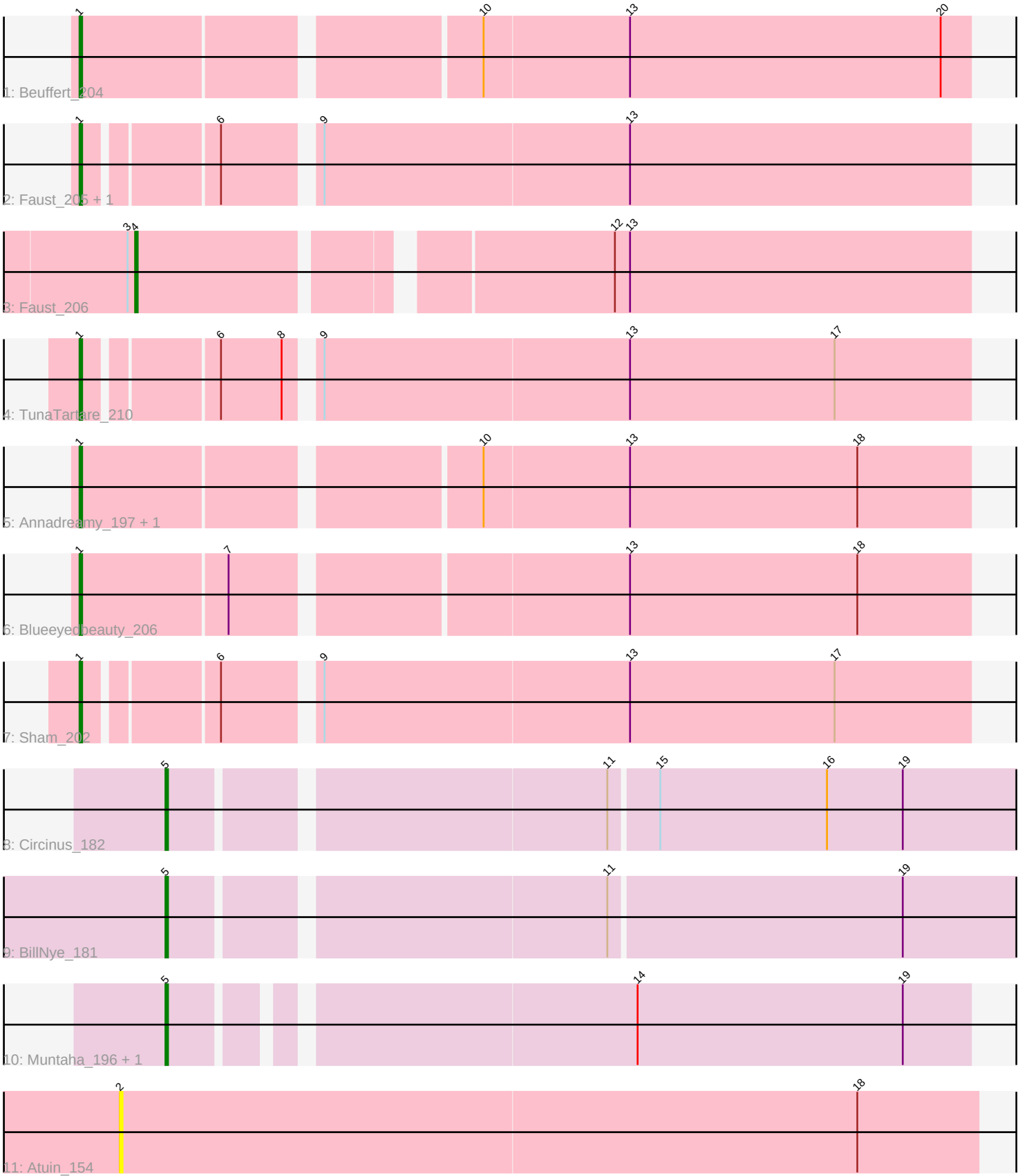
Pham 170435


1
10
13
20
1: Beuffert_204
1
6
9
13
2: Faust_205 + 1
3
4
12
13
3: Faust_206
1
6
8
9
13
17
4: TunaTartare_210
1
10
13
18
5: Annadreamy_197 + 1
1
7
13
18
6: Blueeyedbeauty_206
1
6
9
13
17
7: Sham_202
5
11
15
16
19
8: Circinus_182
5
11
19
9: BillNye_181
5
14
19
10: Muntaha_196 + 1
2
18
11: Atuin_154

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 170435 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170435 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Beuffert_204
• Track 2 : Faust_205, SeresaTree_209
• Track 3 : Faust_206
• Track 4 : TunaTartare_210
• Track 5 : Annadreamy_197, Limpid_204
• Track 6 : Blueeyedbeauty_206
• Track 7 : Sham_202
• Track 8 : Circinus_182
• Track 9 : BillNye_181
• Track 10 : Muntaha_196, Wakanda_196
• Track 11 : Atuin_154

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_197, Beuffert_204, Blueeyedbeauty_206, Faust_205, Limpid_204, SeresaTree_209, Sham_202, TunaTartare_210,

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

Genes that do not have the "Most Annotated" start:
• Atuin_154, BillNye_181, Circinus_182, Faust_206, Muntaha_196, Wakanda_196,

Summary by start number:

Start 1:
• Found in 8 of 14 (57.1%) of genes in pham
• Manual Annotations of this start: 7 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Annadreamy_197 (BK1), Beuffert_204 (BK1), Blueeyedbeauty_206 (BK1), Faust_205 (BK1), Limpid_204 (BK1), SeresaTree_209 (BK1), Sham_202 (BK1), TunaTartare_210 (BK1),

Start 2:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_154 (FC),

Start 4:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faust_206 (BK1),

Start 5:
• Found in 4 of 14 (28.6%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_181 (BK2), Circinus_182 (BK2), Muntaha_196 (BK2), Wakanda_196 (BK2),

Summary by clusters:

There are 3 clusters represented in this pham: FC, BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 1 was manually annotated 7 times for cluster BK1.
•Start number 4 was manually annotated 1 time for cluster BK1.

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

Gene Information:

Gene: Annadreamy_197 Start: 100178, Stop: 100516, Start Num: 1
Candidate Starts for Annadreamy_197:
(Start: 1 @100178 has 7 MA's), (10, 100325), (13, 100382), (18, 100472),

Gene: Atuin_154 Start: 104650, Stop: 104988, Start Num: 2
Candidate Starts for Atuin_154:
(2, 104650), (18, 104941),

Gene: Beuffert_204 Start: 104170, Stop: 104508, Start Num: 1
Candidate Starts for Beuffert_204:
(Start: 1 @104170 has 7 MA's), (10, 104317), (13, 104374), (20, 104497),

Gene: BillNye_181 Start: 99832, Stop: 100167, Start Num: 5
Candidate Starts for BillNye_181:

(Start: 5 @99832 has 4 MA's), (11, 99994), (19, 100108),

Gene: Blueeyedbeauty_206 Start: 103898, Stop: 104236, Start Num: 1
Candidate Starts for Blueeyedbeauty_206:
(Start: 1 @103898 has 7 MA's), (7, 103955), (13, 104102), (18, 104192),

Gene: Circinus_182 Start: 99644, Stop: 99973, Start Num: 5
Candidate Starts for Circinus_182:
(Start: 5 @99644 has 4 MA's), (11, 99806), (15, 99824), (16, 99890), (19, 99920),

Gene: Faust_205 Start: 105087, Stop: 105422, Start Num: 1
Candidate Starts for Faust_205:
(Start: 1 @105087 has 7 MA's), (6, 105135), (9, 105168), (13, 105288),

Gene: Faust_206 Start: 105463, Stop: 105774, Start Num: 4
Candidate Starts for Faust_206:
(3, 105460), (Start: 4 @105463 has 1 MA's), (12, 105634), (13, 105640),

Gene: Limpid_204 Start: 105491, Stop: 105829, Start Num: 1
Candidate Starts for Limpid_204:
(Start: 1 @105491 has 7 MA's), (10, 105638), (13, 105695), (18, 105785),

Gene: Muntaha_196 Start: 99557, Stop: 99856, Start Num: 5
Candidate Starts for Muntaha_196:
(Start: 5 @99557 has 4 MA's), (14, 99725), (19, 99830),

Gene: SeresaTree_209 Start: 105072, Stop: 105407, Start Num: 1
Candidate Starts for SeresaTree_209:
(Start: 1 @105072 has 7 MA's), (6, 105120), (9, 105153), (13, 105273),

Gene: Sham_202 Start: 106470, Stop: 106805, Start Num: 1
Candidate Starts for Sham_202:
(Start: 1 @106470 has 7 MA's), (6, 106518), (9, 106551), (13, 106671), (17, 106752),

Gene: TunaTartare_210 Start: 108768, Stop: 109103, Start Num: 1
Candidate Starts for TunaTartare_210:
(Start: 1 @108768 has 7 MA's), (6, 108816), (8, 108840), (9, 108849), (13, 108969), (17, 109050),

Gene: Wakanda_196 Start: 99838, Stop: 100137, Start Num: 5
Candidate Starts for Wakanda_196:
(Start: 5 @99838 has 4 MA's), (14, 100006), (19, 100111),