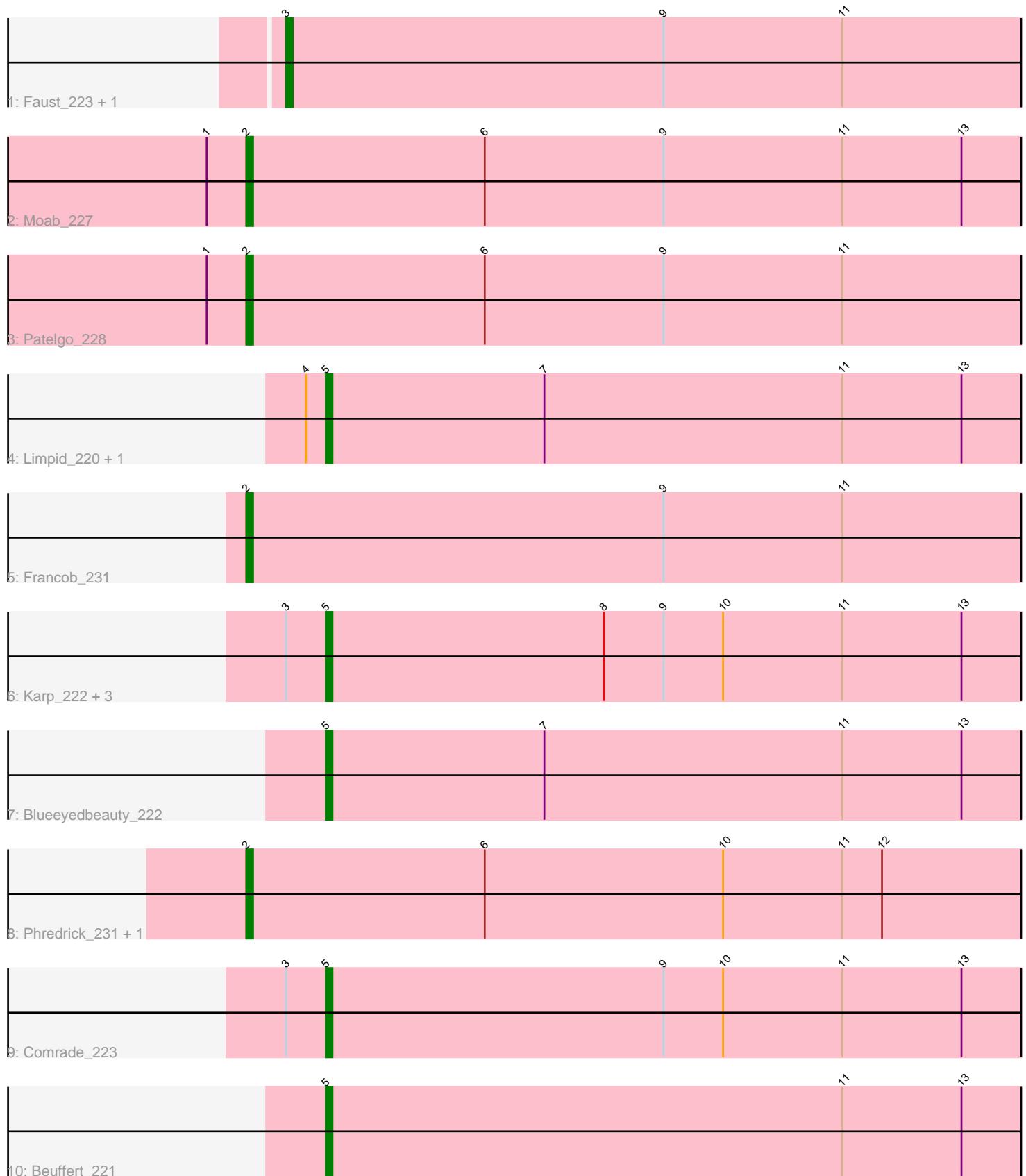# Pham 274771

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 274771 Report

This analysis was run 02/07/26 on database version 634.

Pham number 274771 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Faust_223, SeresaTree_227
• Track 2 : Moab_227
• Track 3 : Patelgo_228
• Track 4 : Limpid_220, Annadreamy_213
• Track 5 : Francob_231
• Track 6 : Karp_222, Stigma_225, Belfort_226, SparkleGoddess_226
• Track 7 : Blueeyedbeauty_222
• Track 8 : Phredrick_231, Kenrey_234
• Track 9 : Comrade_223
• Track 10 : Beuffert_221

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 9 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_213, Belfort_226, Beuffert_221, Blueeyedbeauty_222, Comrade_223, Karp_222, Limpid_220, SparkleGoddess_226, Stigma_225,

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

Genes that do not have the "Most Annotated" start:
• Faust_223, Francob_231, Kenrey_234, Moab_227, Patelgo_228, Phredrick_231, SeresaTree_227,

Summary by start number:

Start 2:
• Found in 5 of 16 (31.2%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Francob_231 (BK1), Kenrey_234 (BK1), Moab_227 (BK1), Patelgo_228 (BK1), Phredrick_231 (BK1),

Start 3:
• Found in 7 of 16 (43.8%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Faust_223 (BK1), SeresaTree_227 (BK1),

Start 5:
• Found in 9 of 16 (56.2%) of genes in pham
• Manual Annotations of this start: 9 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_213 (BK1), Belfort_226 (BK1), Beuffert_221 (BK1), Blueeyedbeauty_222 (BK1), Comrade_223 (BK1), Karp_222 (BK1), Limpid_220 (BK1), SparkleGoddess_226 (BK1), Stigma_225 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 5 times for cluster BK1.
•Start number 3 was manually annotated 1 time for cluster BK1.
•Start number 5 was manually annotated 9 times for cluster BK1.

Gene Information:

Gene: Annadreamy_213 Start: 106593, Stop: 106697, Start Num: 5
Candidate Starts for Annadreamy_213:
(4, 106590), (Start: 5 @106593 has 9 MA's), (7, 106626), (11, 106671), (13, 106689),

Gene: Belfort_226 Start: 111617, Stop: 111721, Start Num: 5
Candidate Starts for Belfort_226:
(Start: 3 @111611 has 1 MA's), (Start: 5 @111617 has 9 MA's), (8, 111659), (9, 111668), (10, 111677), (11, 111695), (13, 111713),

Gene: Beuffert_221 Start: 110760, Stop: 110864, Start Num: 5
Candidate Starts for Beuffert_221:
(Start: 5 @110760 has 9 MA's), (11, 110838), (13, 110856),

Gene: Blueeyedbeauty_222 Start: 110293, Stop: 110397, Start Num: 5
Candidate Starts for Blueeyedbeauty_222:
(Start: 5 @110293 has 9 MA's), (7, 110326), (11, 110371), (13, 110389),

Gene: Comrade_223 Start: 111816, Stop: 111920, Start Num: 5
Candidate Starts for Comrade_223:
(Start: 3 @111810 has 1 MA's), (Start: 5 @111816 has 9 MA's), (9, 111867), (10, 111876), (11, 111894), (13, 111912),

Gene: Faust_223 Start: 111938, Stop: 112048, Start Num: 3
Candidate Starts for Faust_223:
(Start: 3 @111938 has 1 MA's), (9, 111995), (11, 112022),

Gene: Francob_231 Start: 111376, Stop: 111492, Start Num: 2
Candidate Starts for Francob_231:
(Start: 2 @111376 has 5 MA's), (9, 111439), (11, 111466),

Gene: Karp_222 Start: 111983, Stop: 112087, Start Num: 5
Candidate Starts for Karp_222:
(Start: 3 @111977 has 1 MA's), (Start: 5 @111983 has 9 MA's), (8, 112025), (9, 112034), (10, 112043), (11, 112061), (13, 112079),

Gene: Kenrey_234 Start: 112027, Stop: 112143, Start Num: 2
Candidate Starts for Kenrey_234:
(Start: 2 @112027 has 5 MA's), (6, 112063), (10, 112099), (11, 112117), (12, 112123),

Gene: Limpid_220 Start: 111906, Stop: 112010, Start Num: 5
Candidate Starts for Limpid_220:
(4, 111903), (Start: 5 @111906 has 9 MA's), (7, 111939), (11, 111984), (13, 112002),

Gene: Moab_227 Start: 112650, Stop: 112766, Start Num: 2
Candidate Starts for Moab_227:
(1, 112644), (Start: 2 @112650 has 5 MA's), (6, 112686), (9, 112713), (11, 112740), (13, 112758),

Gene: Patelgo_228 Start: 113080, Stop: 113196, Start Num: 2
Candidate Starts for Patelgo_228:
(1, 113074), (Start: 2 @113080 has 5 MA's), (6, 113116), (9, 113143), (11, 113170),

Gene: Phredrick_231 Start: 110207, Stop: 110323, Start Num: 2
Candidate Starts for Phredrick_231:
(Start: 2 @110207 has 5 MA's), (6, 110243), (10, 110279), (11, 110297), (12, 110303),

Gene: SeresaTree_227 Start: 111924, Stop: 112034, Start Num: 3
Candidate Starts for SeresaTree_227:
(Start: 3 @111924 has 1 MA's), (9, 111981), (11, 112008),

Gene: SparkleGoddess_226 Start: 112044, Stop: 112148, Start Num: 5
Candidate Starts for SparkleGoddess_226:
(Start: 3 @112038 has 1 MA's), (Start: 5 @112044 has 9 MA's), (8, 112086), (9, 112095), (10, 112104), (11, 112122), (13, 112140),

Gene: Stigma_225 Start: 112250, Stop: 112354, Start Num: 5
Candidate Starts for Stigma_225:
(Start: 3 @112244 has 1 MA's), (Start: 5 @112250 has 9 MA's), (8, 112292), (9, 112301), (10, 112310), (11, 112328), (13, 112346),