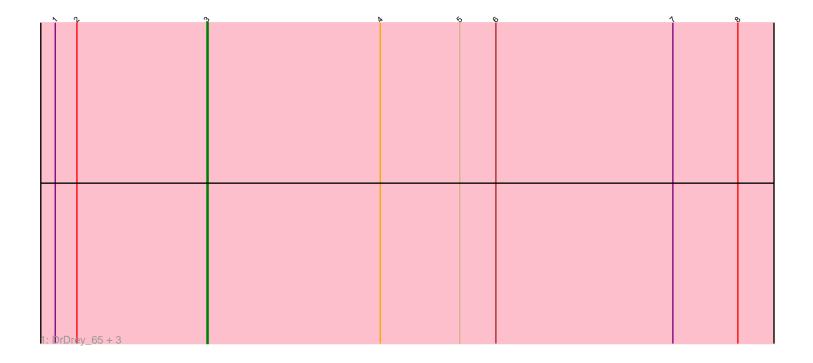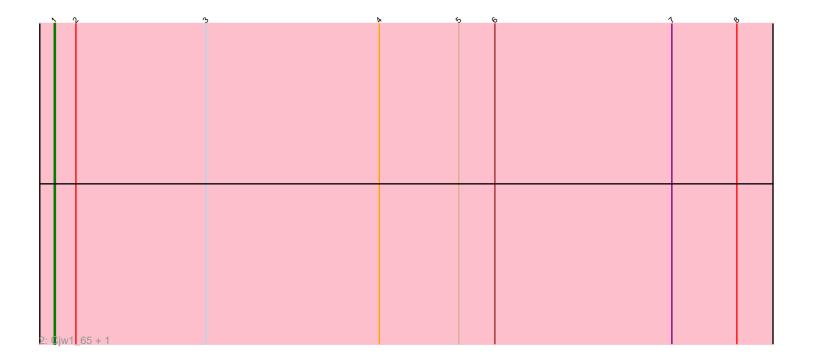# Pham 107117

1: DrDrey_65 + 3

2: Cjw1_65 + 1

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 107117 Report

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

Pham number 107117 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : DrDrey_65, Contagion_61, xkcd_68, Phrux_62
• Track 2 : Cjw1_65, Murphy_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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Contagion_61, DrDrey_65, Phrux_62, xkcd_68,

Genes that have the "Most Annotated" start but do not call it:
• Cjw1_65, Murphy_65,

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

Summary by start number:

Start 1:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Cjw1_65 (E), Murphy_65 (E),

Start 3:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Contagion_61 (E), DrDrey_65 (E), Phrux_62 (E), xkcd_68 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 1 was manually annotated 2 times for cluster E.
•Start number 3 was manually annotated 4 times for cluster E.

Gene Information:

Gene: Cjw1_65 Start: 44339, Stop: 44941, Start Num: 1
Candidate Starts for Cjw1_65:
(Start: 1 @44339 has 2 MA's), (2, 44357), (Start: 3 @44465 has 4 MA's), (4, 44609), (5, 44675), (6, 44705), (7, 44852), (8, 44906),

Gene: Contagion_61 Start: 42565, Stop: 43041, Start Num: 3
Candidate Starts for Contagion_61:
(Start: 1 @42439 has 2 MA's), (2, 42457), (Start: 3 @42565 has 4 MA's), (4, 42709), (5, 42775), (6, 42805), (7, 42952), (8, 43006),

Gene: DrDrey_65 Start: 44193, Stop: 44669, Start Num: 3
Candidate Starts for DrDrey_65:
(Start: 1 @44067 has 2 MA's), (2, 44085), (Start: 3 @44193 has 4 MA's), (4, 44337), (5, 44403), (6, 44433), (7, 44580), (8, 44634),

Gene: Murphy_65 Start: 43528, Stop: 44130, Start Num: 1
Candidate Starts for Murphy_65:
(Start: 1 @43528 has 2 MA's), (2, 43546), (Start: 3 @43654 has 4 MA's), (4, 43798), (5, 43864), (6, 43894), (7, 44041), (8, 44095),

Gene: Phrux_62 Start: 42852, Stop: 43328, Start Num: 3
Candidate Starts for Phrux_62:
(Start: 1 @42726 has 2 MA's), (2, 42744), (Start: 3 @42852 has 4 MA's), (4, 42996), (5, 43062), (6, 43092), (7, 43239), (8, 43293),

Gene: xkcd_68 Start: 44402, Stop: 44878, Start Num: 3
Candidate Starts for xkcd_68:
(Start: 1 @44276 has 2 MA's), (2, 44294), (Start: 3 @44402 has 4 MA's), (4, 44546), (5, 44612), (6, 44642), (7, 44789), (8, 44843),