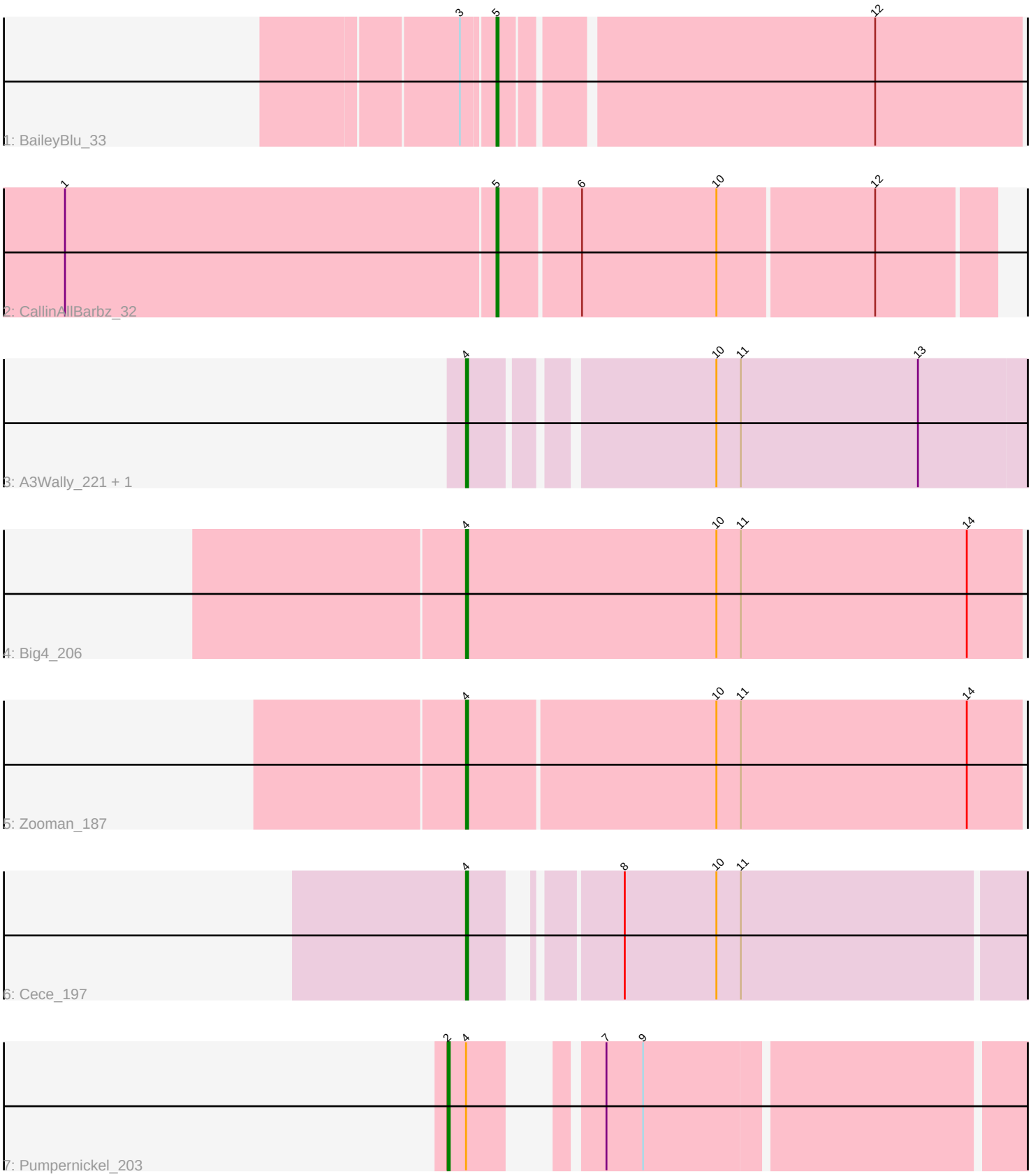
Pham 172021


3
5
12
1: BaileyBlu_33
1
5
6
10
12
2: CallinAllBarbz_32
4
10
11
13
3: A3Wally_221 + 1
4
10
11
14
4: Big4_206
4
10
11
14
5: Zooman_187
4
8
10
11
6: Cece_197
2
4
7
9
7: Pumpernickel_203

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 172021 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172021 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BaileyBlu_33
• Track 2 : CallinAllBarbz_32
• Track 3 : A3Wally_221, PauloDiaboli_221
• Track 4 : Big4_206
• Track 5 : Zooman_187
• Track 6 : Cece_197
• Track 7 : Pumpernickel_203

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_221, Big4_206, Cece_197, PauloDiaboli_221, Zooman_187,

Genes that have the "Most Annotated" start but do not call it:
• Pumpernickel_203,

Genes that do not have the "Most Annotated" start:
• BaileyBlu_33, CallinAllBarbz_32,

Summary by start number:

Start 2:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pumpernickel_203 (GD4),

Start 4:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 83.3% of time when present

• Phage (with cluster) where this start called: A3Wally_221 (GD1), Big4_206 (GD2), Cece_197 (GD3), PauloDiaboli_221 (GD1), Zooman_187 (GD2),

Start 5:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_33 (FP), CallinAllBarbz_32 (FP),

Summary by clusters:

There are 5 clusters represented in this pham: FP, GD1, GD2, GD3, GD4,

Info for manual annotations of cluster FP:
•Start number 5 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster GD1:
•Start number 4 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 4 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 4 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 2 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_221 Start: 119347, Stop: 119087, Start Num: 4
Candidate Starts for A3Wally_221:
(Start: 4 @119347 has 5 MA's), (10, 119239), (11, 119227), (13, 119140),

Gene: BaileyBlu_33 Start: 24089, Stop: 24334, Start Num: 5
Candidate Starts for BaileyBlu_33:
(3, 24074), (Start: 5 @24089 has 2 MA's), (12, 24263),

Gene: Big4_206 Start: 115772, Stop: 115500, Start Num: 4
Candidate Starts for Big4_206:
(Start: 4 @115772 has 5 MA's), (10, 115649), (11, 115637), (14, 115526),

Gene: CallinAllBarbz_32 Start: 24070, Stop: 24306, Start Num: 5
Candidate Starts for CallinAllBarbz_32:
(1, 23860), (Start: 5 @24070 has 2 MA's), (6, 24109), (10, 24175), (12, 24250),

Gene: Cece_197 Start: 120223, Stop: 119972, Start Num: 4
Candidate Starts for Cece_197:
(Start: 4 @120223 has 5 MA's), (8, 120166), (10, 120121), (11, 120109),

Gene: PauloDiaboli_221 Start: 117560, Stop: 117300, Start Num: 4
Candidate Starts for PauloDiaboli_221:
(Start: 4 @117560 has 5 MA's), (10, 117452), (11, 117440), (13, 117353),

Gene: Pumpernickel_203 Start: 117028, Stop: 116777, Start Num: 2
Candidate Starts for Pumpernickel_203:
(Start: 2 @117028 has 1 MA's), (Start: 4 @117019 has 5 MA's), (7, 116980), (9, 116962),

Gene: Zooman_187 Start: 111993, Stop: 111724, Start Num: 4
Candidate Starts for Zooman_187:
(Start: 4 @111993 has 5 MA's), (10, 111873), (11, 111861), (14, 111750),