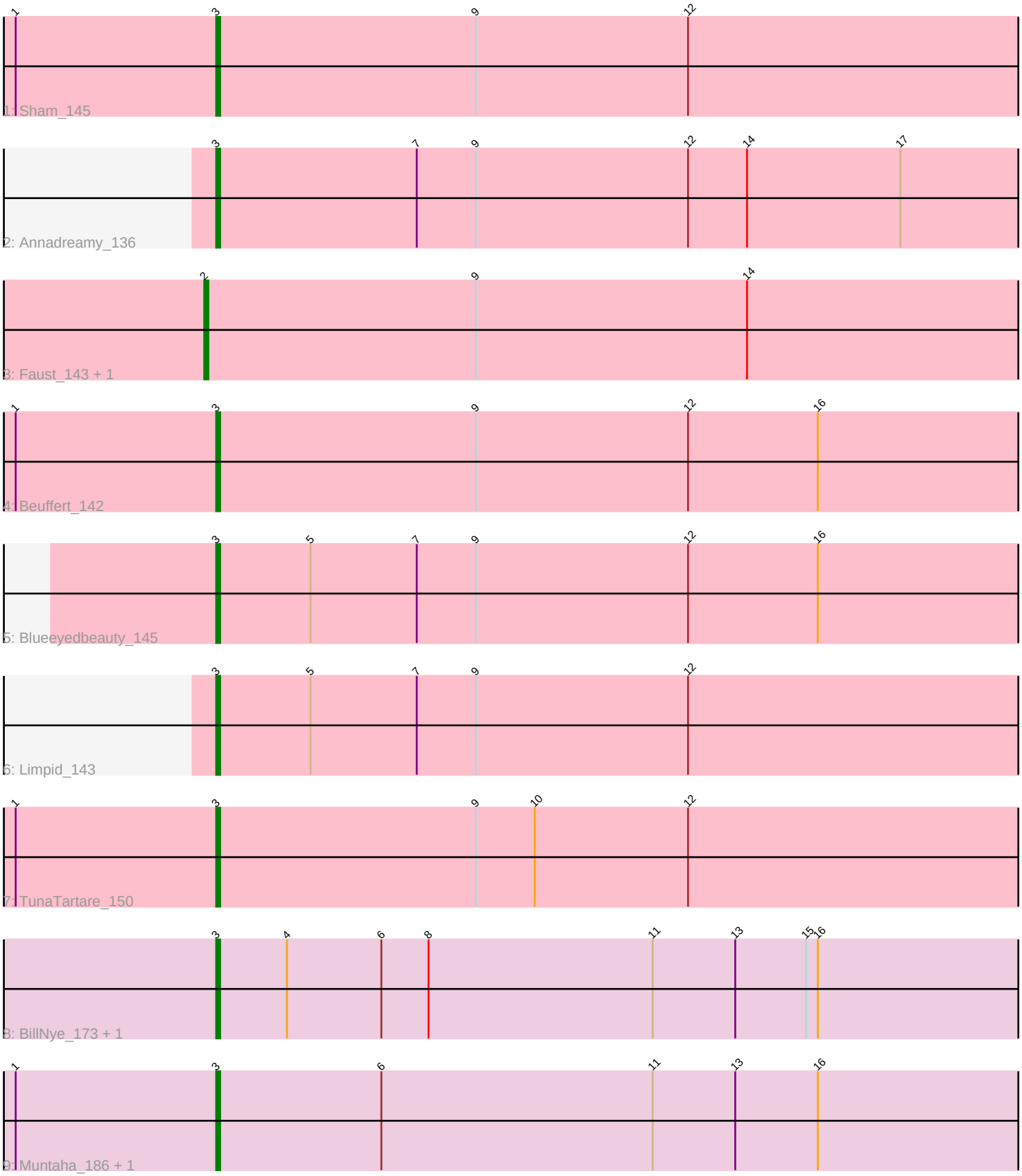
Pham 195855


1
3
9
12
1: Sham_145
3
7
9
12
14
17
2: Annadreamy_136
2
9
14
3: Faust_143 + 1
1
3
9
12
16
4: Beuffert_142
3
5
7
9
12
16
5: Blueeyedbeauty_145
3
5
7
9
12
6: Limpid_143
1
3
9
10
12
7: TunaTartare_150
3
4
6
8
11
13
15
16
8: BillNye_173 + 1
1
3
6
11
13
16
9: Muntaha_186 + 1

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 195855 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195855 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Sham_145
• Track 2 : Annadreamy_136
• Track 3 : Faust_143, SeresaTree_144
• Track 4 : Beuffert_142
• Track 5 : Blueeyedbeauty_145
• Track 6 : Limpid_143
• Track 7 : TunaTartare_150
• Track 8 : BillNye_173, Circinus_174
• Track 9 : Muntaha_186, Wakanda_185

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 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_136, Beuffert_142, BillNye_173, Blueeyedbeauty_145, Circinus_174, Limpid_143, Muntaha_186, Sham_145, TunaTartare_150, Wakanda_185,

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

Genes that do not have the "Most Annotated" start:
• Faust_143, SeresaTree_144,

Summary by start number:

Start 2:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faust_143 (BK1), SeresaTree_144 (BK1),

Start 3:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_136 (BK1), Beuffert_142 (BK1), BillNye_173 (BK2), Blueeyedbeauty_145 (BK1), Circinus_174 (BK2), Limpid_143 (BK1), Muntaha_186 (BK2), Sham_145 (BK1), TunaTartare_150 (BK1), Wakanda_185 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 1 time for cluster BK1.
•Start number 3 was manually annotated 6 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 3 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Annadreamy_136 Start: 78196, Stop: 78402, Start Num: 3
Candidate Starts for Annadreamy_136:
(Start: 3 @78196 has 10 MA's), (7, 78247), (9, 78262), (12, 78316), (14, 78331), (17, 78370),

Gene: Beuffert_142 Start: 82688, Stop: 82894, Start Num: 3
Candidate Starts for Beuffert_142:
(1, 82637), (Start: 3 @82688 has 10 MA's), (9, 82754), (12, 82808), (16, 82841),

Gene: BillNye_173 Start: 96744, Stop: 96950, Start Num: 3
Candidate Starts for BillNye_173:
(Start: 3 @96744 has 10 MA's), (4, 96762), (6, 96786), (8, 96798), (11, 96855), (13, 96876), (15, 96894), (16, 96897),

Gene: Blueeyedbeauty_145 Start: 82630, Stop: 82836, Start Num: 3
Candidate Starts for Blueeyedbeauty_145:
(Start: 3 @82630 has 10 MA's), (5, 82654), (7, 82681), (9, 82696), (12, 82750), (16, 82783),

Gene: Circinus_174 Start: 96709, Stop: 96915, Start Num: 3
Candidate Starts for Circinus_174:
(Start: 3 @96709 has 10 MA's), (4, 96727), (6, 96751), (8, 96763), (11, 96820), (13, 96841), (15, 96859), (16, 96862),

Gene: Faust_143 Start: 84031, Stop: 84240, Start Num: 2
Candidate Starts for Faust_143:
(Start: 2 @84031 has 1 MA's), (9, 84100), (14, 84169),

Gene: Limpid_143 Start: 83501, Stop: 83707, Start Num: 3
Candidate Starts for Limpid_143:
(Start: 3 @83501 has 10 MA's), (5, 83525), (7, 83552), (9, 83567), (12, 83621),

Gene: Muntaha_186 Start: 96100, Stop: 96306, Start Num: 3
Candidate Starts for Muntaha_186:
(1, 96049), (Start: 3 @96100 has 10 MA's), (6, 96142), (11, 96211), (13, 96232), (16, 96253),

Gene: SeresaTree_144 Start: 83413, Stop: 83622, Start Num: 2
Candidate Starts for SeresaTree_144:
(Start: 2 @83413 has 1 MA's), (9, 83482), (14, 83551),

Gene: Sham_145 Start: 85913, Stop: 86119, Start Num: 3
Candidate Starts for Sham_145:
(1, 85862), (Start: 3 @85913 has 10 MA's), (9, 85979), (12, 86033),

Gene: TunaTartare_150 Start: 87170, Stop: 87376, Start Num: 3
Candidate Starts for TunaTartare_150:
(1, 87119), (Start: 3 @87170 has 10 MA's), (9, 87236), (10, 87251), (12, 87290),

Gene: Wakanda_185 Start: 96161, Stop: 96367, Start Num: 3
Candidate Starts for Wakanda_185:
(1, 96110), (Start: 3 @96161 has 10 MA's), (6, 96203), (11, 96272), (13, 96293), (16, 96314),