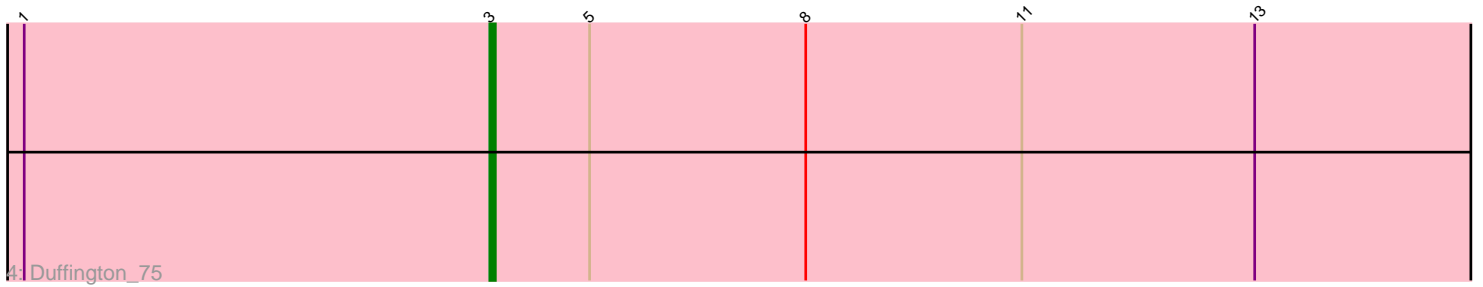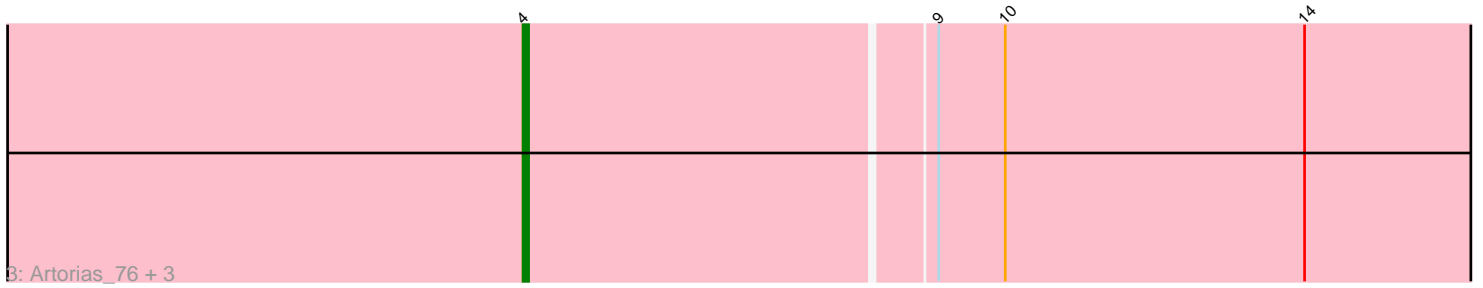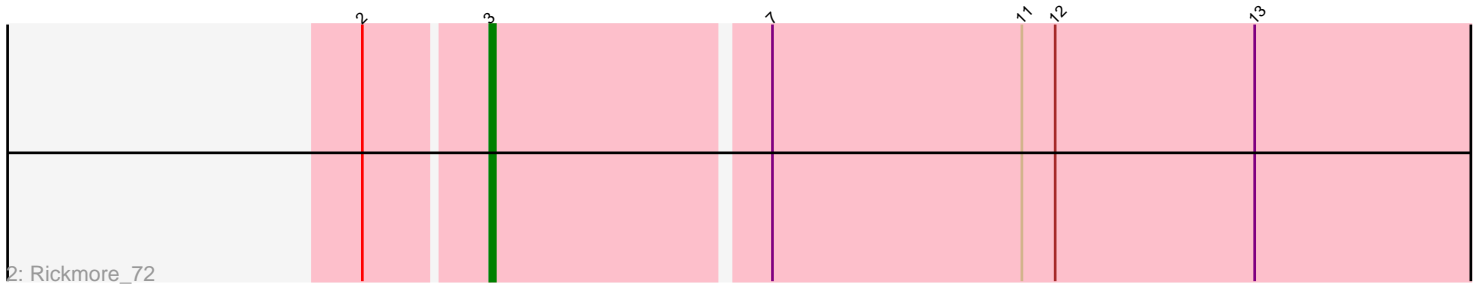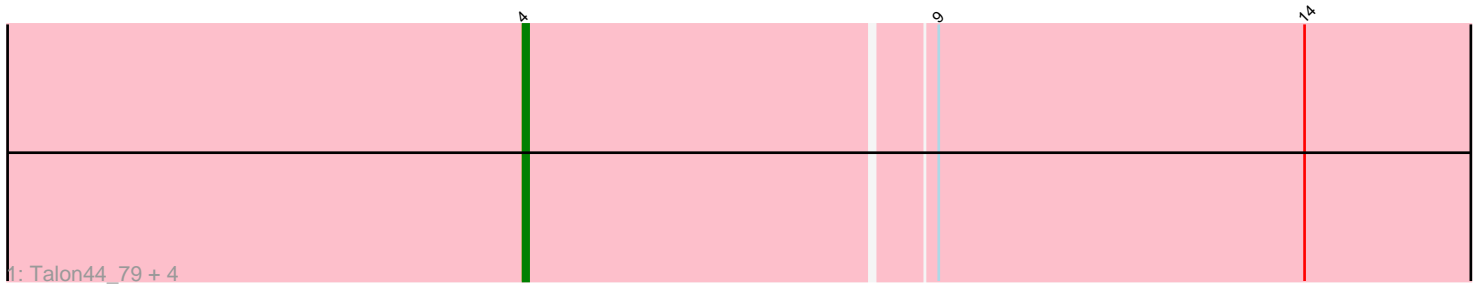# Pham 216739

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 216739 Report

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

Pham number 216739 has 12 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Talon44_79, NoPickles_75, Captrips_75, Avazak_77, JulesRay_78
• Track 2 : Rickmore_72
• Track 3 : Artorias_76, Dancer_79, Trufflozitus_80, FortCran_76
• Track 4 : Duffington_75
• Track 5 : OlgasClover_76


***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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artorias_76, Avazak_77, Captrips_75, Dancer_79, FortCran_76, JulesRay_78, NoPickles_75, Talon44_79, Trufflozitus_80,

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

Genes that do not have the "Most Annotated" start:
• Duffington_75, OlgasClover_76, Rickmore_72,

**Summary by start number:**

Start 3:
• Found in 3 of 12 ( 25.0% ) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Duffington_75 (DJ), OlgasClover_76 (DJ), Rickmore_72 (DJ),

Start 4:
• Found in 9 of 12 ( 75.0% ) 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: Artorias_76 (DJ), Avazak_77 (DJ), Captrips_75 (DJ), Dancer_79 (DJ), FortCran_76 (DJ), JulesRay_78 (DJ), NoPickles_75 (DJ), Talon44_79 (DJ), Trufflozitus_80 (DJ),

## Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 3 was manually annotated 3 times for cluster DJ.
•Start number 4 was manually annotated 4 times for cluster DJ.

## *Gene Information:*

Gene: Artorias_76 Start: 50584, Stop: 50784, Start Num: 4
Candidate Starts for Artorias_76:
(Start: 4 @50584 has 4 MA's), (9, 50656), (10, 50668), (14, 50722),

Gene: Avazak_77 Start: 51266, Stop: 51466, Start Num: 4
Candidate Starts for Avazak_77:
(Start: 4 @51266 has 4 MA's), (9, 51338), (14, 51404),

Gene: Captrips_75 Start: 50414, Stop: 50614, Start Num: 4
Candidate Starts for Captrips_75:
(Start: 4 @50414 has 4 MA's), (9, 50486), (14, 50552),

Gene: Dancer_79 Start: 50321, Stop: 50521, Start Num: 4
Candidate Starts for Dancer_79:
(Start: 4 @50321 has 4 MA's), (9, 50393), (10, 50405), (14, 50459),

Gene: Duffington_75 Start: 51276, Stop: 51485, Start Num: 3
Candidate Starts for Duffington_75:
(1, 51192), (Start: 3 @51276 has 3 MA's), (5, 51294), (8, 51333), (11, 51372), (13, 51414),

Gene: FortCran_76 Start: 50584, Stop: 50784, Start Num: 4
Candidate Starts for FortCran_76:
(Start: 4 @50584 has 4 MA's), (9, 50656), (10, 50668), (14, 50722),

Gene: JulesRay_78 Start: 50933, Stop: 51133, Start Num: 4
Candidate Starts for JulesRay_78:
(Start: 4 @50933 has 4 MA's), (9, 51005), (14, 51071),

Gene: NoPickles_75 Start: 50100, Stop: 50300, Start Num: 4
Candidate Starts for NoPickles_75:
(Start: 4 @50100 has 4 MA's), (9, 50172), (14, 50238),

Gene: OlgasClover_76 Start: 51866, Stop: 52075, Start Num: 3
Candidate Starts for OlgasClover_76:
(Start: 3 @51866 has 3 MA's), (6, 51899), (8, 51923), (11, 51962), (12, 51968), (13, 52004),

Gene: Rickmore_72 Start: 49453, Stop: 49659, Start Num: 3

Candidate Starts for Rickmore_72:
(2, 49432), (Start: 3 @49453 has 3 MA's), (7, 49501), (11, 49546), (12, 49552), (13, 49588),

Gene: Talon44_79 Start: 51052, Stop: 51252, Start Num: 4
Candidate Starts for Talon44_79:
(Start: 4 @51052 has 4 MA's), (9, 51124), (14, 51190),

Gene: Trufflozitus_80 Start: 50937, Stop: 51137, Start Num: 4
Candidate Starts for Trufflozitus_80:
(Start: 4 @50937 has 4 MA's), (9, 51009), (10, 51021), (14, 51075),