @4329 has 10 MA's), (5, 4383), (6, 4407), (7, 4440), (8, 4473),

Gene: Lyell\_14 Start: 4791, Stop: 4943, Start Num: 4

Candidate Starts for Lyell\_14:

(Start: 4 @4791 has 10 MA's), (5, 4845), (6, 4869), (7, 4902), (8, 4935),

Gene: Musetta\_14 Start: 5039, Stop: 5191, Start Num: 4

Candidate Starts for Musetta\_14:

(1, 4913), (2, 4922), (3, 4952), (Start: 4 @5039 has 10 MA's), (5, 5093), (6, 5117), (7, 5150), (8, 5183),

Gene: Necrophoxinus\_14 Start: 5155, Stop: 5307, Start Num: 4

Candidate Starts for Necrophoxinus\_14:

(Start: 4 @5155 has 10 MA's), (5, 5209), (6, 5233), (7, 5266), (8, 5299),

Gene: RunningBrook\_13 Start: 5076, Stop: 5228, Start Num: 4

Candidate Starts for RunningBrook\_13:

(Start: 4 @5076 has 10 MA's), (5, 5130), (6, 5154), (7, 5187), (8, 5220),

Gene: StevieWelch\_14 Start: 4956, Stop: 5108, Start Num: 4

Candidate Starts for StevieWelch\_14:

(1, 4830), (2, 4839), (3, 4869), (Start: 4 @4956 has 10 MA's), (5, 5010), (6, 5034), (7, 5067), (8, 5100),

Gene: Welcome\_14 Start: 5035, Stop: 5187, Start Num: 4

Candidate Starts for Welcome\_14:

(3, 4948), (Start: 4 @5035 has 10 MA's), (5, 5089), (6, 5113), (7, 5146), (8, 5179),

Gene: Yuma\_14 Start: 4938, Stop: 5090, Start Num: 4

Candidate Starts for Yuma\_14:

(3, 4851), (Start: 4 @4938 has 10 MA's), (5, 4992), (6, 5016), (7, 5049), (8, 5082),