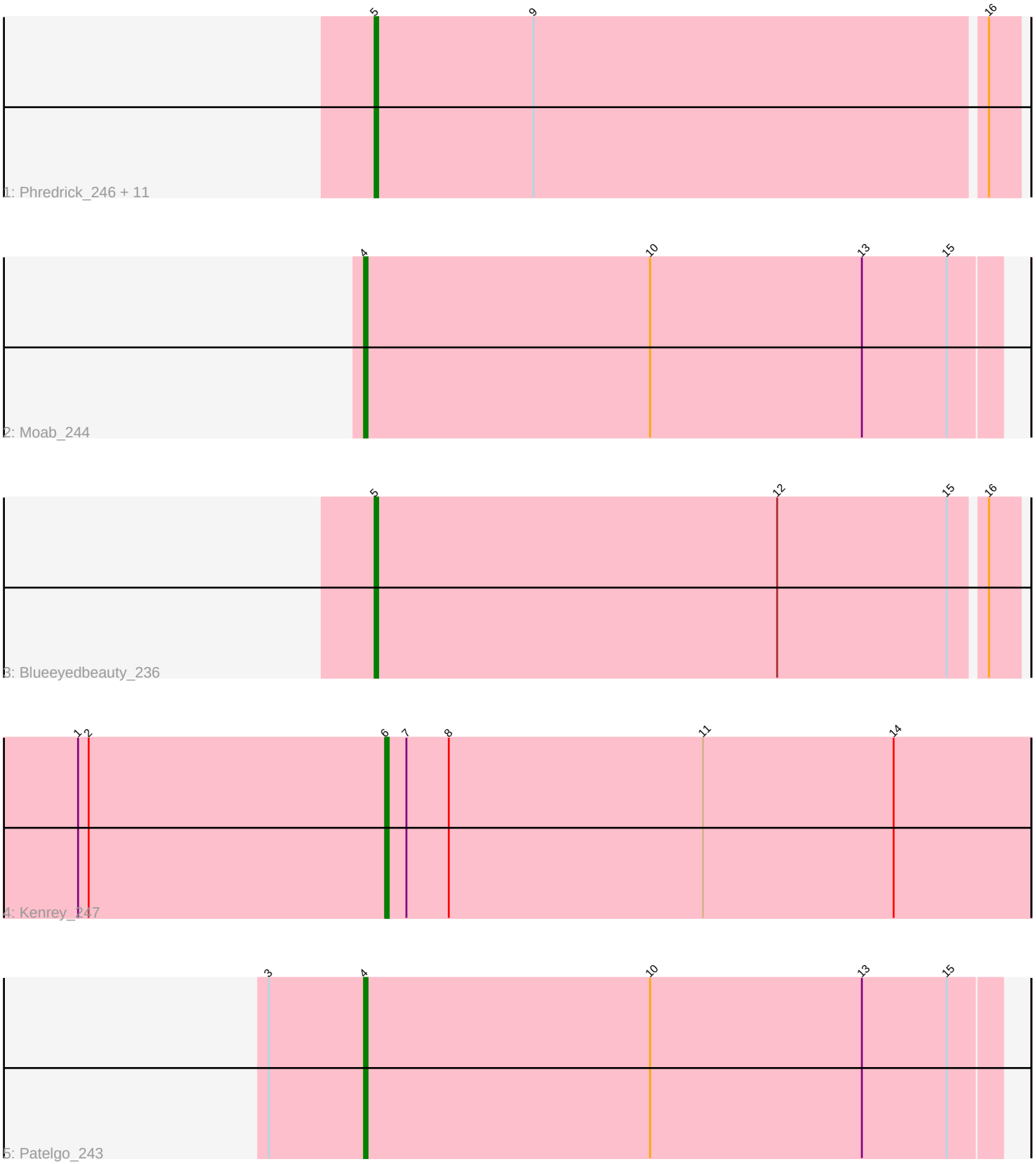
Pham 150786


5
9
16
1: Phredrick_246 + 11
4
10
13
15
2: Moab_244
5
12
15
16
3: Blueeyedbeauty_236
1
2
6
7
8
11
14
4: Kenrey_247
3
4
10
13
15
5: Patelgo_243

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 150786 Report

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

Pham number 150786 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Phredrick_246, Francob_245, Karp_237, Emma1919_242, Belfort_238, Gilson_241, Comrade_234, Forrest_240, MeganTheeKilla_244, SparkleGoddess_239, Jada_239, Stigma_237
• Track 2 : Moab_244
• Track 3 : Blueeyedbeauty_236
• Track 4 : Kenrey_247
• Track 5 : Patelgo_243

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 13 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_238, Blueeyedbeauty_236, Comrade_234, Emma1919_242, Forrest_240, Francob_245, Gilson_241, Jada_239, Karp_237, MeganTheeKilla_244, Phredrick_246, SparkleGoddess_239, Stigma_237,

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

Genes that do not have the "Most Annotated" start:
• Kenrey_247, Moab_244, Patelgo_243,

Summary by start number:

Start 4:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Moab_244 (BK1), Patelgo_243 (BK1),

Start 5:
• Found in 13 of 16 (81.2%) of genes in pham

• Manual Annotations of this start: 13 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_238 (BK1), Blueeyedbeauty_236 (BK1), Comrade_234 (BK1), Emma1919_242 (BK1), Forrest_240 (BK1), Francob_245 (BK1), Gilson_241 (BK1), Jada_239 (BK1), Karp_237 (BK1), MeganTheeKilla_244 (BK1), Phredrick_246 (BK1), SparkleGoddess_239 (BK1), Stigma_237 (BK1),

Start 6:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kenrey_247 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 4 was manually annotated 2 times for cluster BK1.
•Start number 5 was manually annotated 13 times for cluster BK1.
•Start number 6 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Belfort_238 Start: 115670, Stop: 115849, Start Num: 5
Candidate Starts for Belfort_238:
(Start: 5 @115670 has 13 MA's), (9, 115715), (16, 115841),

Gene: Blueeyedbeauty_236 Start: 114733, Stop: 114912, Start Num: 5
Candidate Starts for Blueeyedbeauty_236:
(Start: 5 @114733 has 13 MA's), (12, 114847), (15, 114895), (16, 114904),

Gene: Comrade_234 Start: 115866, Stop: 116045, Start Num: 5
Candidate Starts for Comrade_234:
(Start: 5 @115866 has 13 MA's), (9, 115911), (16, 116037),

Gene: Emma1919_242 Start: 114897, Stop: 115076, Start Num: 5
Candidate Starts for Emma1919_242:
(Start: 5 @114897 has 13 MA's), (9, 114942), (16, 115068),

Gene: Forrest_240 Start: 115655, Stop: 115834, Start Num: 5
Candidate Starts for Forrest_240:
(Start: 5 @115655 has 13 MA's), (9, 115700), (16, 115826),

Gene: Francob_245 Start: 116272, Stop: 116451, Start Num: 5
Candidate Starts for Francob_245:
(Start: 5 @116272 has 13 MA's), (9, 116317), (16, 116443),

Gene: Gilson_241 Start: 115537, Stop: 115716, Start Num: 5
Candidate Starts for Gilson_241:

(Start: 5 @115537 has 13 MA's), (9, 115582), (16, 115708),

Gene: Jada_239 Start: 114895, Stop: 115074, Start Num: 5
Candidate Starts for Jada_239:
(Start: 5 @114895 has 13 MA's), (9, 114940), (16, 115066),

Gene: Karp_237 Start: 117178, Stop: 117357, Start Num: 5
Candidate Starts for Karp_237:
(Start: 5 @117178 has 13 MA's), (9, 117223), (16, 117349),

Gene: Kenrey_247 Start: 116564, Stop: 116746, Start Num: 6
Candidate Starts for Kenrey_247:
(1, 116477), (2, 116480), (Start: 6 @116564 has 1 MA's), (7, 116570), (8, 116582), (11, 116654), (14, 116708),

Gene: MeganTheeKilla_244 Start: 115437, Stop: 115616, Start Num: 5
Candidate Starts for MeganTheeKilla_244:
(Start: 5 @115437 has 13 MA's), (9, 115482), (16, 115608),

Gene: Moab_244 Start: 117732, Stop: 117911, Start Num: 4
Candidate Starts for Moab_244:
(Start: 4 @117732 has 2 MA's), (10, 117813), (13, 117873), (15, 117897),

Gene: Patelgo_243 Start: 117979, Stop: 118158, Start Num: 4
Candidate Starts for Patelgo_243:
(3, 117952), (Start: 4 @117979 has 2 MA's), (10, 118060), (13, 118120), (15, 118144),

Gene: Phredrick_246 Start: 115313, Stop: 115492, Start Num: 5
Candidate Starts for Phredrick_246:
(Start: 5 @115313 has 13 MA's), (9, 115358), (16, 115484),

Gene: SparkleGoddess_239 Start: 116452, Stop: 116631, Start Num: 5
Candidate Starts for SparkleGoddess_239:
(Start: 5 @116452 has 13 MA's), (9, 116497), (16, 116623),

Gene: Stigma_237 Start: 116417, Stop: 116596, Start Num: 5
Candidate Starts for Stigma_237:
(Start: 5 @116417 has 13 MA's), (9, 116462), (16, 116588),