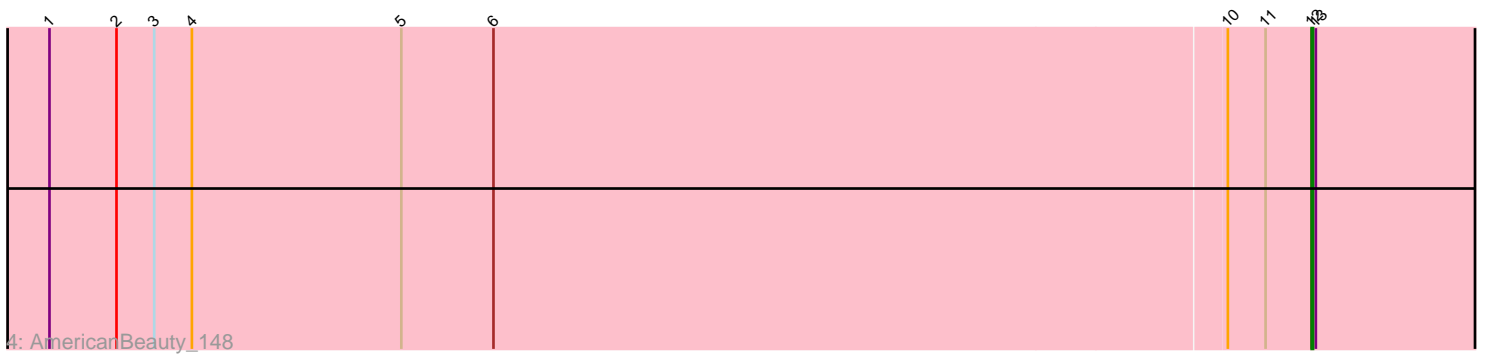# Pham 173718
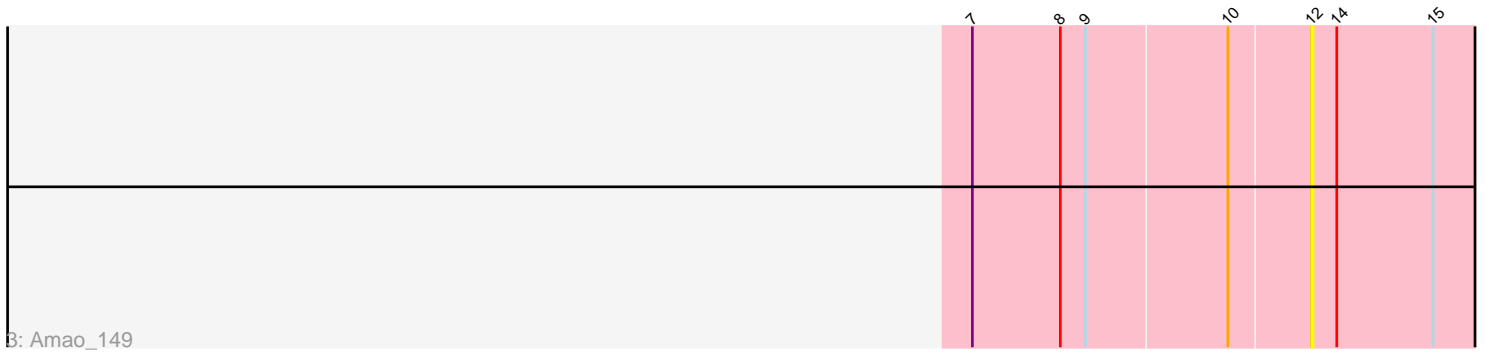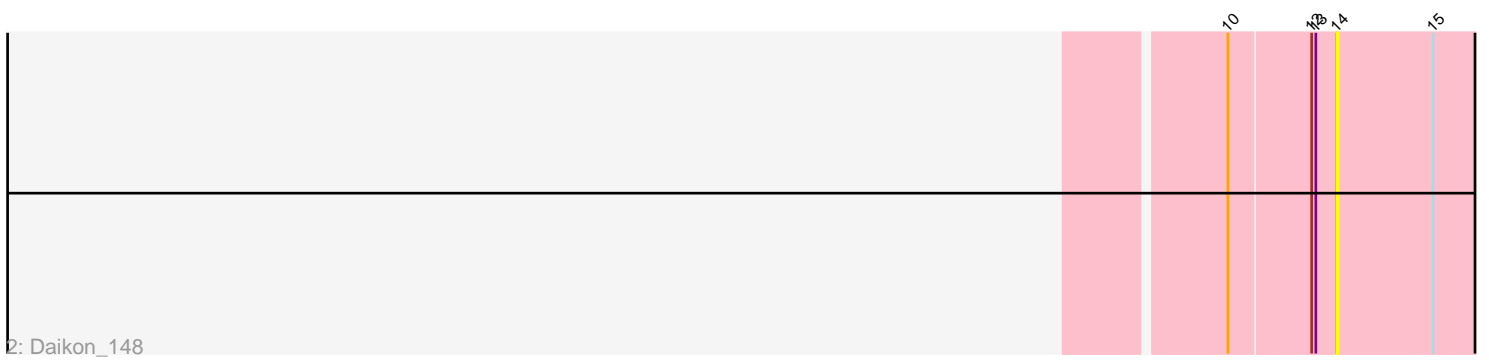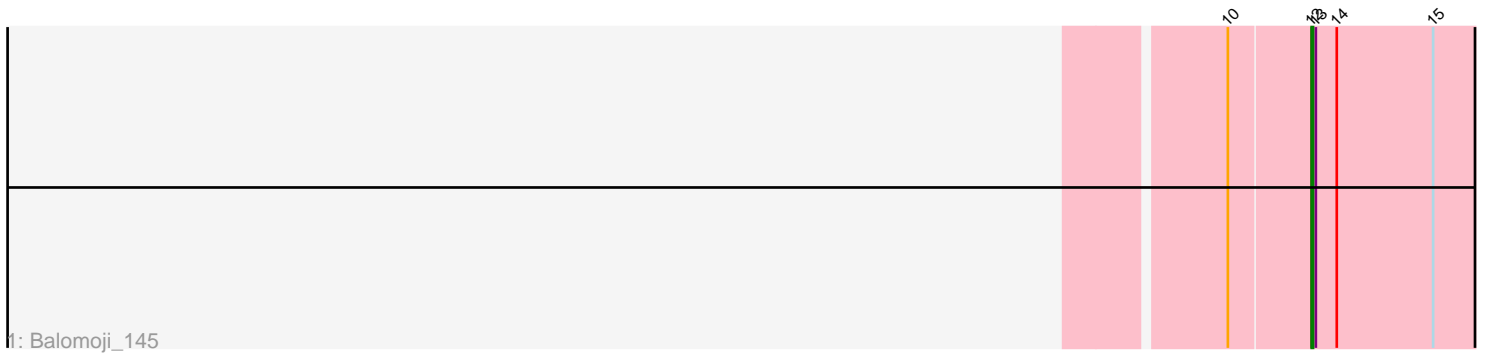

1: Balomoji_145

2: Daikon_148

3: Amao_149

4: AmericanBeauty_148

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 173718 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173718 has 4 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Balomoji_145
• Track 2 : Daikon_148
• Track 3 : Amao_149
• Track 4 : AmericanBeauty_148

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

The start number called the most often in the published annotations is 12, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_149, AmericanBeauty_148, Balomoji_145,

Genes that have the "Most Annotated" start but do not call it:
• Daikon_148,

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

Summary by start number:

Start 12:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Amao_149 (E), AmericanBeauty_148 (E), Balomoji_145 (E),

Start 14:
• Found in 3 of 4 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Daikon_148 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 12 was manually annotated 2 times for cluster E.

Gene Information:
Gene: Amao_149 Start: 75981, Stop: 76142, Start Num: 12
Candidate Starts for Amao_149:
(7, 75744), (8, 75807), (9, 75825), (10, 75924), (Start: 12 @75981 has 2 MA's), (14, 75999), (15, 76068),

Gene: AmericanBeauty_148 Start: 74518, Stop: 74679, Start Num: 12
Candidate Starts for AmericanBeauty_148:
(1, 73621), (2, 73669), (3, 73696), (4, 73723), (5, 73873), (6, 73939), (10, 74458), (11, 74485), (Start: 12 @74518 has 2 MA's), (13, 74521),

Gene: Balomoji_145 Start: 75687, Stop: 75848, Start Num: 12
Candidate Starts for Balomoji_145:
(10, 75630), (Start: 12 @75687 has 2 MA's), (13, 75690), (14, 75705), (15, 75774),

Gene: Daikon_148 Start: 74953, Stop: 75096, Start Num: 14
Candidate Starts for Daikon_148:
(10, 74878), (Start: 12 @74935 has 2 MA's), (13, 74938), (14, 74953), (15, 75022),