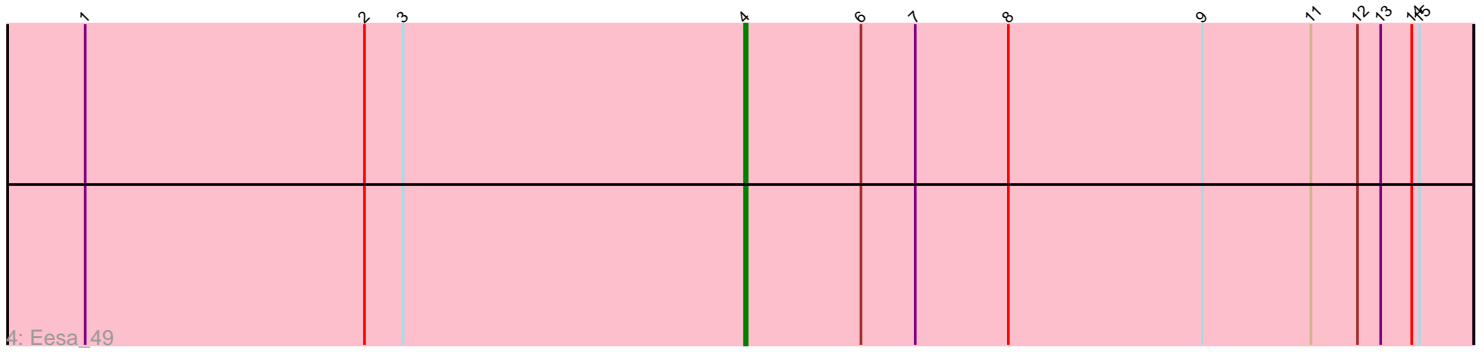
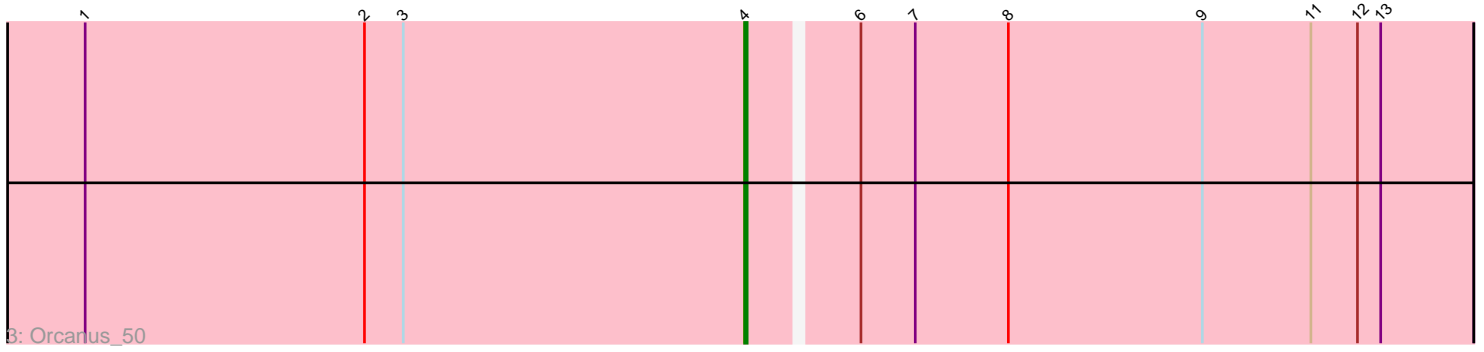
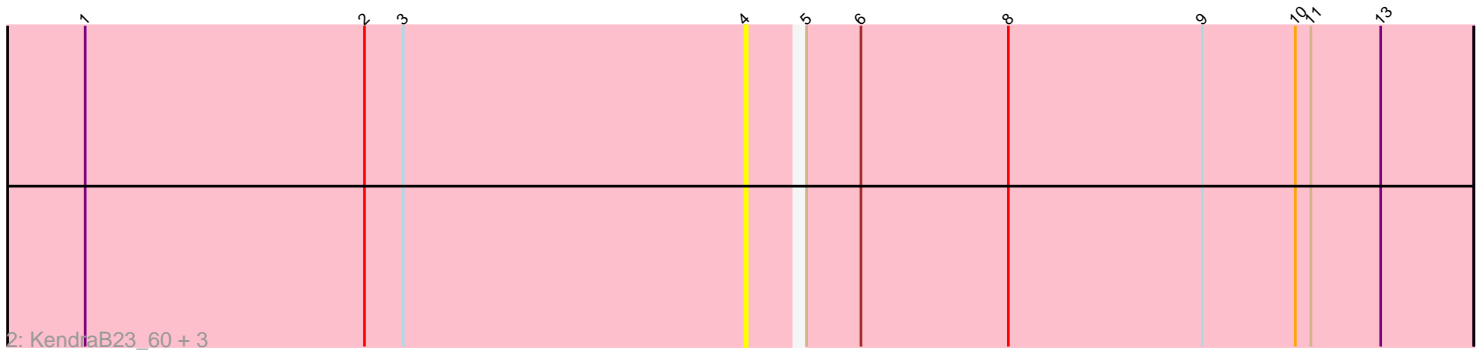
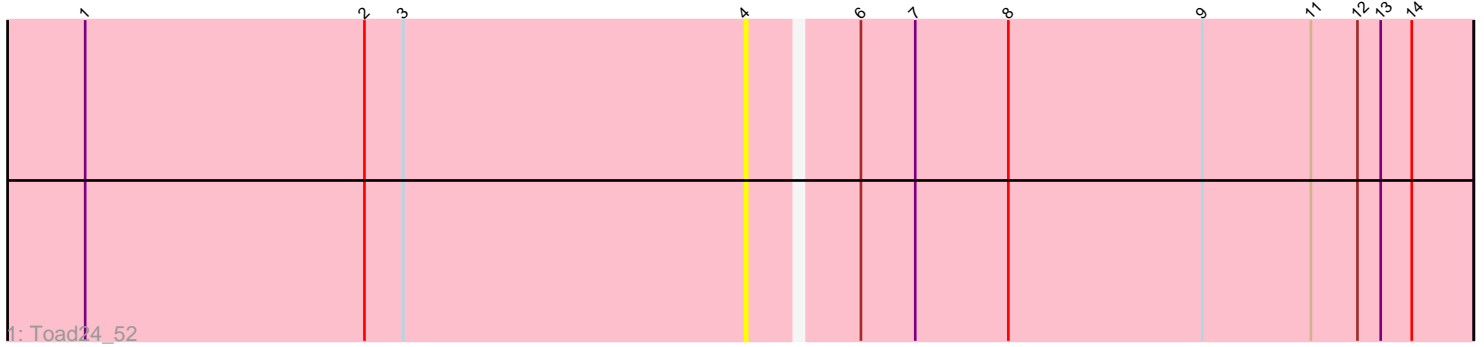


Pham 215019



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 215019 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215019 has 7 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Toad24_52
- Track 2 : KendraB23_60, Gravel_59, Westrich_58, Pelletreau_59
- Track 3 : Orcanus_50
- Track 4 : Eesa_49

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Eesa_49, Gravel_59, KendraB23_60, Orcanus_50, Pelletreau_59, Toad24_52, Westrich_58,

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 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Eesa_49 (AS1), Gravel_59 (AS1), KendraB23_60 (AS1), Orcanus_50 (AS1), Pelletreau_59 (AS1), Toad24_52 (AS1), Westrich_58 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:

•Start number 4 was manually annotated 2 times for cluster AS1.

Gene Information:

Gene: Eesa_49 Start: 33873, Stop: 34154, Start Num: 4

Candidate Starts for Eesa_49:

(1, 33618), (2, 33726), (3, 33741), (Start: 4 @33873 has 2 MA's), (6, 33918), (7, 33939), (8, 33975), (9, 34050), (11, 34092), (12, 34110), (13, 34119), (14, 34131), (15, 34134),

Gene: Gravel_59 Start: 33963, Stop: 34238, Start Num: 4

Candidate Starts for Gravel_59:

(1, 33708), (2, 33816), (3, 33831), (Start: 4 @33963 has 2 MA's), (5, 33981), (6, 34002), (8, 34059), (9, 34134), (10, 34170), (11, 34176), (13, 34203),

Gene: KendraB23_60 Start: 34149, Stop: 34424, Start Num: 4

Candidate Starts for KendraB23_60:

(1, 33894), (2, 34002), (3, 34017), (Start: 4 @34149 has 2 MA's), (5, 34167), (6, 34188), (8, 34245), (9, 34320), (10, 34356), (11, 34362), (13, 34389),

Gene: Orcanus_50 Start: 33532, Stop: 33807, Start Num: 4

Candidate Starts for Orcanus_50:

(1, 33277), (2, 33385), (3, 33400), (Start: 4 @33532 has 2 MA's), (6, 33571), (7, 33592), (8, 33628), (9, 33703), (11, 33745), (12, 33763), (13, 33772),

Gene: Pelletreau_59 Start: 33963, Stop: 34238, Start Num: 4

Candidate Starts for Pelletreau_59:

(1, 33708), (2, 33816), (3, 33831), (Start: 4 @33963 has 2 MA's), (5, 33981), (6, 34002), (8, 34059), (9, 34134), (10, 34170), (11, 34176), (13, 34203),

Gene: Toad24_52 Start: 34202, Stop: 34477, Start Num: 4

Candidate Starts for Toad24_52:

(1, 33947), (2, 34055), (3, 34070), (Start: 4 @34202 has 2 MA's), (6, 34241), (7, 34262), (8, 34298), (9, 34373), (11, 34415), (12, 34433), (13, 34442), (14, 34454),

Gene: Westrich_58 Start: 33887, Stop: 34162, Start Num: 4

Candidate Starts for Westrich_58:

(1, 33632), (2, 33740), (3, 33755), (Start: 4 @33887 has 2 MA's), (5, 33905), (6, 33926), (8, 33983), (9, 34058), (10, 34094), (11, 34100), (13, 34127),