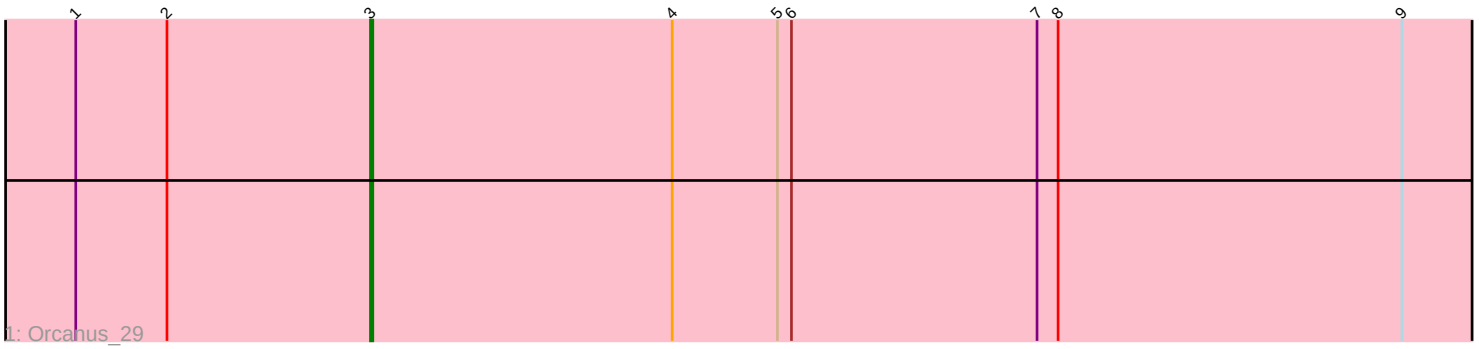
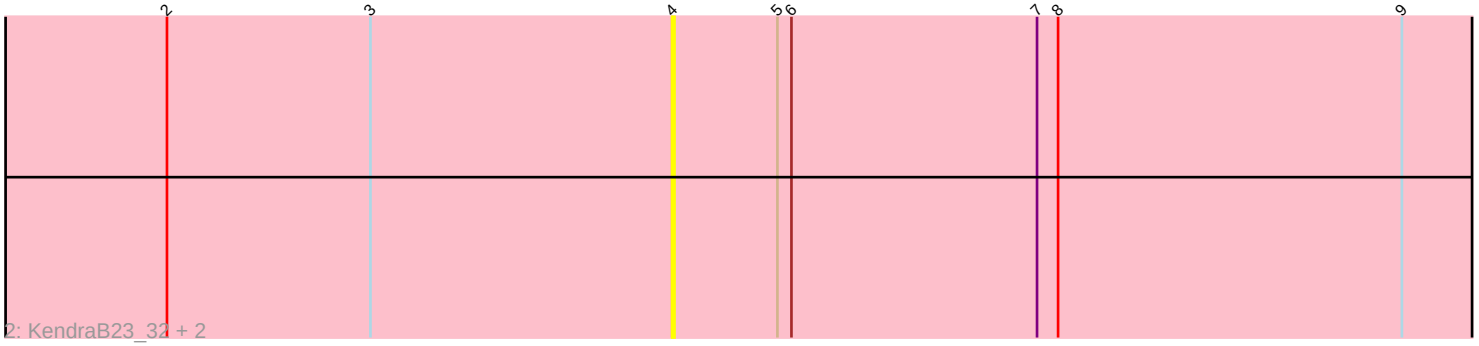
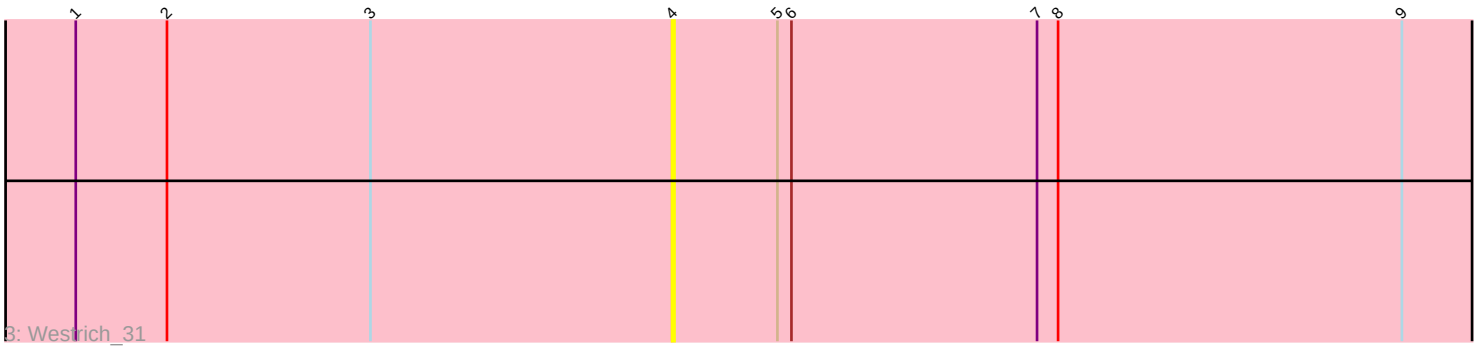
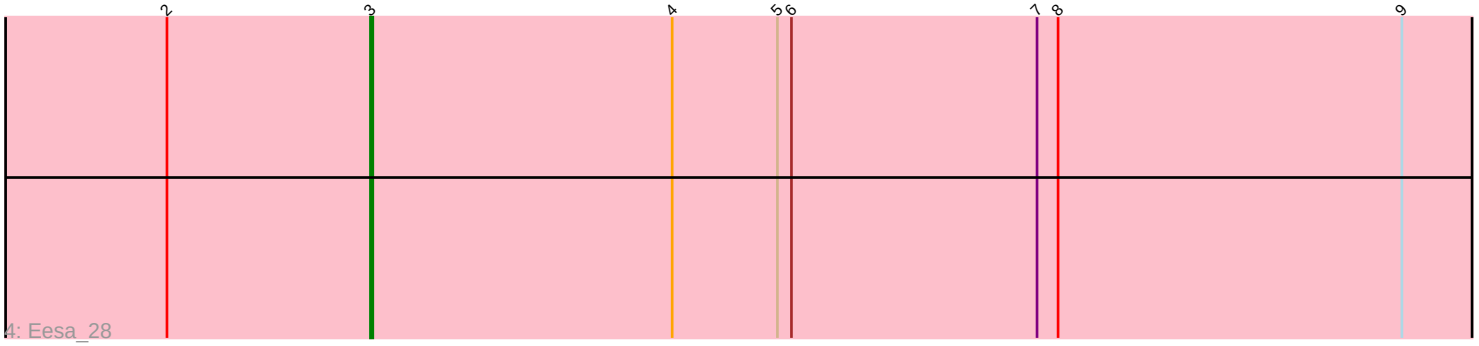
Pham 348403


1
2
3
4
5
6
7
8
9
1: Orcahus_29


2
3
4
5
6
7
8
9
2: KendraB23_32 + 2


1
2
3
4
5
6
7
8
9
3: Westrich_31


2
3
4
5
6
7
8
9
4: Eesa_28

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 348403 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348403 has 6 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Orcanus_29
• Track 2 : KendraB23_32, Gravel_31, Pelletreau_31
• Track 3 : Westrich_31
• Track 4 : Eesa_28

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

Genes that call this "Most Annotated" start:
• Eesa_28, Orcanus_29,

Genes that have the "Most Annotated" start but do not call it:
• Gravel_31, KendraB23_32, Pelletreau_31, Westrich_31,

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

Summary by start number:

Start 3:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Eesa_28 (AS1), Orcanus_29 (AS1),

Start 4:
• Found in 6 of 6 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Gravel_31 (AS1), KendraB23_32 (AS1), Pelletreau_31 (AS1), Westrich_31 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:
•Start number 3 was manually annotated 2 times for cluster AS1.

Gene Information:

Gene: Eesa_28 Start: 22106, Stop: 21612, Start Num: 3
Candidate Starts for Eesa_28:
(2, 22193), (Start: 3 @22106 has 2 MA's), (4, 21977), (5, 21932), (6, 21926), (7, 21821), (8, 21812), (9, 21665),

Gene: Gravel_31 Start: 21946, Stop: 21581, Start Num: 4
Candidate Starts for Gravel_31:
(2, 22162), (Start: 3 @22075 has 2 MA's), (4, 21946), (5, 21901), (6, 21895), (7, 21790), (8, 21781), (9, 21634),

Gene: KendraB23_32 Start: 22134, Stop: 21769, Start Num: 4
Candidate Starts for KendraB23_32:
(2, 22350), (Start: 3 @22263 has 2 MA's), (4, 22134), (5, 22089), (6, 22083), (7, 21978), (8, 21969), (9, 21822),

Gene: Orcanus_29 Start: 21876, Stop: 21382, Start Num: 3
Candidate Starts for Orcanus_29:
(1, 22002), (2, 21963), (Start: 3 @21876 has 2 MA's), (4, 21747), (5, 21702), (6, 21696), (7, 21591), (8, 21582), (9, 21435),

Gene: Pelletreau_31 Start: 21946, Stop: 21581, Start Num: 4
Candidate Starts for Pelletreau_31:
(2, 22162), (Start: 3 @22075 has 2 MA's), (4, 21946), (5, 21901), (6, 21895), (7, 21790), (8, 21781), (9, 21634),

Gene: Westrich_31 Start: 21873, Stop: 21508, Start Num: 4
Candidate Starts for Westrich_31:
(1, 22128), (2, 22089), (Start: 3 @22002 has 2 MA's), (4, 21873), (5, 21828), (6, 21822), (7, 21717), (8, 21708), (9, 21561),