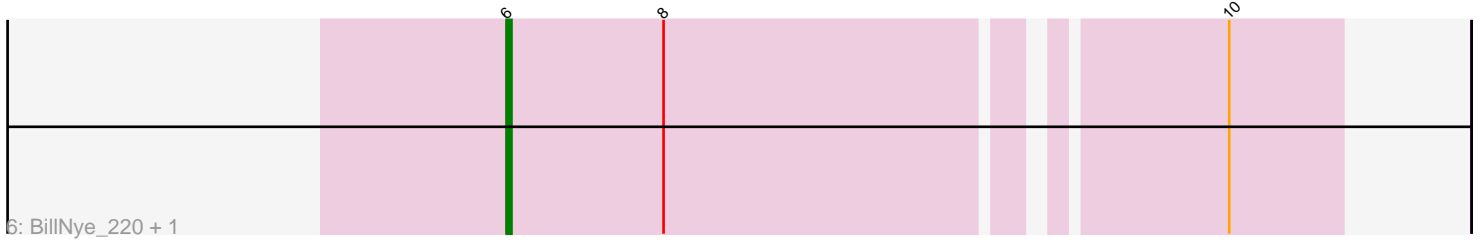
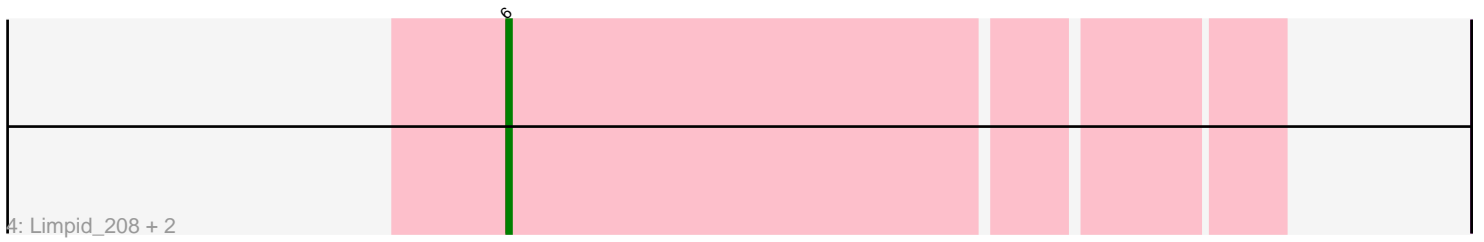
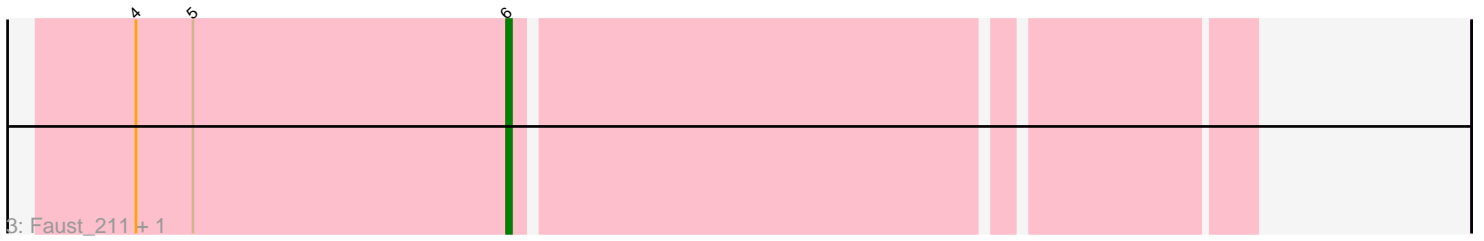
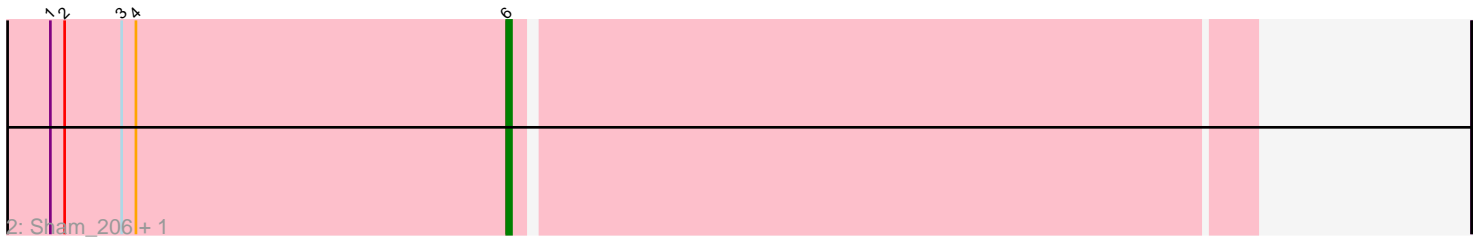
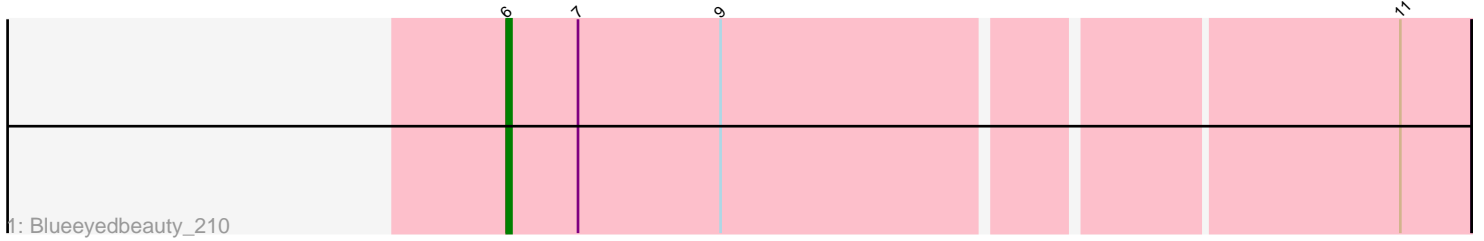


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 205689 Report

This analysis was run 02/22/25 on database version 588.

Pham number 205689 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Blueeyedbeauty\_210
- Track 2 : Sham\_206, TunaTartare\_214
- Track 3 : Faust\_211, SeresaTree\_215
- Track 4 : Limpid\_208, Beuffert\_208, Annadreamy\_201
- Track 5 : Wakanda\_231, Muntaha\_235
- Track 6 : BillNye\_220, Circinus\_220

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

The start number called the most often in the published annotations is 6, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy\_201, Beuffert\_208, BillNye\_220, Blueeyedbeauty\_210, Circinus\_220, Faust\_211, Limpid\_208, Muntaha\_235, SeresaTree\_215, Sham\_206, TunaTartare\_214, Wakanda\_231,

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 6:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy\_201 (BK1), Beuffert\_208 (BK1), BillNye\_220 (BK2), Blueeyedbeauty\_210 (BK1), Circinus\_220 (BK2), Faust\_211 (BK1), Limpid\_208 (BK1), Muntaha\_235 (BK2), SeresaTree\_215 (BK1), Sham\_206 (BK1), TunaTartare\_214 (BK1), Wakanda\_231 (BK2),

## Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 6 was manually annotated 7 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 6 was manually annotated 4 times for cluster BK2.

## **Gene Information:**

Gene: Annadreamy\_201 Start: 101523, Stop: 101678, Start Num: 6

Candidate Starts for Annadreamy\_201:

(Start: 6 @101523 has 11 MA's),

Gene: Beuffert\_208 Start: 105516, Stop: 105671, Start Num: 6

Candidate Starts for Beuffert\_208:

(Start: 6 @105516 has 11 MA's),

Gene: BillNye\_220 Start: 113219, Stop: 113383, Start Num: 6

Candidate Starts for BillNye\_220:

(Start: 6 @113219 has 11 MA's), (8, 113252), (10, 113360),

Gene: Blueeyedbeauty\_210 Start: 105250, Stop: 105444, Start Num: 6

Candidate Starts for Blueeyedbeauty\_210:

(Start: 6 @105250 has 11 MA's), (7, 105265), (9, 105295), (11, 105430),

Gene: Circinus\_220 Start: 112809, Stop: 112973, Start Num: 6

Candidate Starts for Circinus\_220:

(Start: 6 @112809 has 11 MA's), (8, 112842), (10, 112950),

Gene: Faust\_211 Start: 106919, Stop: 107065, Start Num: 6

Candidate Starts for Faust\_211:

(4, 106841), (5, 106853), (Start: 6 @106919 has 11 MA's),

Gene: Limpid\_208 Start: 106836, Stop: 106991, Start Num: 6

Candidate Starts for Limpid\_208:

(Start: 6 @106836 has 11 MA's),

Gene: Muntaha\_235 Start: 113389, Stop: 113553, Start Num: 6

Candidate Starts for Muntaha\_235:

(Start: 6 @113389 has 11 MA's),

Gene: SeresaTree\_215 Start: 106904, Stop: 107050, Start Num: 6

Candidate Starts for SeresaTree\_215:

(4, 106826), (5, 106838), (Start: 6 @106904 has 11 MA's),

Gene: Sham\_206 Start: 107771, Stop: 107923, Start Num: 6

Candidate Starts for Sham\_206:

(1, 107675), (2, 107678), (3, 107690), (4, 107693), (Start: 6 @107771 has 11 MA's),

Gene: TunaTartare\_214 Start: 110069, Stop: 110221, Start Num: 6

Candidate Starts for TunaTartare\_214:

(1, 109973), (2, 109976), (3, 109988), (4, 109991), (Start: 6 @110069 has 11 MA's),

Gene: Wakanda\_231 Start: 112376, Stop: 112540, Start Num: 6

Candidate Starts for Wakanda\_231:

(Start: 6 @112376 has 11 MA's),