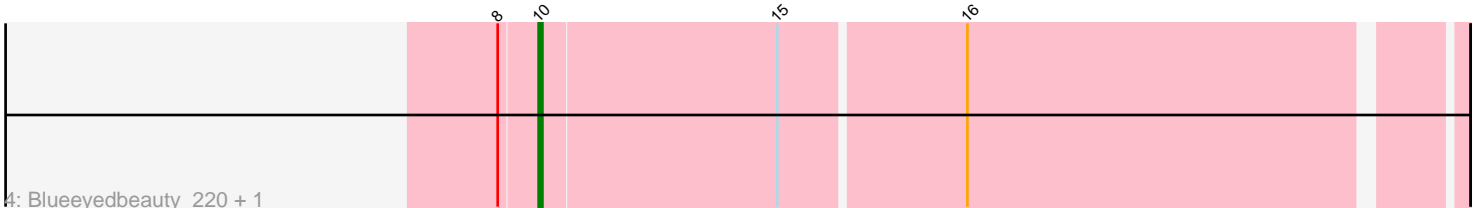
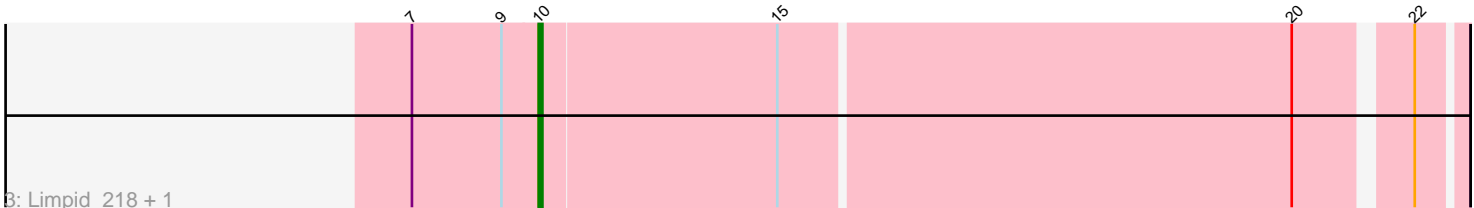
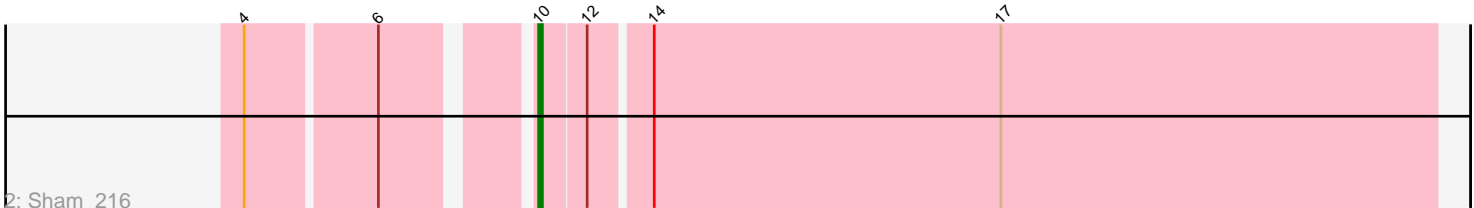


Pham 106756



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 106756 Report

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

Pham number 106756 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TunaTartare_224
- Track 2 : Sham_216
- Track 3 : Limpid_218, Annadreamy_211
- Track 4 : Blueeyedbeauty_220, Beuffert_219
- Track 5 : Faust_221, SeresaTree_225
- Track 6 : BillNye_228, Circinus_228
- Track 7 : Muntaha_243, Wakanda_239

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

The start number called the most often in the published annotations is 10, it was called in 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_211, Beuffert_219, Blueeyedbeauty_220, Faust_221, Limpid_218, SeresaTree_225, Sham_216, TunaTartare_224,

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

-

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

- BillNye_228, Circinus_228, Muntaha_243, Wakanda_239,

Summary by start number:

Start 10:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 7 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_211 (BK1), Beuffert_219 (BK1), Blueeyedbeauty_220 (BK1), Faust_221 (BK1), Limpid_218 (BK1), SeresaTree_225 (BK1), Sham_216 (BK1), TunaTartare_224 (BK1),

Start 11:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BillNye_228 (BK2), Circinus_228 (BK2), Muntaha_243 (BK2), Wakanda_239 (BK2),

Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 10 was manually annotated 7 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 11 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Annadreamy_211 Start: 105879, Stop: 106115, Start Num: 10

Candidate Starts for Annadreamy_211:

(7, 105849), (9, 105873), (Start: 10 @105879 has 7 MA's), (15, 105942), (20, 106077), (22, 106104),

Gene: Beuffert_219 Start: 110046, Stop: 110282, Start Num: 10

Candidate Starts for Beuffert_219:

(8, 110040), (Start: 10 @110046 has 7 MA's), (15, 110109), (16, 110157),

Gene: BillNye_228 Start: 116383, Stop: 116619, Start Num: 11

Candidate Starts for BillNye_228:

(Start: 11 @116383 has 4 MA's), (18, 116521),

Gene: Blueeyedbeauty_220 Start: 109578, Stop: 109814, Start Num: 10

Candidate Starts for Blueeyedbeauty_220:

(8, 109572), (Start: 10 @109578 has 7 MA's), (15, 109641), (16, 109689),

Gene: Circinus_228 Start: 115971, Stop: 116207, Start Num: 11

Candidate Starts for Circinus_228:

(Start: 11 @115971 has 4 MA's), (18, 116109),

Gene: Faust_221 Start: 111227, Stop: 111466, Start Num: 10

Candidate Starts for Faust_221:

(5, 111164), (Start: 10 @111227 has 7 MA's), (12, 111239), (19, 111413), (21, 111443),

Gene: Limpid_218 Start: 111192, Stop: 111428, Start Num: 10

Candidate Starts for Limpid_218:

(7, 111162), (9, 111186), (Start: 10 @111192 has 7 MA's), (15, 111255), (20, 111390), (22, 111417),

Gene: Muntaha_243 Start: 116592, Stop: 116834, Start Num: 11

Candidate Starts for Muntaha_243:

(Start: 11 @116592 has 4 MA's), (13, 116610), (18, 116730),

Gene: SeresaTree_225 Start: 111213, Stop: 111452, Start Num: 10

Candidate Starts for SeresaTree_225:

(5, 111150), (Start: 10 @111213 has 7 MA's), (12, 111225), (19, 111399), (21, 111429),

Gene: Sham_216 Start: 112100, Stop: 112336, Start Num: 10

Candidate Starts for Sham_216:

(4, 112034), (6, 112067), (Start: 10 @112100 has 7 MA's), (12, 112112), (14, 112127), (17, 112220),

Gene: TunaTartare_224 Start: 114405, Stop: 114644, Start Num: 10

Candidate Starts for TunaTartare_224:

(1, 114264), (2, 114285), (3, 114297), (6, 114363), (Start: 10 @114405 has 7 MA's), (12, 114417), (21, 114621),

Gene: Wakanda_239 Start: 115580, Stop: 115822, Start Num: 11

Candidate Starts for Wakanda_239:

(Start: 11 @115580 has 4 MA's), (13, 115598), (18, 115718),