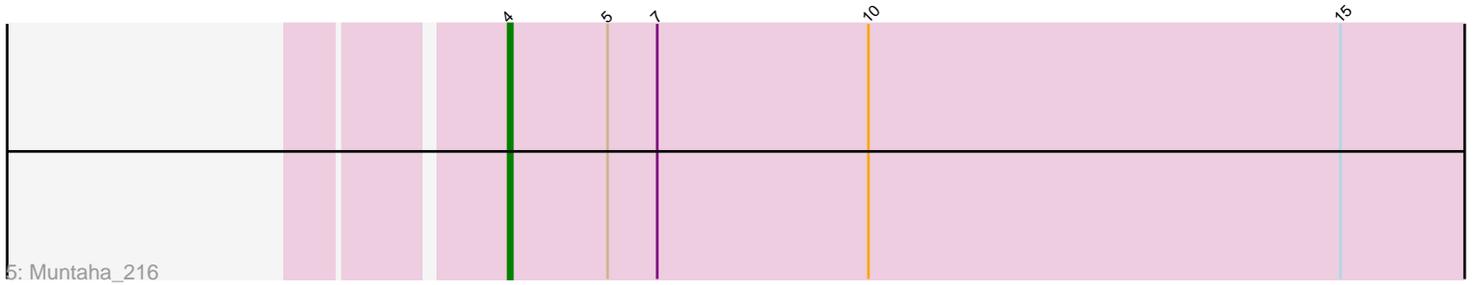
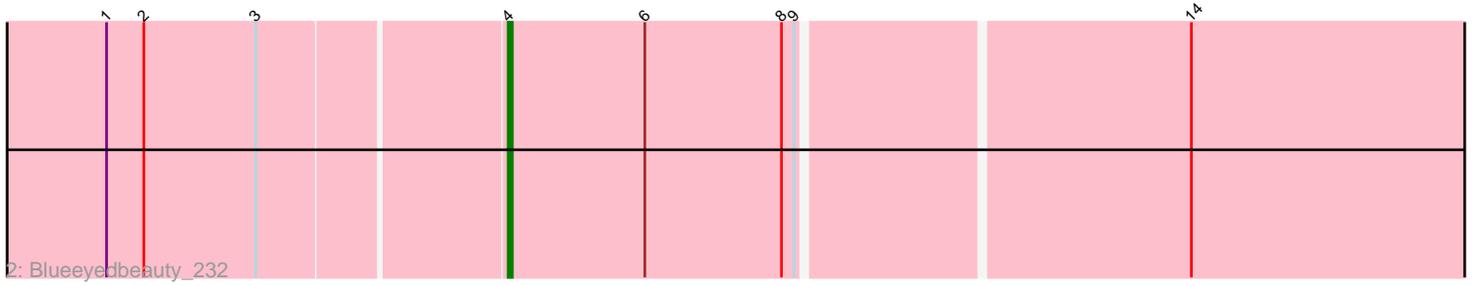
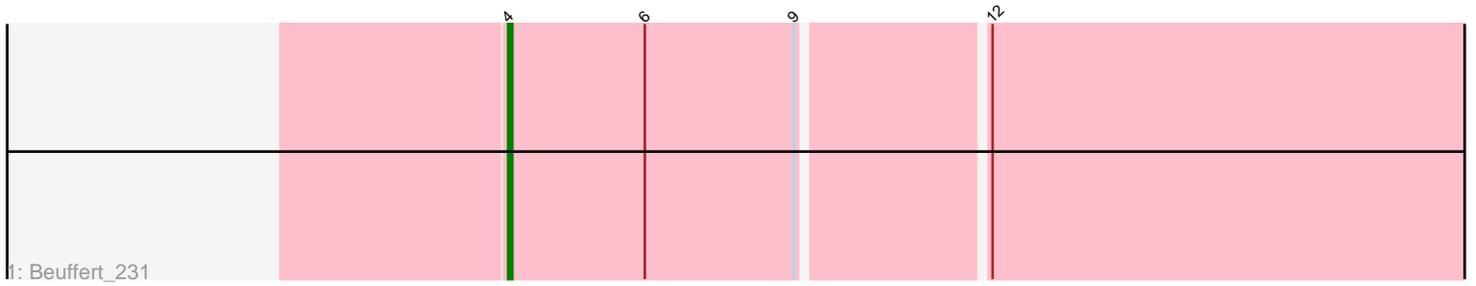


Pham 290071



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 290071 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290071 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Beuffert_231
- Track 2 : Blueeyedbeauty_232
- Track 3 : Chaewon_203, Circinus_201, BillNye_201
- Track 4 : Wakanda_214
- Track 5 : Muntaha_216

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beuffert_231, BillNye_201, Blueeyedbeauty_232, Chaewon_203, Circinus_201, Muntaha_216, Wakanda_214,

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

-

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

-

Summary by start number:

Start 4:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beuffert_231 (BK1), BillNye_201 (BK2), Blueeyedbeauty_232 (BK1), Chaewon_203 (BK2), Circinus_201 (BK2), Muntaha_216 (BK2), Wakanda_214 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:

•Start number 4 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster BK2:

•Start number 4 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Beuffert_231 Start: 114124, Stop: 114354, Start Num: 4

Candidate Starts for Beuffert_231:

(Start: 4 @114124 has 6 MA's), (6, 114157), (9, 114193), (12, 114235),

Gene: BillNye_201 Start: 106908, Stop: 107144, Start Num: 4

Candidate Starts for BillNye_201:

(Start: 4 @106908 has 6 MA's), (5, 106932), (11, 107019), (13, 107064), (15, 107109),

Gene: Blueeyedbeauty_232 Start: 113522, Stop: 113752, Start Num: 4

Candidate Starts for Blueeyedbeauty_232:

(1, 113429), (2, 113438), (3, 113465), (Start: 4 @113522 has 6 MA's), (6, 113555), (8, 113588), (9, 113591), (14, 113681),

Gene: Chaewon_203 Start: 106830, Stop: 107066, Start Num: 4

Candidate Starts for Chaewon_203:

(Start: 4 @106830 has 6 MA's), (5, 106854), (11, 106941), (13, 106986), (15, 107031),

Gene: Circinus_201 Start: 106515, Stop: 106751, Start Num: 4

Candidate Starts for Circinus_201:

(Start: 4 @106515 has 6 MA's), (5, 106539), (11, 106626), (13, 106671), (15, 106716),

Gene: Muntaha_216 Start: 106623, Stop: 106859, Start Num: 4

Candidate Starts for Muntaha_216:

(Start: 4 @106623 has 6 MA's), (5, 106647), (7, 106659), (10, 106710), (15, 106824),

Gene: Wakanda_214 Start: 106273, Stop: 106509, Start Num: 4

Candidate Starts for Wakanda_214:

(Start: 4 @106273 has 6 MA's), (5, 106297), (7, 106309), (11, 106384), (15, 106474),