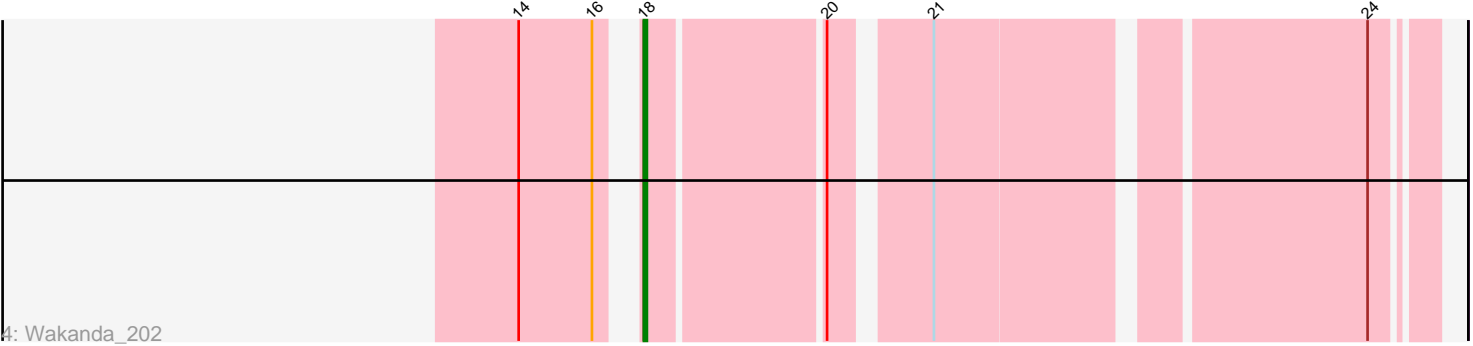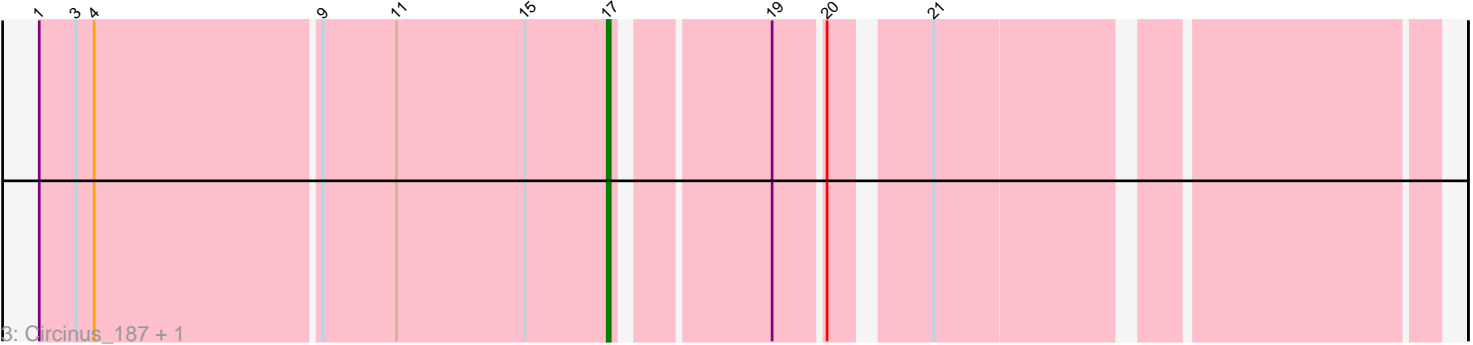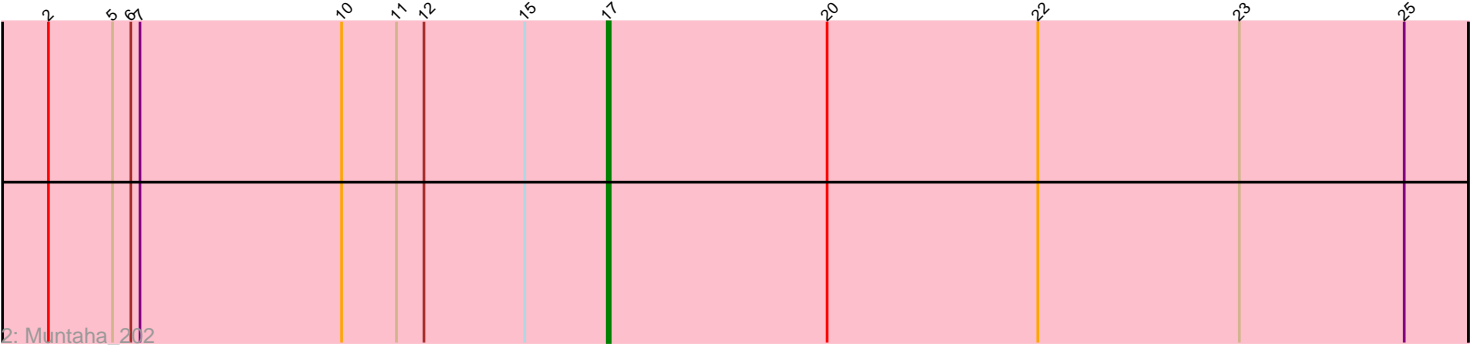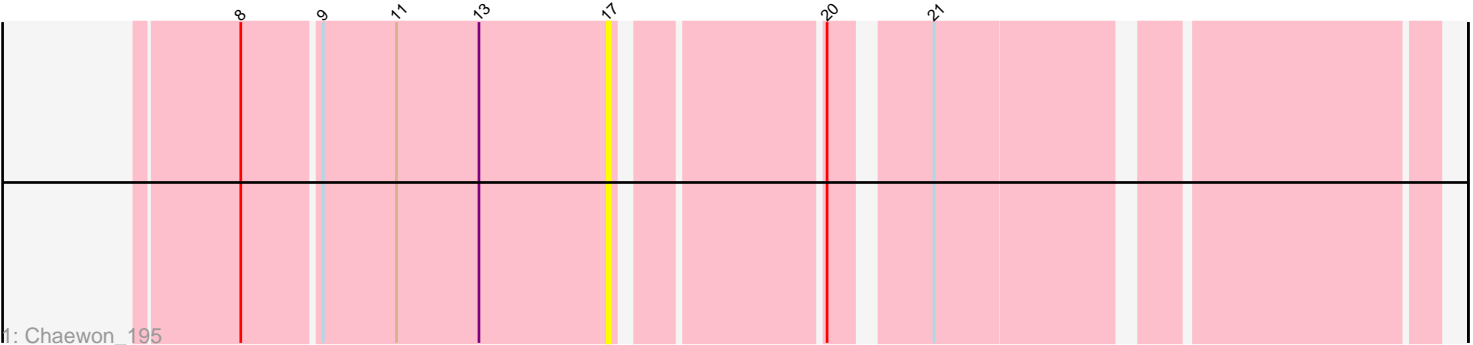# Pham 276994

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 276994 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276994 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Chaewon_195
• Track 2 : Muntaha_202
• Track 3 : Circinus_187, BillNye_186
• Track 4 : Wakanda_202

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

The start number called the most often in the published annotations is 17, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BillNye_186, Chaewon_195, Circinus_187, Muntaha_202,

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

Genes that do not have the "Most Annotated" start:
• Wakanda_202,

Summary by start number:

Start 17:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_186 (BK2), Chaewon_195 (BK2), Circinus_187 (BK2), Muntaha_202 (BK2),

Start 18:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wakanda_202 (BK2),

Summary by clusters:

There is one cluster represented in this pham: BK2

Info for manual annotations of cluster BK2:
•Start number 17 was manually annotated 3 times for cluster BK2.
•Start number 18 was manually annotated 1 time for cluster BK2.

Gene Information:
Gene: BillNye_186 Start: 101224, Stop: 101460, Start Num: 17
Candidate Starts for BillNye_186:
(1, 101041), (3, 101053), (4, 101059), (9, 101131), (11, 101155), (15, 101197), (Start: 17 @101224 has 3 MA's), (19, 101269), (20, 101284), (21, 101311),

Gene: Chaewon_195 Start: 102961, Stop: 103197, Start Num: 17
Candidate Starts for Chaewon_195:
(8, 102844), (9, 102868), (11, 102892), (13, 102919), (Start: 17 @102961 has 3 MA's), (20, 103021), (21, 103048),

Gene: Circinus_187 Start: 101031, Stop: 101267, Start Num: 17
Candidate Starts for Circinus_187:
(1, 100848), (3, 100860), (4, 100866), (9, 100938), (11, 100962), (15, 101004), (Start: 17 @101031 has 3 MA's), (19, 101076), (20, 101091), (21, 101118),

Gene: Muntaha_202 Start: 101226, Stop: 101507, Start Num: 17
Candidate Starts for Muntaha_202:
(2, 101043), (5, 101064), (6, 101070), (7, 101073), (10, 101139), (11, 101157), (12, 101166), (15, 101199), (Start: 17 @101226 has 3 MA's), (20, 101298), (22, 101367), (23, 101433), (25, 101487),

Gene: Wakanda_202 Start: 101508, Stop: 101735, Start Num: 18
Candidate Starts for Wakanda_202:
(14, 101478), (16, 101502), (Start: 18 @101508 has 1 MA's), (20, 101562), (21, 101589), (24, 101718),