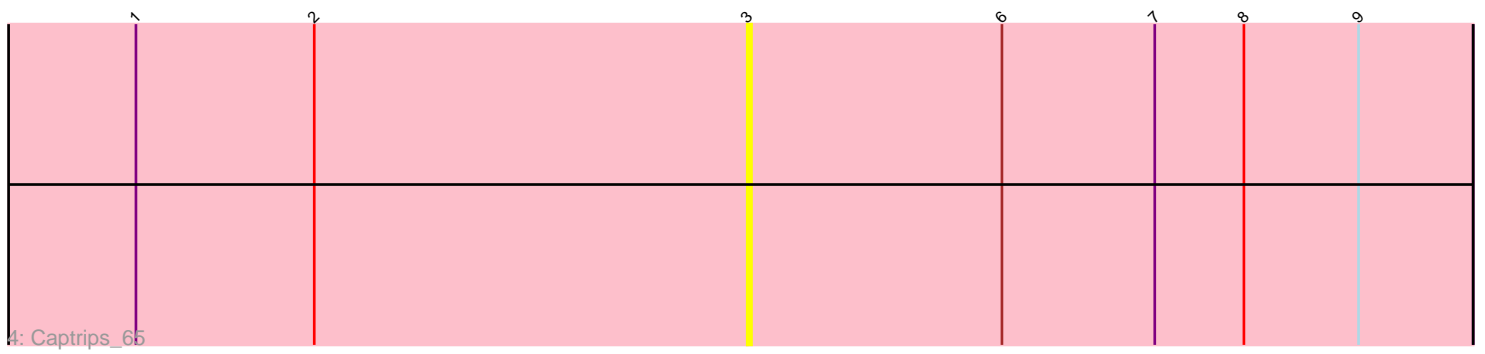
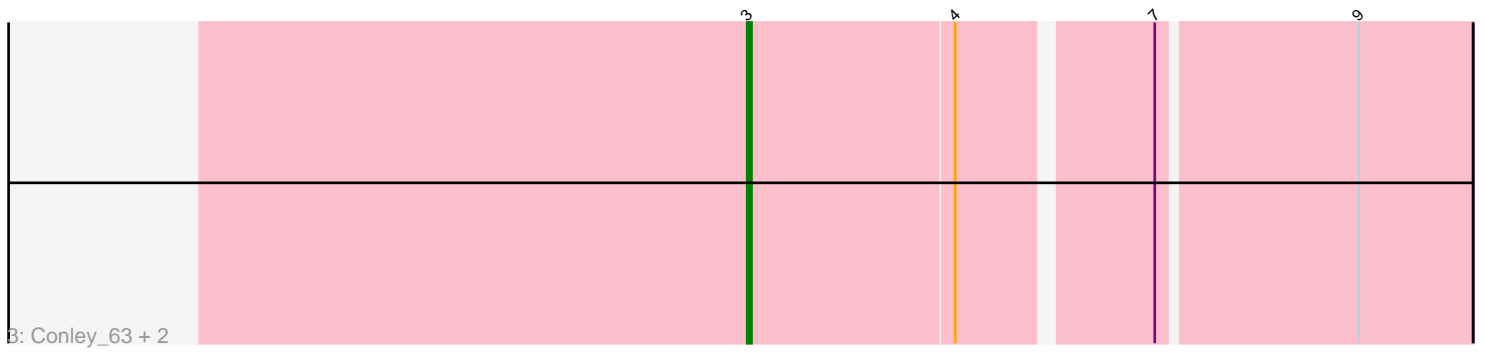
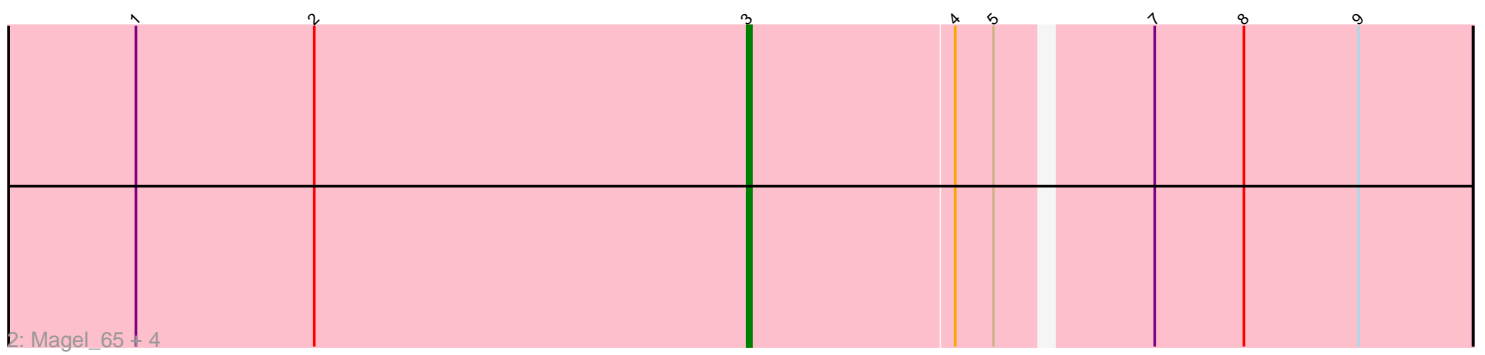
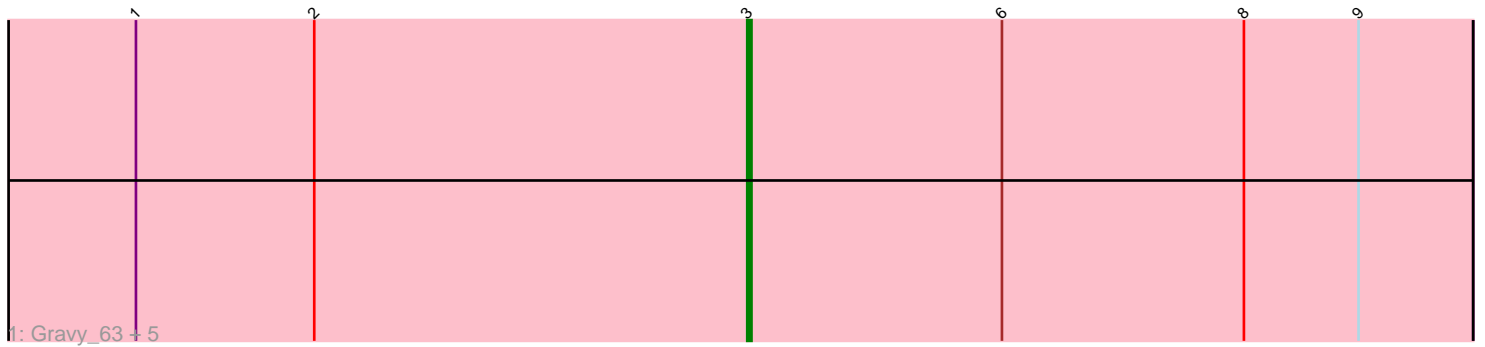


Pham 27951



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 27951 Report

This analysis was run 04/28/24 on database version 559.

Pham number 27951 has 15 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Gravy_63, Kerry_63, Capybara_64, Artorias_64, FortCran_68, Avazak_65
- Track 2 : Magel_65, Gill_64, Odesza_63, Roney_64, Tanis_64
- Track 3 : Conley_63, Petite_65, Perkunas_67
- Track 4 : Captrips_65

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_64, Avazak_65, Captrips_65, Capybara_64, Conley_63, FortCran_68, Gill_64, Gravy_63, Kerry_63, Magel_65, Odesza_63, Perkunas_67, Petite_65, Roney_64, Tanis_64,

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 15 of 15 (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: Artorias_64 (DJ), Avazak_65 (DJ), Captrips_65 (DJ), Capybara_64 (DJ), Conley_63 (DJ), FortCran_68 (DJ), Gill_64 (DJ), Gravy_63 (DJ), Kerry_63 (DJ), Magel_65 (DJ), Odesza_63 (DJ), Perkunas_67 (DJ), Petite_65 (DJ), Roney_64 (DJ), Tanis_64 (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 10 times for cluster DJ.

Gene Information:

Gene: Artorias_64 Start: 46343, Stop: 46513, Start Num: 3

Candidate Starts for Artorias_64:

(1, 46199), (2, 46241), (Start: 3 @46343 has 10 MA's), (6, 46403), (8, 46460), (9, 46487),

Gene: Avazak_65 Start: 46670, Stop: 46840, Start Num: 3

Candidate Starts for Avazak_65:

(1, 46526), (2, 46568), (Start: 3 @46670 has 10 MA's), (6, 46730), (8, 46787), (9, 46814),

Gene: Captrips_65 Start: 45818, Stop: 45988, Start Num: 3

Candidate Starts for Captrips_65:

(1, 45674), (2, 45716), (Start: 3 @45818 has 10 MA's), (6, 45878), (7, 45914), (8, 45935), (9, 45962),

Gene: Capybara_64 Start: 46149, Stop: 46319, Start Num: 3

Candidate Starts for Capybara_64:

(1, 46005), (2, 46047), (Start: 3 @46149 has 10 MA's), (6, 46209), (8, 46266), (9, 46293),

Gene: Conley_63 Start: 46913, Stop: 47074, Start Num: 3

Candidate Starts for Conley_63:

(Start: 3 @46913 has 10 MA's), (4, 46961), (7, 47003), (9, 47048),

Gene: FortCran_68 Start: 46343, Stop: 46513, Start Num: 3

Candidate Starts for FortCran_68:

(1, 46199), (2, 46241), (Start: 3 @46343 has 10 MA's), (6, 46403), (8, 46460), (9, 46487),

Gene: Gill_64 Start: 46167, Stop: 46331, Start Num: 3

Candidate Starts for Gill_64:

(1, 46023), (2, 46065), (Start: 3 @46167 has 10 MA's), (4, 46215), (5, 46224), (7, 46257), (8, 46278), (9, 46305),

Gene: Gravy_63 Start: 45839, Stop: 46009, Start Num: 3

Candidate Starts for Gravy_63:

(1, 45695), (2, 45737), (Start: 3 @45839 has 10 MA's), (6, 45899), (8, 45956), (9, 45983),

Gene: Kerry_63 Start: 45839, Stop: 46009, Start Num: 3

Candidate Starts for Kerry_63:

(1, 45695), (2, 45737), (Start: 3 @45839 has 10 MA's), (6, 45899), (8, 45956), (9, 45983),

Gene: Magel_65 Start: 46082, Stop: 46246, Start Num: 3

Candidate Starts for Magel_65:

(1, 45938), (2, 45980), (Start: 3 @46082 has 10 MA's), (4, 46130), (5, 46139), (7, 46172), (8, 46193), (9, 46220),

Gene: Odesza_63 Start: 46026, Stop: 46190, Start Num: 3

Candidate Starts for Odesza_63:

(1, 45882), (2, 45924), (Start: 3 @46026 has 10 MA's), (4, 46074), (5, 46083), (7, 46116), (8, 46137), (9, 46164),

Gene: Perkunas_67 Start: 46414, Stop: 46575, Start Num: 3

Candidate Starts for Perkunas_67:

(Start: 3 @46414 has 10 MA's), (4, 46462), (7, 46504), (9, 46549),

Gene: Petito_65 Start: 47584, Stop: 47745, Start Num: 3

Candidate Starts for Petito_65:

(Start: 3 @47584 has 10 MA's), (4, 47632), (7, 47674), (9, 47719),

Gene: Roney_64 Start: 46192, Stop: 46356, Start Num: 3

Candidate Starts for Roney_64:

(1, 46048), (2, 46090), (Start: 3 @46192 has 10 MA's), (4, 46240), (5, 46249), (7, 46282), (8, 46303), (9, 46330),

Gene: Tanis_64 Start: 46012, Stop: 46176, Start Num: 3

Candidate Starts for Tanis_64:

(1, 45868), (2, 45910), (Start: 3 @46012 has 10 MA's), (4, 46060), (5, 46069), (7, 46102), (8, 46123), (9, 46150),