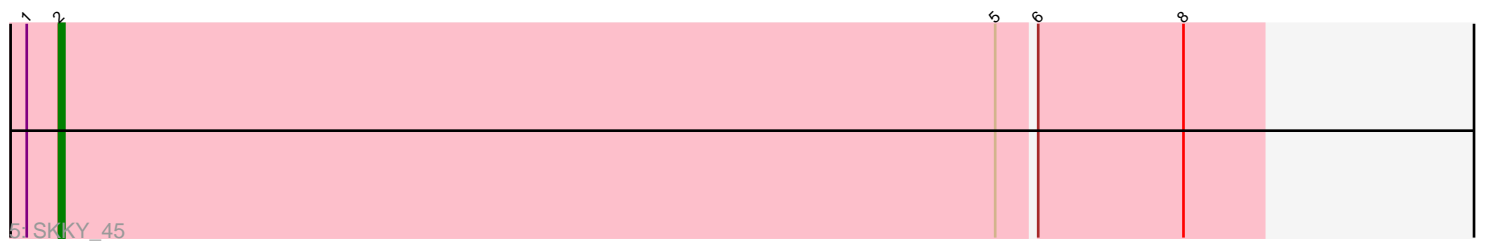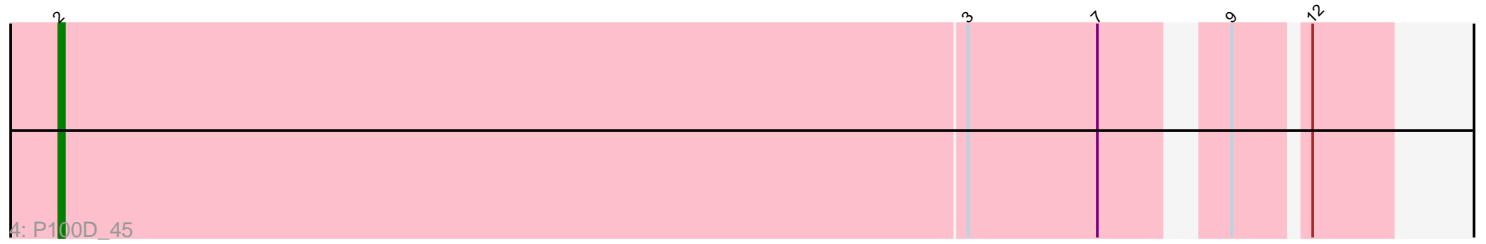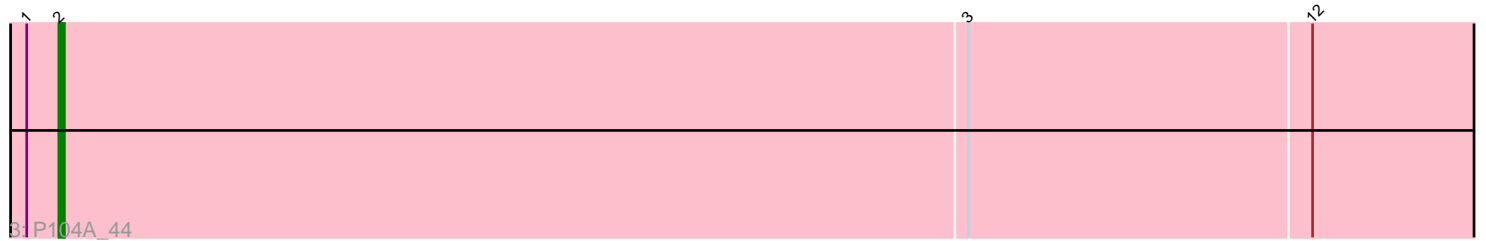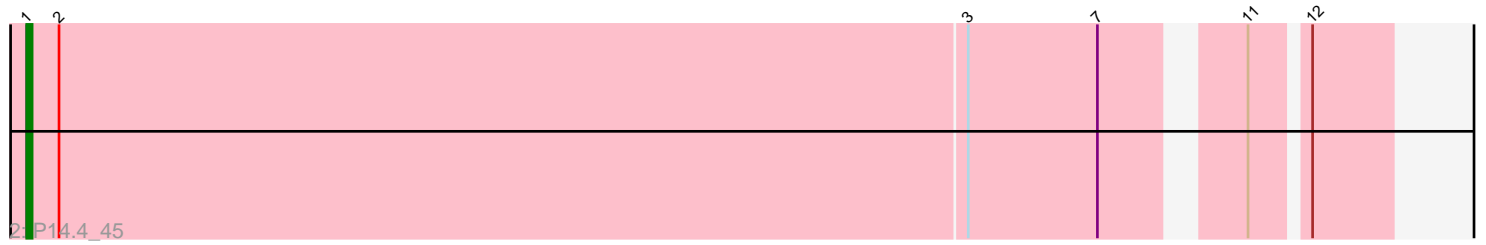# Pham 88206

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 88206 Report

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

Pham number 88206 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : P101A_44
• Track 2 : P14.4_45
• Track 3 : P104A_44
• Track 4 : P100D_45
• Track 5 : SKKY_45
• Track 6 : P9.1_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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• P100D_45, P101A_44, P104A_44, SKKY_45,

Genes that have the "Most Annotated" start but do not call it:
• P14.4_45, P9.1_44,

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

Summary by start number:

Start 1:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 40.0% of time when present
• Phage (with cluster) where this start called: P14.4_45 (BU), P9.1_44 (BU),

Start 2:
• 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: P100D_45 (BU), P101A_44 (BU), P104A_44 (BU), SKKY_45 (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 2 times for cluster BU.
•Start number 2 was manually annotated 4 times for cluster BU.

Gene Information:

Gene: P100D_45 Start: 27845, Stop: 27609, Start Num: 2
Candidate Starts for P100D_45:
(Start: 2 @27845 has 4 MA's), (3, 27677), (7, 27653), (9, 27635), (12, 27623),

Gene: P101A_44 Start: 27866, Stop: 27615, Start Num: 2
Candidate Starts for P101A_44:
(Start: 1 @27872 has 2 MA's), (Start: 2 @27866 has 4 MA's), (3, 27698), (4, 27695), (10, 27647), (12, 27635),

Gene: P104A_44 Start: 27624, Stop: 27361, Start Num: 2
Candidate Starts for P104A_44:
(Start: 1 @27630 has 2 MA's), (Start: 2 @27624 has 4 MA's), (3, 27456), (12, 27393),

Gene: P14.4_45 Start: 28025, Stop: 27783, Start Num: 1
Candidate Starts for P14.4_45:
(Start: 1 @28025 has 2 MA's), (Start: 2 @28019 has 4 MA's), (3, 27851), (7, 27827), (11, 27806), (12, 27797),

Gene: P9.1_44 Start: 27696, Stop: 27445, Start Num: 1
Candidate Starts for P9.1_44:
(Start: 1 @27696 has 2 MA's), (Start: 2 @27690 has 4 MA's), (3, 27522), (4, 27519), (7, 27498), (10, 27471),

Gene: SKKY_45 Start: 27971, Stop: 27750, Start Num: 2
Candidate Starts for SKKY_45:
(Start: 1 @27977 has 2 MA's), (Start: 2 @27971 has 4 MA's), (5, 27797), (6, 27791), (8, 27764),