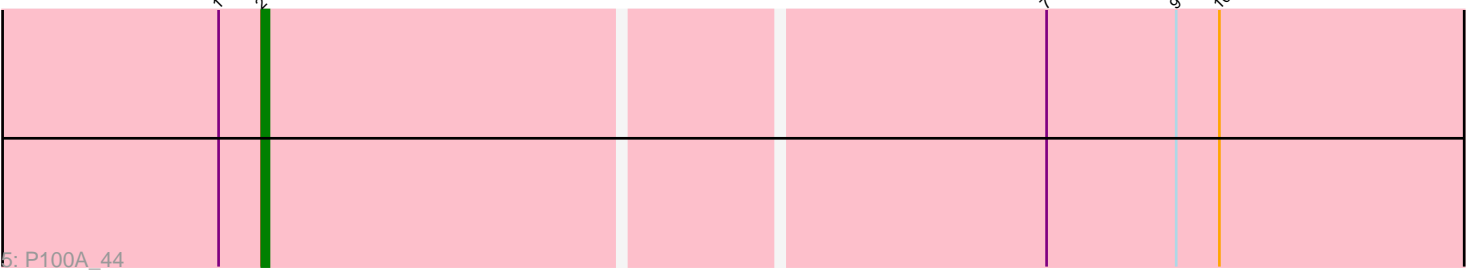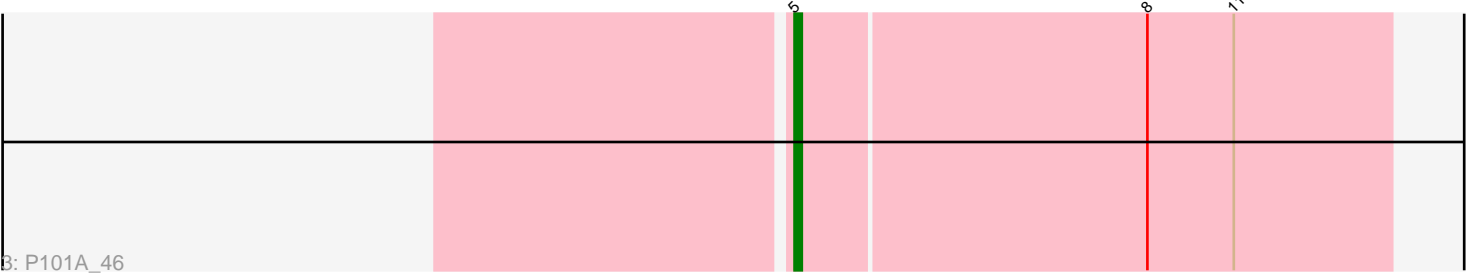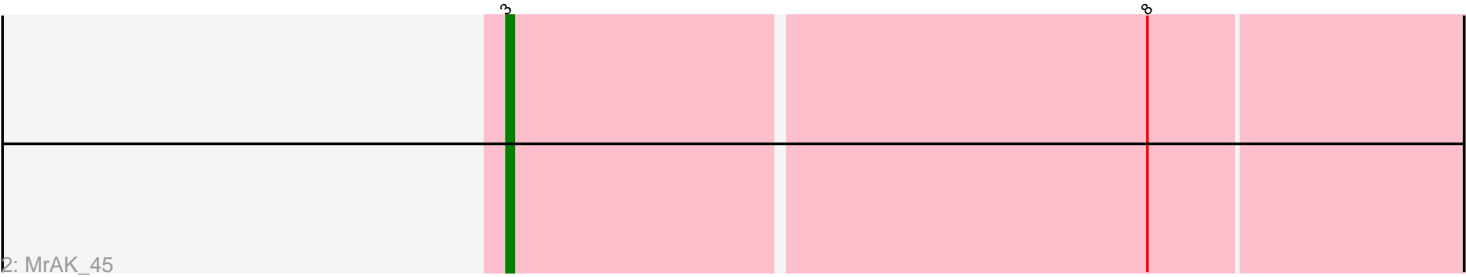# Pham 87977

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 87977 Report

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

Pham number 87977 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : ATCC29399BT_45, ATCC29399BC_45, P107C_43
• Track 2 : MrAK_45
• Track 3 : P101A_46
• Track 4 : P100.1_46
• Track 5 : P100A_44

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ATCC29399BC_45, ATCC29399BT_45, P100A_44, P107C_43,

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

Genes that do not have the "Most Annotated" start:
• MrAK_45, P100.1_46, P101A_46,

Summary by start number:

Start 2:
• Found in 4 of 7 (57.1%) 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: ATCC29399BC_45 (BU), ATCC29399BT_45 (BU), P100A_44 (BU), P107C_43 (BU),

Start 3:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MrAK_45 (BU), P100.1_46 (BU),

Start 5:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: P101A_46 (BU),

Summary by clusters:

There is one cluster represented in this pham: BU

Info for manual annotations of cluster BU:
•Start number 2 was manually annotated 4 times for cluster BU.
•Start number 3 was manually annotated 2 times for cluster BU.
•Start number 5 was manually annotated 1 time for cluster BU.

Gene Information:
Gene: ATCC29399BC_45 Start: 28849, Stop: 29133, Start Num: 2
Candidate Starts for ATCC29399BC_45:
(Start: 2 @28849 has 4 MA's), (4, 28888), (6, 28933), (7, 28954),

Gene: ATCC29399BT_45 Start: 28849, Stop: 29133, Start Num: 2
Candidate Starts for ATCC29399BT_45:
(Start: 2 @28849 has 4 MA's), (4, 28888), (6, 28933), (7, 28954),

Gene: MrAK_45 Start: 29092, Stop: 29325, Start Num: 3
Candidate Starts for MrAK_45:
(Start: 3 @29092 has 2 MA's), (8, 29179),

Gene: P100.1_46 Start: 28975, Stop: 29211, Start Num: 3
Candidate Starts for P100.1_46:
(Start: 3 @28975 has 2 MA's), (6, 29029), (7, 29050), (9, 29068), (12, 29077),

Gene: P100A_44 Start: 28836, Stop: 29102, Start Num: 2
Candidate Starts for P100A_44:
(1, 28830), (Start: 2 @28836 has 4 MA's), (7, 28941), (9, 28959), (10, 28965),

Gene: P101A_46 Start: 28997, Stop: 29191, Start Num: 5
Candidate Starts for P101A_46:
(Start: 5 @28997 has 1 MA's), (8, 29045), (11, 29057),

Gene: P107C_43 Start: 28849, Stop: 29133, Start Num: 2
Candidate Starts for P107C_43:
(Start: 2 @28849 has 4 MA's), (4, 28888), (6, 28933), (7, 28954),