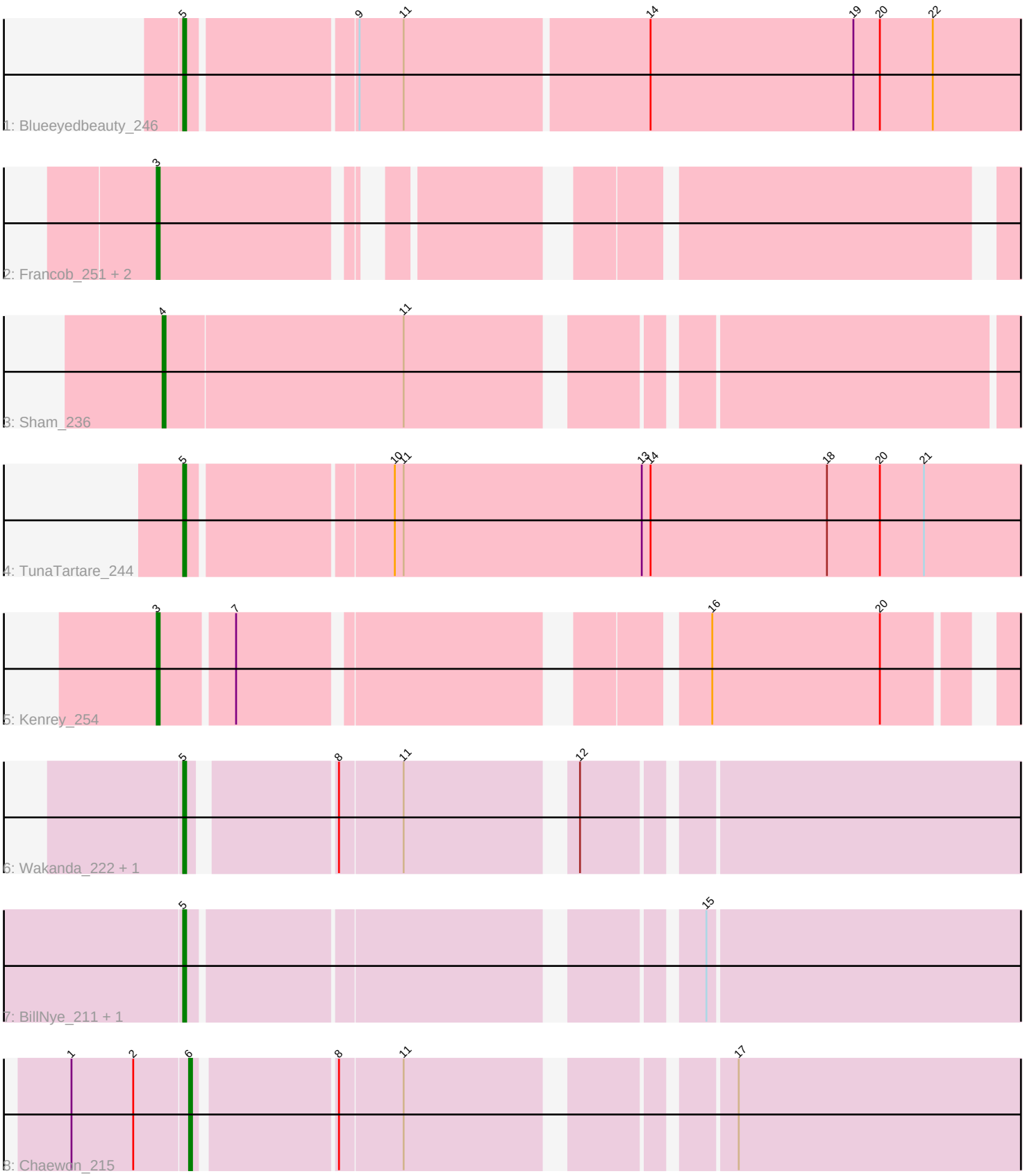
Pham 344583


5
9
11
14
19
20
22
1: Blueeyedbeauty_246
3
2: Francob_251 + 2
4
11
3: Sham_236
5
10
11
13
14
18
20
21
4: TunaTartare_244
3
7
16
20
5: Kenrey_254
5
8
11
12
6: Wakanda_222 + 1
5
15
7: BillNye_211 + 1
1
2
6
8
11
17
8: Chaewon_215

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 344583 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344583 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Blueeyedbeauty_246
• Track 2 : Francob_251, Gilson_247, Maupel_250
• Track 3 : Sham_236
• Track 4 : TunaTartare_244
• Track 5 : Kenrey_254
• Track 6 : Wakanda_222, Muntaha_226
• Track 7 : BillNye_211, Circinus_211
• Track 8 : Chaewon_215

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BillNye_211, Blueeyedbeauty_246, Circinus_211, Muntaha_226, TunaTartare_244, Wakanda_222,

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

Genes that do not have the "Most Annotated" start:
• Chaewon_215, Francob_251, Gilson_247, Kenrey_254, Maupel_250, Sham_236,

Summary by start number:

Start 3:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Francob_251 (BK1), Gilson_247 (BK1), Kenrey_254 (BK1), Maupel_250 (BK1),

Start 4:

• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sham_236 (BK1),

Start 5:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_211 (BK2), Blueeyedbeauty_246 (BK1), Circinus_211 (BK2), Muntaha_226 (BK2), TunaTartare_244 (BK1), Wakanda_222 (BK2),

Start 6:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chaewon_215 (BK2),

Summary by clusters:

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

Info for manual annotations of cluster BK1:
•Start number 3 was manually annotated 3 times for cluster BK1.
•Start number 4 was manually annotated 1 time for cluster BK1.
•Start number 5 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 5 was manually annotated 4 times for cluster BK2.
•Start number 6 was manually annotated 1 time for cluster BK2.

Gene Information:

Gene: BillNye_211 Start: 109917, Stop: 110183, Start Num: 5
Candidate Starts for BillNye_211:
(Start: 5 @109917 has 6 MA's), (15, 110073),

Gene: Blueeyedbeauty_246 Start: 117852, Stop: 118133, Start Num: 5
Candidate Starts for Blueeyedbeauty_246:
(Start: 5 @117852 has 6 MA's), (9, 117906), (11, 117921), (14, 118002), (19, 118071), (20, 118080), (22, 118098),

Gene: Chaewon_215 Start: 110060, Stop: 110323, Start Num: 6
Candidate Starts for Chaewon_215:
(1, 110021), (2, 110042), (Start: 6 @110060 has 1 MA's), (8, 110105), (11, 110126), (17, 110222),

Gene: Circinus_211 Start: 109507, Stop: 109773, Start Num: 5
Candidate Starts for Circinus_211:
(Start: 5 @109507 has 6 MA's), (15, 109663),

Gene: Francob_251 Start: 118199, Stop: 118453, Start Num: 3
Candidate Starts for Francob_251:
(Start: 3 @118199 has 3 MA's),

Gene: Gilson_247 Start: 117464, Stop: 117718, Start Num: 3
Candidate Starts for Gilson_247:
(Start: 3 @117464 has 3 MA's),

Gene: Kenrey_254 Start: 118743, Stop: 119003, Start Num: 3
Candidate Starts for Kenrey_254:
(Start: 3 @118743 has 3 MA's), (7, 118767), (16, 118905), (20, 118962),

Gene: Maupel_250 Start: 116657, Stop: 116911, Start Num: 3
Candidate Starts for Maupel_250:
(Start: 3 @116657 has 3 MA's),

Gene: Muntaha_226 Start: 110029, Stop: 110292, Start Num: 5
Candidate Starts for Muntaha_226:
(Start: 5 @110029 has 6 MA's), (8, 110074), (11, 110095), (12, 110146),

Gene: Sham_236 Start: 118942, Stop: 119217, Start Num: 4
Candidate Starts for Sham_236:
(Start: 4 @118942 has 1 MA's), (11, 119023),

Gene: TunaTartare_244 Start: 120896, Stop: 121180, Start Num: 5
Candidate Starts for TunaTartare_244:
(Start: 5 @120896 has 6 MA's), (10, 120962), (11, 120965), (13, 121046), (14, 121049), (18, 121109), (20, 121127), (21, 121142),

Gene: Wakanda_222 Start: 109015, Stop: 109278, Start Num: 5
Candidate Starts for Wakanda_222:
(Start: 5 @109015 has 6 MA's), (8, 109060), (11, 109081), (12, 109132),