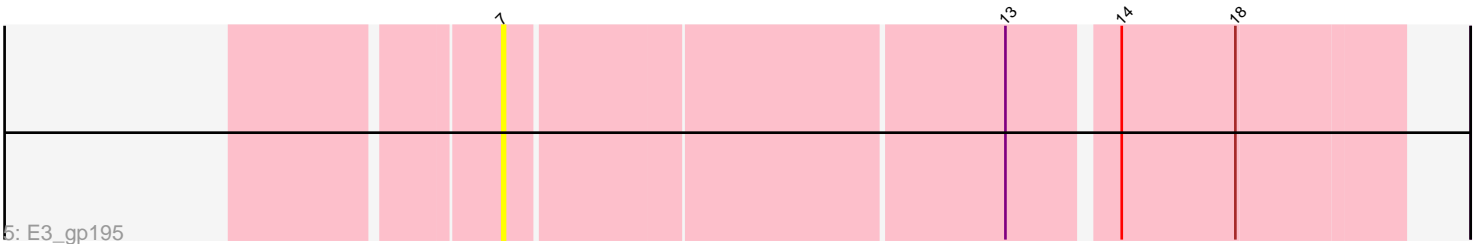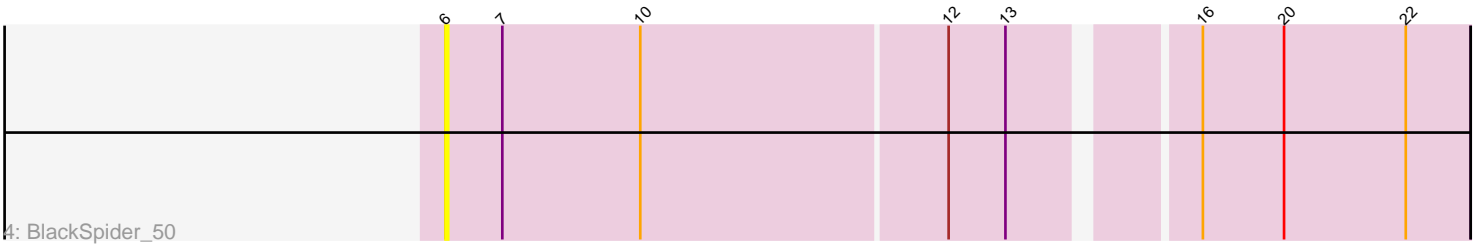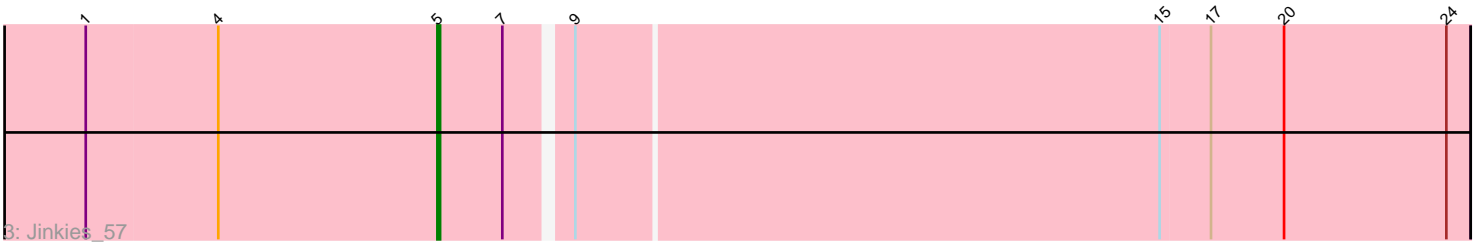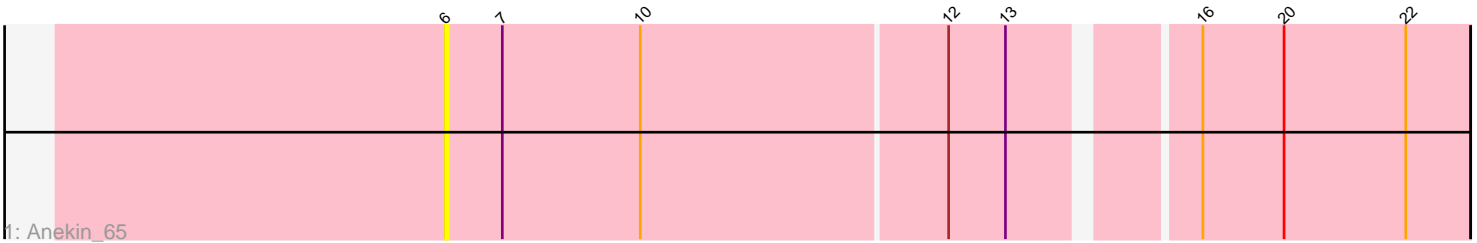# Pham 10623

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 10623 Report

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

Pham number 10623 has 6 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Anekin_65
• Track 2 : Skog_62
• Track 3 : Jinkies_57
• Track 4 : BlackSpider_50
• Track 5 : E3_gp195
• Track 6 : Mbo4_49

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

The start number called the most often in the published annotations is 5, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Jinkies_57,

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

Genes that do not have the "Most Annotated" start:
• Anekin_65, BlackSpider_50, E3_gp195, Mbo4_49, Skog_62,

Summary by start number:

Start 5:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jinkies_57 (FL),

Start 6:
• Found in 2 of 6 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anekin_65 (AY), BlackSpider_50 (FN),

Start 7:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 50.0% of time when present
• Phage (with cluster) where this start called: E3_gp195 (singleton), Mbo4_49 (singleton), Skog_62 (DO),

Summary by clusters:

There are 5 clusters represented in this pham: AY, DO, singleton, FL, FN,

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

Info for manual annotations of cluster FL:
•Start number 5 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Anekin_65 Start: 35036, Stop: 35398, Start Num: 6
Candidate Starts for Anekin_65:
(6, 35036), (Start: 7 @35057 has 1 MA's), (10, 35108), (12, 35219), (13, 35240), (16, 35300), (20, 35330), (22, 35375),

Gene: BlackSpider_50 Start: 31289, Stop: 31651, Start Num: 6
Candidate Starts for BlackSpider_50:
(6, 31289), (Start: 7 @31310 has 1 MA's), (10, 31361), (12, 31472), (13, 31493), (16, 31553), (20, 31583), (22, 31628),

Gene: E3_gp195 Start: 128687, Stop: 129001, Start Num: 7
Candidate Starts for E3_gp195:
(Start: 7 @128687 has 1 MA's), (13, 128864), (14, 128900), (18, 128942),

Gene: Jinkies_57 Start: 39450, Stop: 39821, Start Num: 5
Candidate Starts for Jinkies_57:
(1, 39321), (4, 39369), (Start: 5 @39450 has 1 MA's), (Start: 7 @39474 has 1 MA's), (9, 39495), (15, 39708), (17, 39726), (20, 39753), (24, 39813),

Gene: Mbo4_49 Start: 38030, Stop: 38362, Start Num: 7
Candidate Starts for Mbo4_49:
(2, 37880), (3, 37904), (Start: 7 @38030 has 1 MA's), (8, 38048), (11, 38183), (13, 38207), (18, 38282), (23, 38351),

Gene: Skog_62 Start: 25135, Stop: 25470, Start Num: 7
Candidate Starts for Skog_62:
(Start: 7 @25135 has 1 MA's), (12, 25291), (13, 25312), (18, 25387), (19, 25399), (21, 25417), (24, 25462),