Pham 195977

1: Attacne_44
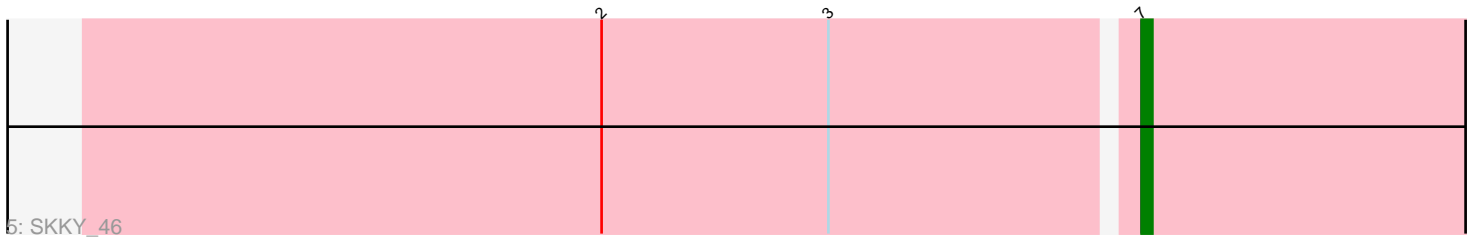
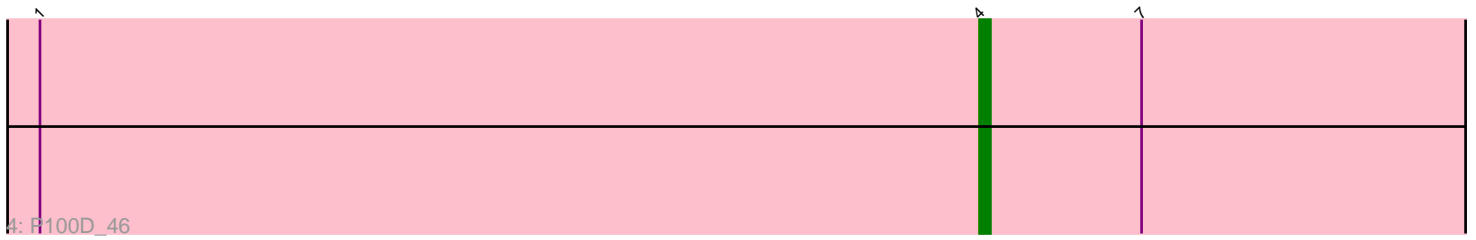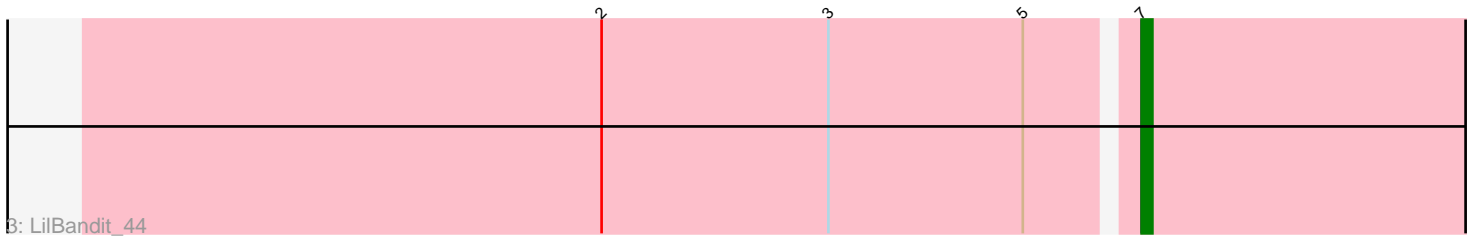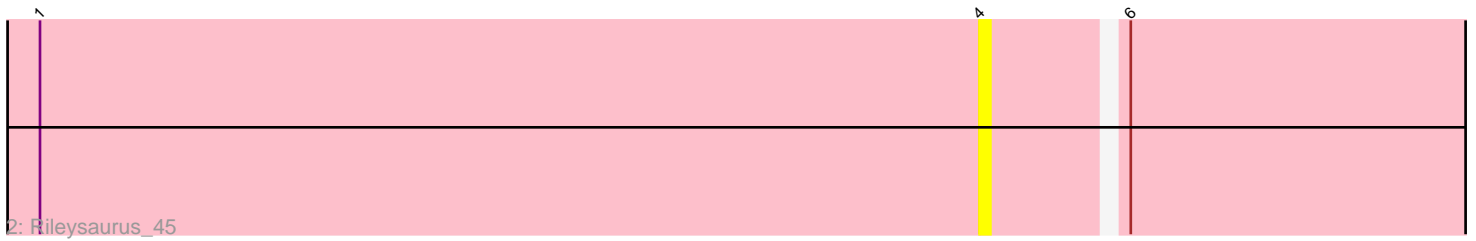2: Rileysaurus_45

3: LilBandit_44

4: R100D_46

5: SKKY_46

6: Stormborn_45

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 195977 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195977 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Attacne_44
• Track 2 : Rileysaurus_45
• Track 3 : LilBandit_44
• Track 4 : P100D_46
• Track 5 : SKKY_46
• Track 6 : Stormborn_45

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Attacne_44, LilBandit_44, SKKY_46, Stormborn_45,

Genes that have the "Most Annotated" start but do not call it:
• P100D_46,

Genes that do not have the "Most Annotated" start:
• Rileysaurus_45,

Summary by start number:

Start 4:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: P100D_46 (BU), Rileysaurus_45 (BU),

Start 7:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 80.0% of time when present

• Phage (with cluster) where this start called: Attacne_44 (BU), LilBandit_44 (BU), SKKY_46 (BU), Stormborn_45 (BU),

Summary by clusters:

There is one cluster represented in this pham: BU

Info for manual annotations of cluster BU:
•Start number 4 was manually annotated 1 time for cluster BU.
•Start number 7 was manually annotated 4 times for cluster BU.

Gene Information:
Gene: Attacne_44 Start: 28341, Stop: 28463, Start Num: 7
Candidate Starts for Attacne_44:
(2, 28293), (3, 28314), (Start: 7 @28341 has 4 MA's),

Gene: LilBandit_44 Start: 28507, Stop: 28629, Start Num: 7
Candidate Starts for LilBandit_44:
(2, 28459), (3, 28480), (5, 28498), (Start: 7 @28507 has 4 MA's),

Gene: P100D_46 Start: 28957, Stop: 29094, Start Num: 4
Candidate Starts for P100D_46:
(1, 28870), (Start: 4 @28957 has 1 MA's), (Start: 7 @28972 has 4 MA's),

Gene: Rileysaurus_45 Start: 28888, Stop: 29022, Start Num: 4
Candidate Starts for Rileysaurus_45:
(1, 28801), (Start: 4 @28888 has 1 MA's), (6, 28900),

Gene: SKKY_46 Start: 29060, Stop: 29218, Start Num: 7
Candidate Starts for SKKY_46:
(2, 29012), (3, 29033), (Start: 7 @29060 has 4 MA's),

Gene: Stormborn_45 Start: 28796, Stop: 28918, Start Num: 7
Candidate Starts for Stormborn_45:
(2, 28748), (Start: 7 @28796 has 4 MA's),