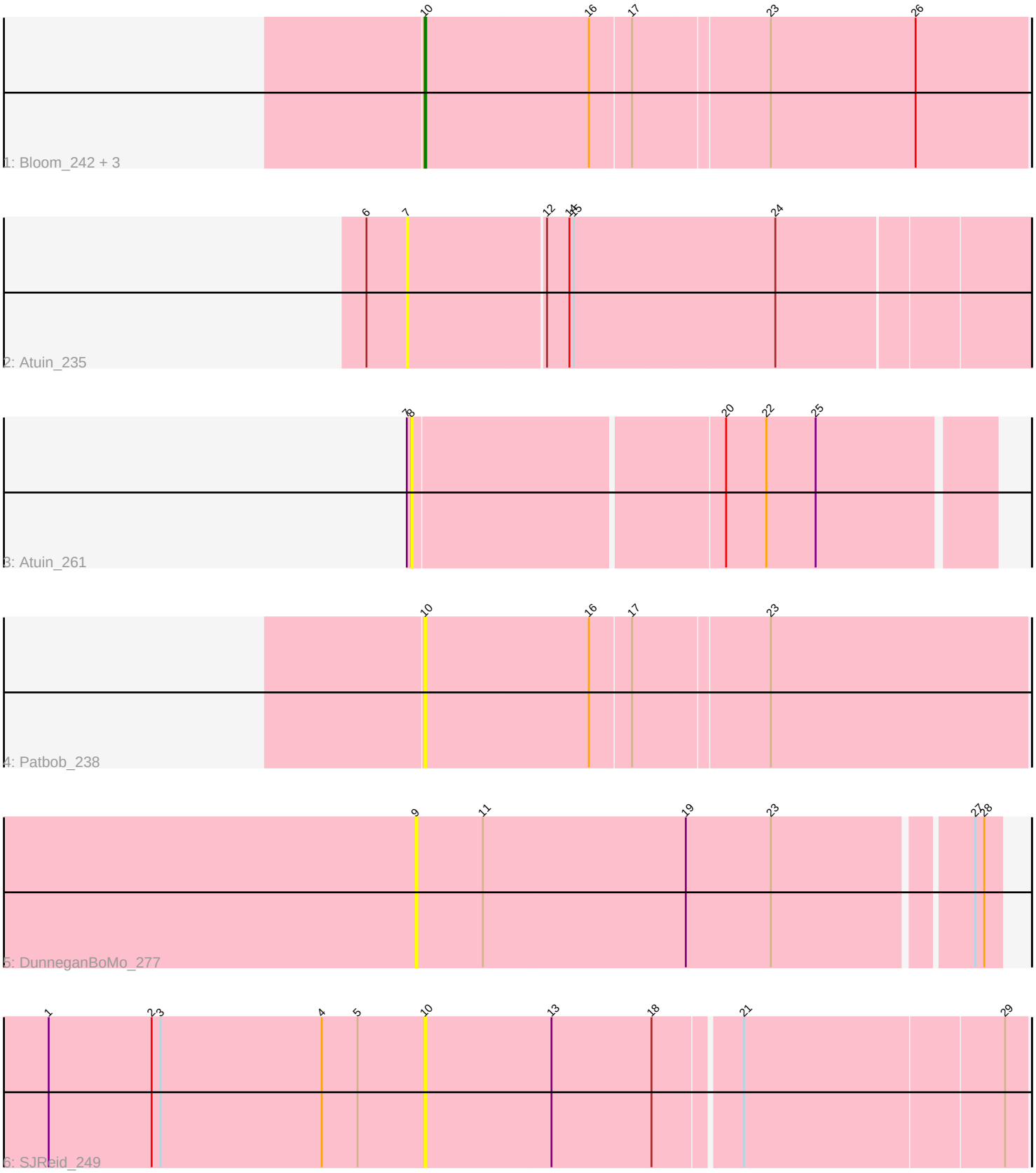
Pham 160963


10
16
17
23
26
1: Bloom_242 + 3
6
7
12
14
15
24
2: Atuin_235
8
20
22
25
3: Atuin_261
10
16
17
23
4: Patbob_238
9
11
19
23
27
28
5: DunneganBoMo_277
1
2
3
4
5
10
13
18
21
29
6: SJReid_249

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 160963 Report

This analysis was run 05/04/24 on database version 560.

Pham number 160963 has 9 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Bloom_242, Mimi_243, Racecar_240, Talia1610_240
• Track 2 : Atuin_235
• Track 3 : Atuin_261
• Track 4 : Patbob_238
• Track 5 : DunneganBoMo_277
• Track 6 : SJReid_249

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

The start number called the most often in the published annotations is 10, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_242, Mimi_243, Patbob_238, Racecar_240, SJReid_249, Talia1610_240,

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

Genes that do not have the "Most Annotated" start:
• Atuin_235, Atuin_261, DunneganBoMo_277,

Summary by start number:

Start 7:
• Found in 2 of 9 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Atuin_235 (FC),

Start 8:
• Found in 1 of 9 (11.1%) 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_261 (FC),

Start 9:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_277 (FC),

Start 10:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_242 (FC), Mimi_243 (FC), Patbob_238 (FC), Racecar_240 (FC), SJReid_249 (FC), Talia1610_240 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 10 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Atuin_235 Start: 153011, Stop: 153415, Start Num: 7
Candidate Starts for Atuin_235:
(6, 152984), (7, 153011), (12, 153101), (14, 153116), (15, 153119), (24, 153251),

Gene: Atuin_261 Start: 160901, Stop: 161272, Start Num: 8
Candidate Starts for Atuin_261:
(7, 160898), (8, 160901), (20, 161099), (22, 161126), (25, 161159),

Gene: Bloom_242 Start: 155581, Stop: 155973, Start Num: 10
Candidate Starts for Bloom_242:
(Start: 10 @155581 has 1 MA's), (16, 155689), (17, 155716), (23, 155803), (26, 155899),

Gene: DunneganBoMo_277 Start: 169817, Stop: 170197, Start Num: 9
Candidate Starts for DunneganBoMo_277:
(9, 169817), (11, 169862), (19, 169997), (23, 170054), (27, 170180), (28, 170186),

Gene: Mimi_243 Start: 154956, Stop: 155348, Start Num: 10
Candidate Starts for Mimi_243:
(Start: 10 @154956 has 1 MA's), (16, 155064), (17, 155091), (23, 155178), (26, 155274),

Gene: Patbob_238 Start: 155353, Stop: 155745, Start Num: 10
Candidate Starts for Patbob_238:
(Start: 10 @155353 has 1 MA's), (16, 155461), (17, 155488), (23, 155575),

Gene: Racecar_240 Start: 155335, Stop: 155727, Start Num: 10
Candidate Starts for Racecar_240:
(Start: 10 @155335 has 1 MA's), (16, 155443), (17, 155470), (23, 155557), (26, 155653),

Gene: SJReid_249 Start: 150543, Stop: 150932, Start Num: 10
Candidate Starts for SJReid_249:
(1, 150294), (2, 150363), (3, 150369), (4, 150477), (5, 150501), (Start: 10 @150543 has 1 MA's), (13, 150627), (18, 150693), (21, 150747), (29, 150918),

Gene: Talia1610_240 Start: 155365, Stop: 155757, Start Num: 10
Candidate Starts for Talia1610_240:
(Start: 10 @155365 has 1 MA's), (16, 155473), (17, 155500), (23, 155587), (26, 155683),