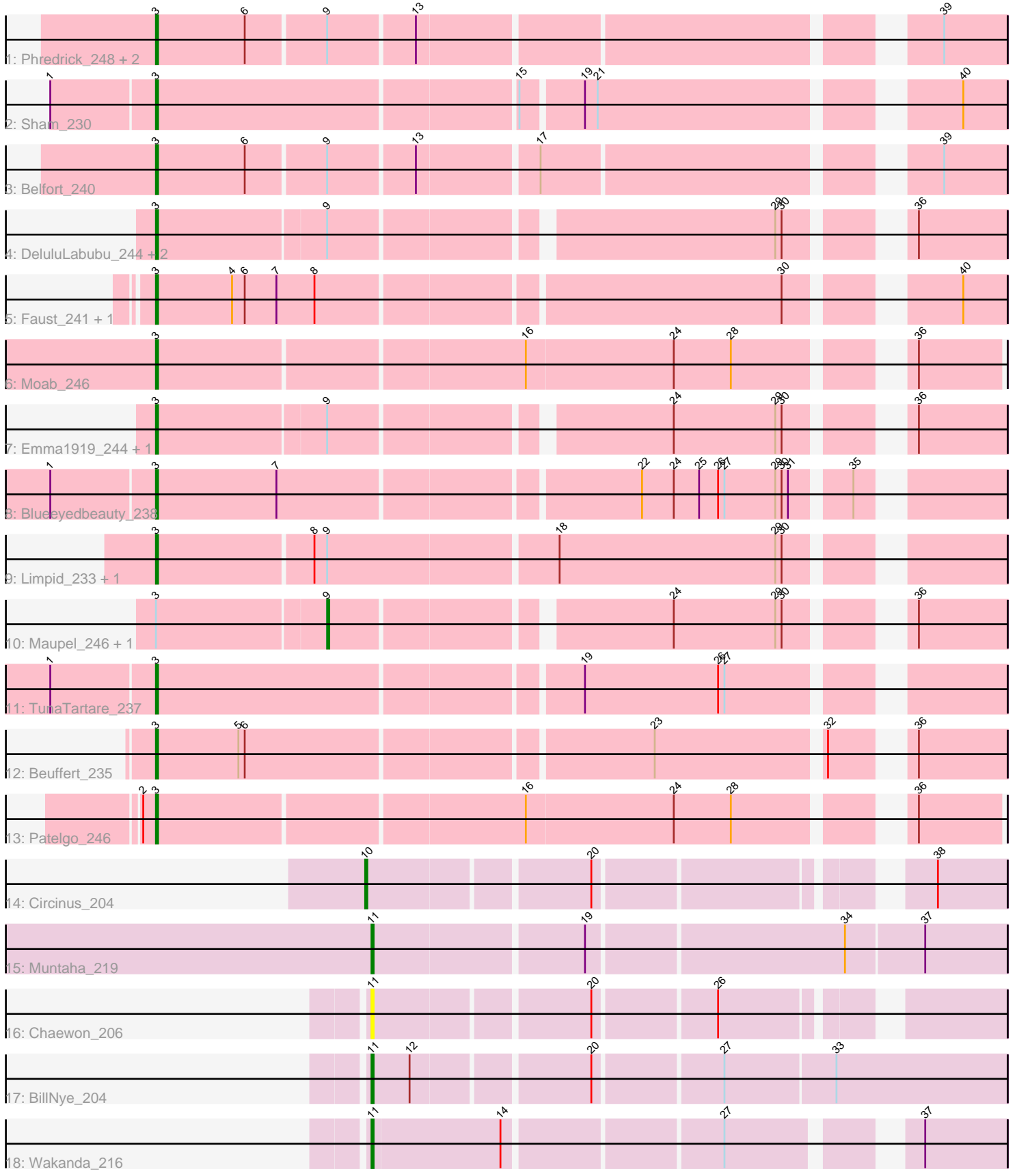


Pham 306772



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 306772 Report

This analysis was run 06/27/26 on database version 652.

Pham number 306772 has 26 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Phredrick_248, MeganTheeKilla_246, Kenrey_249
- Track 2 : Sham_230
- Track 3 : Belfort_240
- Track 4 : DeluluLabubu_244, Jada_241, Forrest_242
- Track 5 : Faust_241, SeresaTree_245
- Track 6 : Moab_246
- Track 7 : Emma1919_244, Francob_247
- Track 8 : Blueeyedbeauty_238
- Track 9 : Limpid_233, Annadreamy_226
- Track 10 : Maupel_246, Gilson_243
- Track 11 : TunaTartare_237
- Track 12 : Beuffert_235
- Track 13 : Patelgo_246
- Track 14 : Circinus_204
- Track 15 : Muntaha_219
- Track 16 : Chaewon_206
- Track 17 : BillNye_204
- Track 18 : Wakanda_216

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

The start number called the most often in the published annotations is 3, it was called in 18 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_226, Belfort_240, Beuffert_235, Blueeyedbeauty_238, DeluluLabubu_244, Emma1919_244, Faust_241, Forrest_242, Francob_247, Jada_241, Kenrey_249, Limpid_233, MeganTheeKilla_246, Moab_246, Patelgo_246, Phredrick_248, SeresaTree_245, Sham_230, TunaTartare_237,

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

- Gilson_243, Maupel_246,

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

- BillNye_204, Chaewon_206, Circinus_204, Muntaha_219, Wakanda_216,

Summary by start number:

Start 3:

- Found in 21 of 26 (80.8%) of genes in pham
- Manual Annotations of this start: 18 of 23
- Called 90.5% of time when present
- Phage (with cluster) where this start called: Annadreamy_226 (BK1), Belfort_240 (BK1), Beuffert_235 (BK1), Blueeyedbeauty_238 (BK1), DeluluLabubu_244 (BK1), Emma1919_244 (BK1), Faust_241 (BK1), Forrest_242 (BK1), Francob_247 (BK1), Jada_241 (BK1), Kenrey_249 (BK1), Limpid_233 (BK1), MeganTheeKilla_246 (BK1), Moab_246 (BK1), Patelgo_246 (BK1), Phredrick_248 (BK1), SeresaTree_245 (BK1), Sham_230 (BK1), TunaTartare_237 (BK1),

Start 9:

- Found in 13 of 26 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 15.4% of time when present
- Phage (with cluster) where this start called: Gilson_243 (BK1), Maupel_246 (BK1),

Start 10:

- Found in 1 of 26 (3.8%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Circinus_204 (BK2),

Start 11:

- Found in 4 of 26 (15.4%) of genes in pham
- Manual Annotations of this start: 3 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BillNye_204 (BK2), Chaewon_206 (BK2), Muntaha_219 (BK2), Wakanda_216 (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 18 times for cluster BK1.
- Start number 9 was manually annotated 1 time for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 10 was manually annotated 1 time for cluster BK2.
- Start number 11 was manually annotated 3 times for cluster BK2.

Gene Information:

Gene: Annadreamy_226 Start: 110967, Stop: 111338, Start Num: 3

Candidate Starts for Annadreamy_226:

(Start: 3 @110967 has 18 MA's), (8, 111039), (Start: 9 @111045 has 1 MA's), (18, 111150), (29, 111252), (30, 111255),

Gene: Belfort_240 Start: 116142, Stop: 116507, Start Num: 3

Candidate Starts for Belfort_240:

(Start: 3 @116142 has 18 MA's), (6, 116184), (Start: 9 @116220 has 1 MA's), (13, 116259), (17, 116313), (39, 116478),

Gene: Beuffert_235 Start: 115208, Stop: 115576, Start Num: 3

Candidate Starts for Beuffert_235:

(Start: 3 @115208 has 18 MA's), (5, 115247), (6, 115250), (23, 115433), (32, 115508), (36, 115535),

Gene: BillNye_204 Start: 107768, Stop: 108052, Start Num: 11

Candidate Starts for BillNye_204:

(Start: 11 @107768 has 3 MA's), (12, 107786), (20, 107864), (27, 107921), (33, 107972),

Gene: Blueeyedbeauty_238 Start: 115286, Stop: 115654, Start Num: 3

Candidate Starts for Blueeyedbeauty_238:

(1, 115238), (Start: 3 @115286 has 18 MA's), (7, 115343), (22, 115505), (24, 115520), (25, 115532), (26, 115541), (27, 115544), (29, 115568), (30, 115571), (31, 115574), (35, 115598),

Gene: Chaewon_206 Start: 107690, Stop: 107953, Start Num: 11

Candidate Starts for Chaewon_206:

(Start: 11 @107690 has 3 MA's), (20, 107786), (26, 107840),

Gene: Circinus_204 Start: 107387, Stop: 107653, Start Num: 10

Candidate Starts for Circinus_204:

(Start: 10 @107387 has 1 MA's), (20, 107486), (38, 107621),

Gene: DeluluLabubu_244 Start: 116433, Stop: 116792, Start Num: 3

Candidate Starts for DeluluLabubu_244:

(Start: 3 @116433 has 18 MA's), (Start: 9 @116511 has 1 MA's), (29, 116706), (30, 116709), (36, 116751),

Gene: Emma1919_244 Start: 115386, Stop: 115745, Start Num: 3

Candidate Starts for Emma1919_244:

(Start: 3 @115386 has 18 MA's), (Start: 9 @115464 has 1 MA's), (24, 115611), (29, 115659), (30, 115662), (36, 115704),

Gene: Faust_241 Start: 117262, Stop: 117630, Start Num: 3

Candidate Starts for Faust_241:

(Start: 3 @117262 has 18 MA's), (4, 117298), (6, 117304), (7, 117319), (8, 117337), (30, 117547), (40, 117610),

Gene: Forrest_242 Start: 116144, Stop: 116503, Start Num: 3

Candidate Starts for Forrest_242:

(Start: 3 @116144 has 18 MA's), (Start: 9 @116222 has 1 MA's), (29, 116417), (30, 116420), (36, 116462),

Gene: Francob_247 Start: 116761, Stop: 117120, Start Num: 3

Candidate Starts for Francob_247:

(Start: 3 @116761 has 18 MA's), (Start: 9 @116839 has 1 MA's), (24, 116986), (29, 117034), (30, 117037), (36, 117079),

Gene: Gilson_243 Start: 116104, Stop: 116385, Start Num: 9

Candidate Starts for Gilson_243:

(Start: 3 @116026 has 18 MA's), (Start: 9 @116104 has 1 MA's), (24, 116251), (29, 116299), (30, 116302), (36, 116344),

Gene: Jada_241 Start: 115384, Stop: 115743, Start Num: 3

Candidate Starts for Jada_241:

(Start: 3 @115384 has 18 MA's), (Start: 9 @115462 has 1 MA's), (29, 115657), (30, 115660), (36, 115702),

Gene: Kenrey_249 Start: 116967, Stop: 117332, Start Num: 3

Candidate Starts for Kenrey_249:

(Start: 3 @116967 has 18 MA's), (6, 117009), (Start: 9 @117045 has 1 MA's), (13, 117084), (39, 117303),

Gene: Limpid_233 Start: 116280, Stop: 116651, Start Num: 3

Candidate Starts for Limpid_233:

(Start: 3 @116280 has 18 MA's), (8, 116352), (Start: 9 @116358 has 1 MA's), (18, 116463), (29, 116565), (30, 116568),

Gene: Maupel_246 Start: 115297, Stop: 115578, Start Num: 9

Candidate Starts for Maupel_246:

(Start: 3 @115219 has 18 MA's), (Start: 9 @115297 has 1 MA's), (24, 115444), (29, 115492), (30, 115495), (36, 115537),

Gene: MeganTheeKilla_246 Start: 115926, Stop: 116291, Start Num: 3

Candidate Starts for MeganTheeKilla_246:

(Start: 3 @115926 has 18 MA's), (6, 115968), (Start: 9 @116004 has 1 MA's), (13, 116043), (39, 116262),

Gene: Moab_246 Start: 118194, Stop: 118562, Start Num: 3

Candidate Starts for Moab_246:

(Start: 3 @118194 has 18 MA's), (16, 118362), (24, 118431), (28, 118458), (36, 118524),

Gene: Muntaha_219 Start: 107487, Stop: 107774, Start Num: 11

Candidate Starts for Muntaha_219:

(Start: 11 @107487 has 3 MA's), (19, 107583), (34, 107700), (37, 107736),

Gene: Patelgo_246 Start: 118620, Stop: 118988, Start Num: 3

Candidate Starts for Patelgo_246:

(2, 118614), (Start: 3 @118620 has 18 MA's), (16, 118788), (24, 118857), (28, 118884), (36, 118950),

Gene: Phredrick_248 Start: 115802, Stop: 116167, Start Num: 3

Candidate Starts for Phredrick_248:

(Start: 3 @115802 has 18 MA's), (6, 115844), (Start: 9 @115880 has 1 MA's), (13, 115919), (39, 116138),

Gene: SeresaTree_245 Start: 117487, Stop: 117855, Start Num: 3

Candidate Starts for SeresaTree_245:

(Start: 3 @117487 has 18 MA's), (4, 117523), (6, 117529), (7, 117544), (8, 117562), (30, 117772), (40, 117835),

Gene: Sham_230 Start: 116828, Stop: 117196, Start Num: 3

Candidate Starts for Sham_230:

(1, 116780), (Start: 3 @116828 has 18 MA's), (15, 116993), (19, 117020), (21, 117026), (40, 117176),

Gene: TunaTartare_237 Start: 118657, Stop: 119025, Start Num: 3

Candidate Starts for TunaTartare_237:

(1, 118609), (Start: 3 @118657 has 18 MA's), (19, 118849), (26, 118912), (27, 118915),

Gene: Wakanda_216 Start: 106872, Stop: 107138, Start Num: 11

Candidate Starts for Wakanda_216:

(Start: 11 @106872 has 3 MA's), (14, 106932), (27, 107028), (37, 107100),