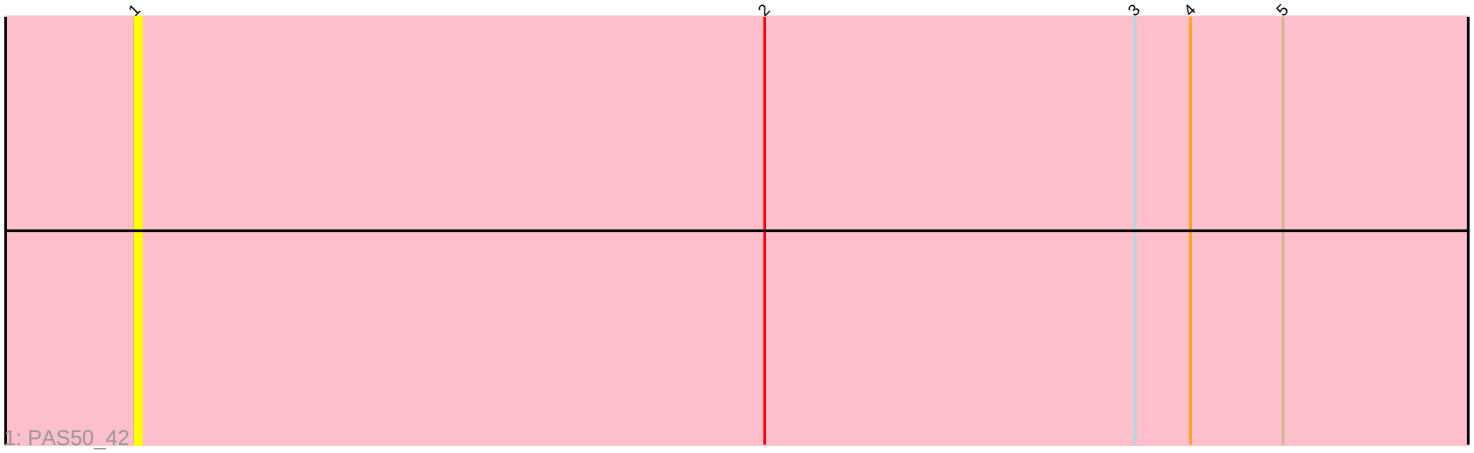
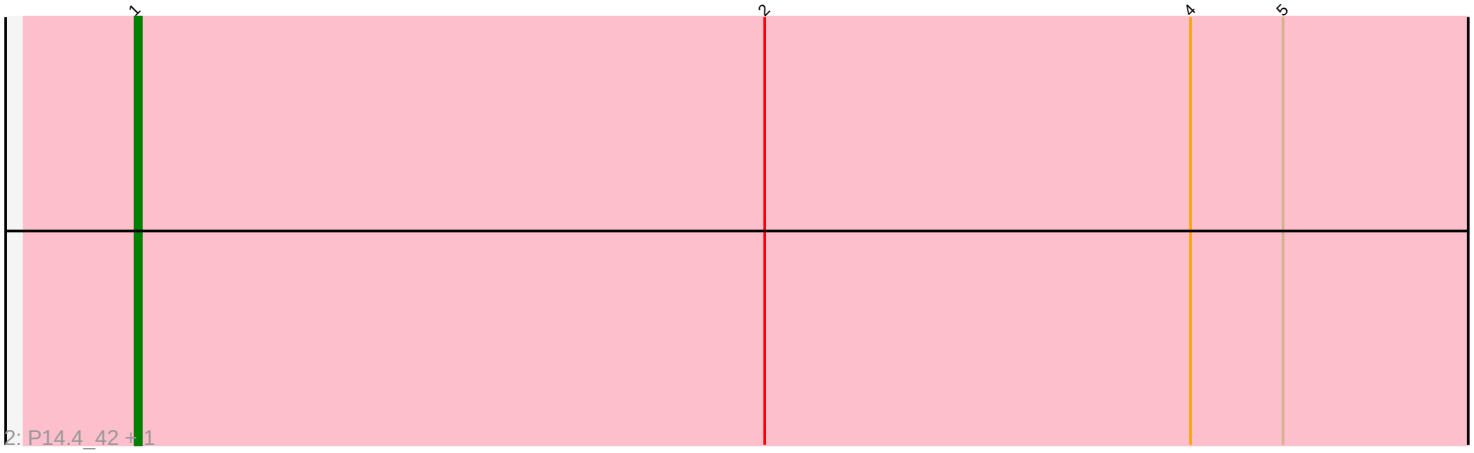
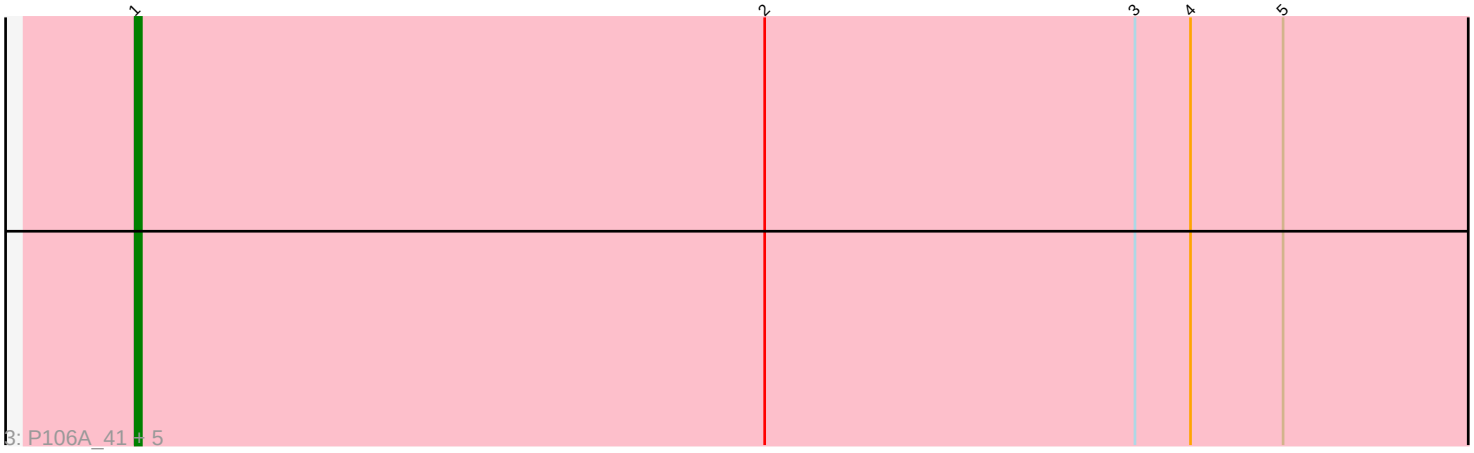
Pham 87614







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 87614 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87614 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : PAS50_42
• Track 2 : P14.4_42, PA6_42
• Track 3 : P106A_41, PHL060L00_41, P106M_41, P106L_41, P106I_41, P106C_42

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• P106A_41, P106C_42, P106I_41, P106L_41, P106M_41, P14.4_42, PA6_42, PAS50_42, PHL060L00_41,

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 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: P106A_41 (BU), P106C_42 (BU), P106I_41 (BU), P106L_41 (BU), P106M_41 (BU), P14.4_42 (BU), PA6_42 (BU), PAS50_42 (BU), PHL060L00_41 (BU),

Summary by clusters:

There is one cluster represented in this pham: BU

Info for manual annotations of cluster BU:

•Start number 1 was manually annotated 6 times for cluster BU.

Gene Information:

Gene: P106A_41 Start: 26578, Stop: 26291, Start Num: 1
Candidate Starts for P106A_41:
(Start: 1 @26578 has 6 MA's), (2, 26476), (3, 26416), (4, 26407), (5, 26392),

Gene: P106C_42 Start: 26494, Stop: 26207, Start Num: 1
Candidate Starts for P106C_42:
(Start: 1 @26494 has 6 MA's), (2, 26392), (3, 26332), (4, 26323), (5, 26308),

Gene: P106I_41 Start: 26323, Stop: 26036, Start Num: 1
Candidate Starts for P106I_41:
(Start: 1 @26323 has 6 MA's), (2, 26221), (3, 26161), (4, 26152), (5, 26137),

Gene: P106L_41 Start: 26494, Stop: 26207, Start Num: 1
Candidate Starts for P106L_41:
(Start: 1 @26494 has 6 MA's), (2, 26392), (3, 26332), (4, 26323), (5, 26308),

Gene: P106M_41 Start: 26494, Stop: 26207, Start Num: 1
Candidate Starts for P106M_41:
(Start: 1 @26494 has 6 MA's), (2, 26392), (3, 26332), (4, 26323), (5, 26308),

Gene: P14.4_42 Start: 26494, Stop: 26207, Start Num: 1
Candidate Starts for P14.4_42:
(Start: 1 @26494 has 6 MA's), (2, 26392), (4, 26323), (5, 26308),

Gene: PA6_42 Start: 26493, Stop: 26206, Start Num: 1
Candidate Starts for PA6_42:
(Start: 1 @26493 has 6 MA's), (2, 26391), (4, 26322), (5, 26307),

Gene: PAS50_42 Start: 26492, Stop: 26208, Start Num: 1
Candidate Starts for PAS50_42:
(Start: 1 @26492 has 6 MA's), (2, 26390), (3, 26330), (4, 26321), (5, 26306),

Gene: PHL060L00_41 Start: 26322, Stop: 26035, Start Num: 1
Candidate Starts for PHL060L00_41:
(Start: 1 @26322 has 6 MA's), (2, 26220), (3, 26160), (4, 26151), (5, 26136),