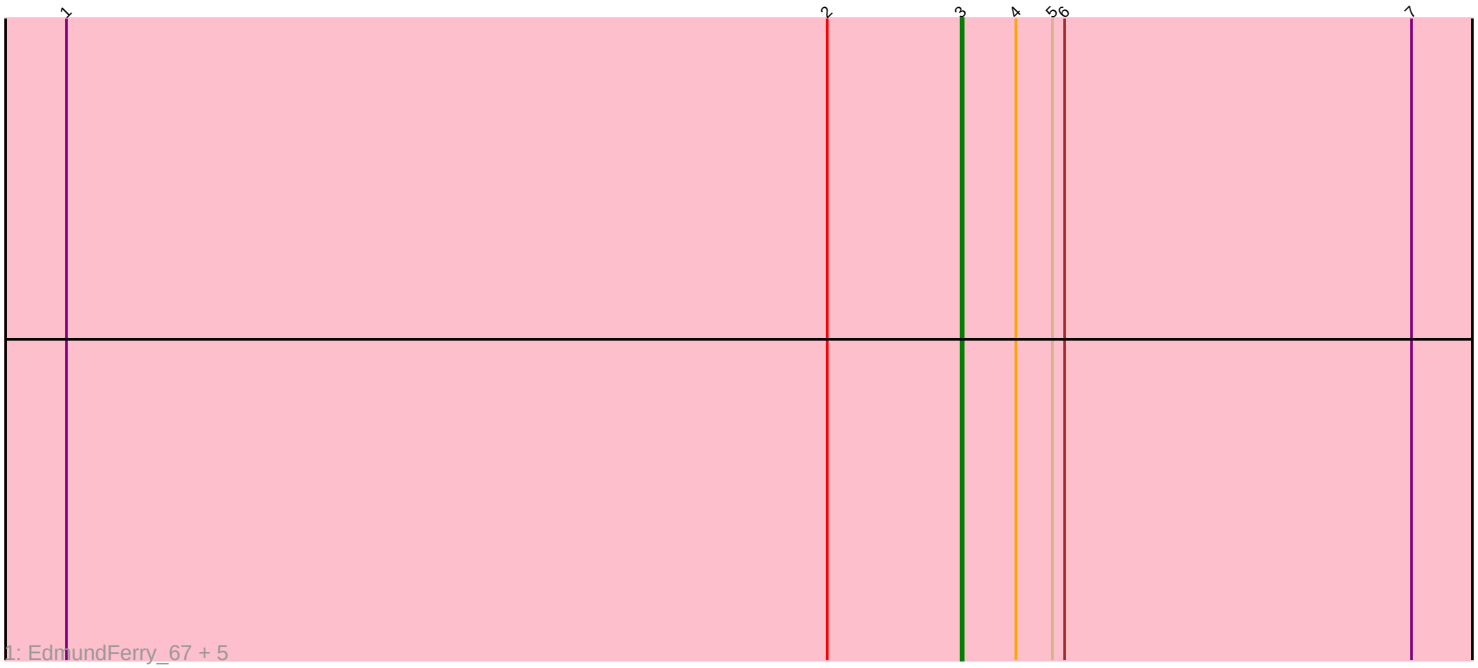
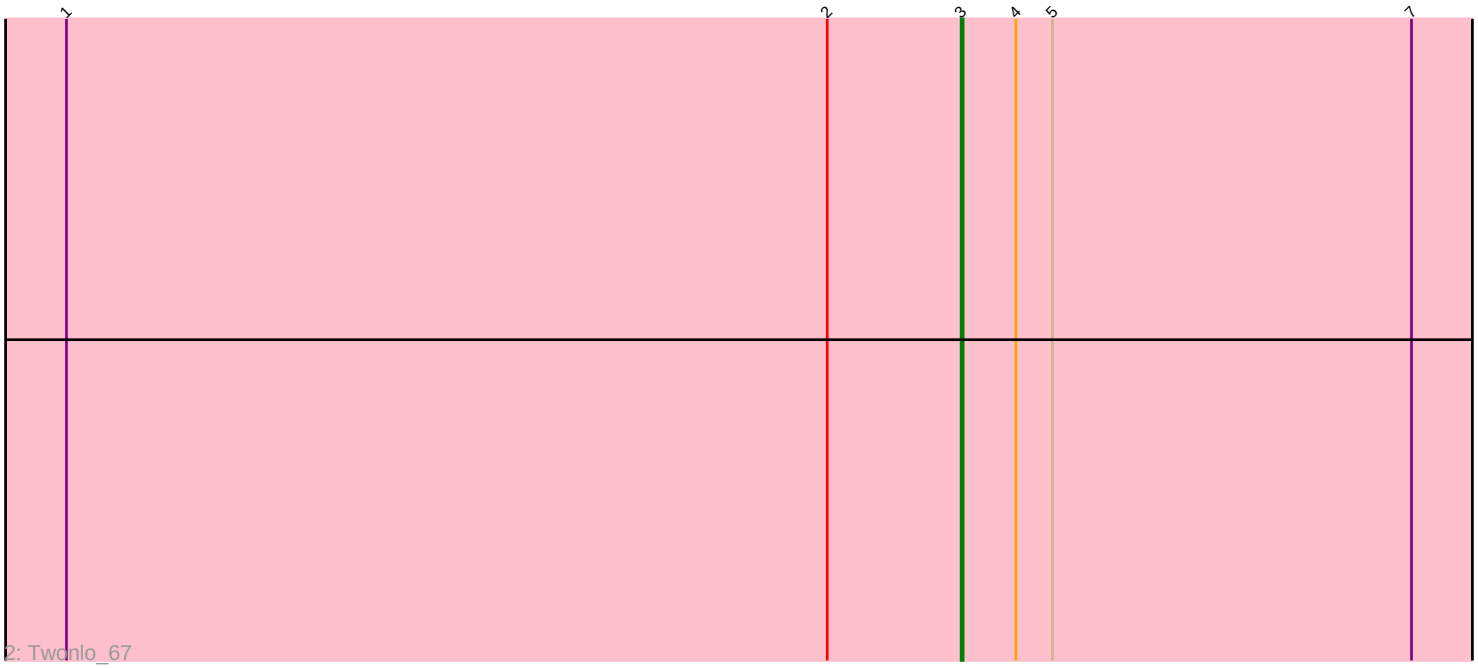
Pham 158453





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 158453 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158453 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : EdmundFerry_67, GTE6_70, RoadKill_66, Chickadee_69, Kwekel_69, Tiamoceli_68
• Track 2 : Twonlo_67

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chickadee_69, EdmundFerry_67, GTE6_70, Kwekel_69, RoadKill_66, Tiamoceli_68, Twonlo_67,

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 3:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickadee_69 (DE3), EdmundFerry_67 (DE3), GTE6_70 (DE3), Kwekel_69 (DE3), RoadKill_66 (DE3), Tiamoceli_68 (DE3), Twonlo_67 (DE3),

Summary by clusters:

There is one cluster represented in this pham: DE3

Info for manual annotations of cluster DE3:

•Start number 3 was manually annotated 5 times for cluster DE3.

Gene Information:

Gene: Chickadee_69 Start: 49954, Stop: 50208, Start Num: 3
Candidate Starts for Chickadee_69:
(1, 49513), (2, 49888), (Start: 3 @49954 has 5 MA's), (4, 49981), (5, 49999), (6, 50005), (7, 50176),

Gene: EdmundFerry_67 Start: 49502, Stop: 49756, Start Num: 3
Candidate Starts for EdmundFerry_67:
(1, 49061), (2, 49436), (Start: 3 @49502 has 5 MA's), (4, 49529), (5, 49547), (6, 49553), (7, 49724),

Gene: GTE6_70 Start: 50747, Stop: 51001, Start Num: 3
Candidate Starts for GTE6_70:
(1, 50306), (2, 50681), (Start: 3 @50747 has 5 MA's), (4, 50774), (5, 50792), (6, 50798), (7, 50969),

Gene: Kwekel_69 Start: 49867, Stop: 50121, Start Num: 3
Candidate Starts for Kwekel_69:
(1, 49426), (2, 49801), (Start: 3 @49867 has 5 MA's), (4, 49894), (5, 49912), (6, 49918), (7, 50089),

Gene: RoadKill_66 Start: 49372, Stop: 49626, Start Num: 3
Candidate Starts for RoadKill_66:
(1, 48931), (2, 49306), (Start: 3 @49372 has 5 MA's), (4, 49399), (5, 49417), (6, 49423), (7, 49594),

Gene: Tiamoceli_68 Start: 50834, Stop: 51088, Start Num: 3
Candidate Starts for Tiamoceli_68:
(1, 50393), (2, 50768), (Start: 3 @50834 has 5 MA's), (4, 50861), (5, 50879), (6, 50885), (7, 51056),

Gene: Twonlo_67 Start: 49926, Stop: 50180, Start Num: 3
Candidate Starts for Twonlo_67:
(1, 49485), (2, 49860), (Start: 3 @49926 has 5 MA's), (4, 49953), (5, 49971), (7, 50148),