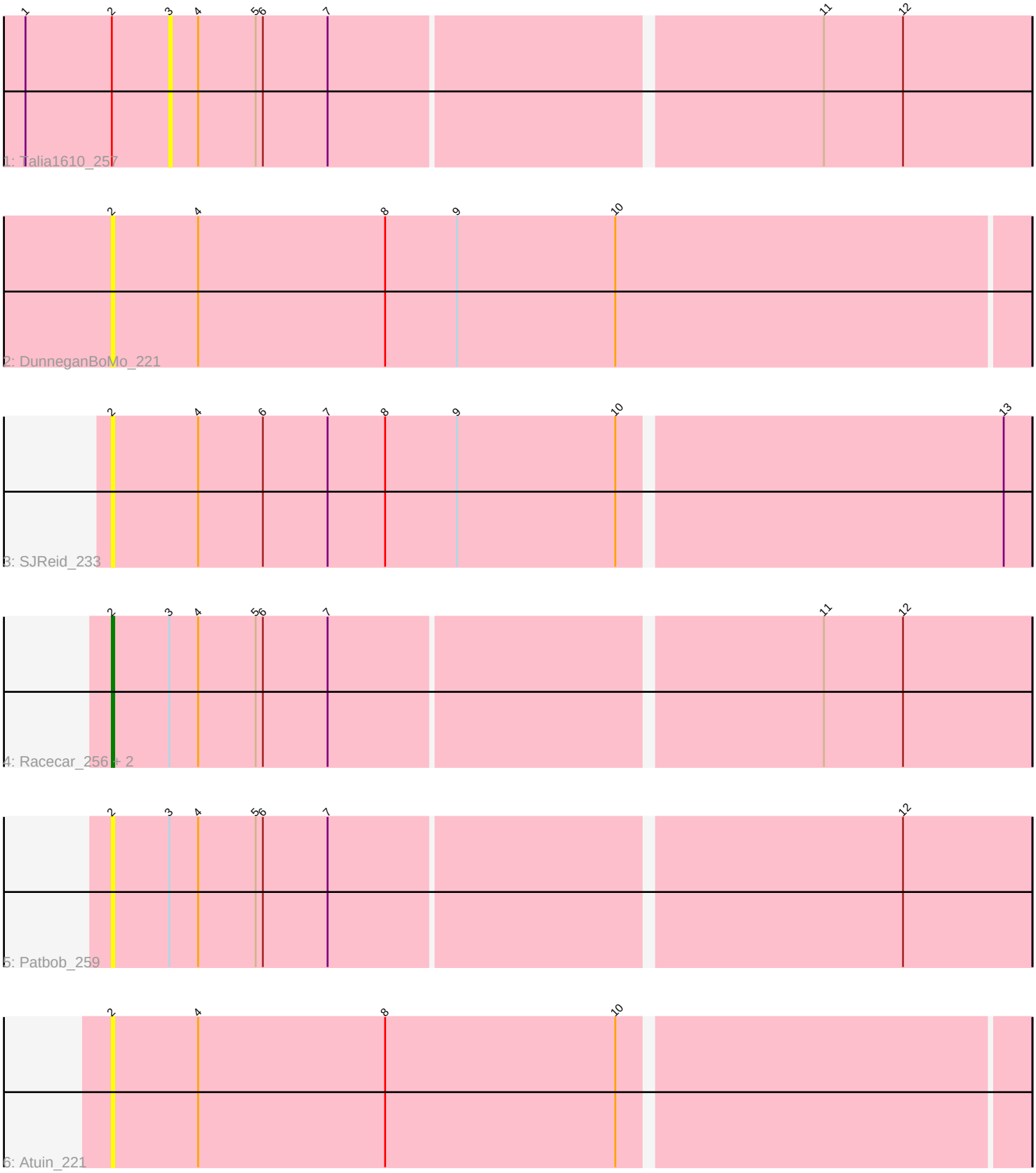
Pham 136162


1
2
3
4
5
6
7
11
12
1: Talia1610_257
2
4
8
9
10
2: DunneganBoMo_221
2
4
6
7
8
9
10
13
3: SJReid_233
2
3
4
5
6
7
11
12
4: Racecar_256 + 2
2
3
4
5
6
7
12
5: Patbob_259
2
4
8
10
6: Atuin_221

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 136162 Report

This analysis was run 04/05/24 on database version 557.

Pham number 136162 has 8 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Talia1610_257
• Track 2 : DunneganBoMo_221
• Track 3 : SJReid_233
• Track 4 : Racecar_256, Mimi_259, Bloom_258
• Track 5 : Patbob_259
• Track 6 : Atuin_221

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

The start number called the most often in the published annotations is 2, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_221, Bloom_258, DunneganBoMo_221, Mimi_259, Patbob_259, Racecar_256, SJReid_233,

Genes that have the "Most Annotated" start but do not call it:
• Talia1610_257,

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

Summary by start number:

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Atuin_221 (FC), Bloom_258 (FC), DunneganBoMo_221 (FC), Mimi_259 (FC), Patbob_259 (FC), Racecar_256 (FC), SJReid_233 (FC),

Start 3:
• Found in 5 of 8 (62.5%) of genes in pham

• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Talia1610_257 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

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

Gene Information:

Gene: Atuin_221 Start: 146557, Stop: 146931, Start Num: 2
Candidate Starts for Atuin_221:
(Start: 2 @146557 has 1 MA's), (4, 146593), (8, 146671), (10, 146767),

Gene: Bloom_258 Start: 162234, Stop: 162608, Start Num: 2
Candidate Starts for Bloom_258:
(Start: 2 @162234 has 1 MA's), (3, 162258), (4, 162270), (5, 162294), (6, 162297), (7, 162324), (11, 162522), (12, 162555),

Gene: DunneganBoMo_221 Start: 151282, Stop: 151662, Start Num: 2
Candidate Starts for DunneganBoMo_221:
(Start: 2 @151282 has 1 MA's), (4, 151318), (8, 151396), (9, 151426), (10, 151492),

Gene: Mimi_259 Start: 161609, Stop: 161983, Start Num: 2
Candidate Starts for Mimi_259:
(Start: 2 @161609 has 1 MA's), (3, 161633), (4, 161645), (5, 161669), (6, 161672), (7, 161699), (11, 161897), (12, 161930),

Gene: Patbob_259 Start: 163869, Stop: 164243, Start Num: 2
Candidate Starts for Patbob_259:
(Start: 2 @163869 has 1 MA's), (3, 163893), (4, 163905), (5, 163929), (6, 163932), (7, 163959), (12, 164190),

Gene: Racecar_256 Start: 161988, Stop: 162362, Start Num: 2
Candidate Starts for Racecar_256:
(Start: 2 @161988 has 1 MA's), (3, 162012), (4, 162024), (5, 162048), (6, 162051), (7, 162078), (11, 162276), (12, 162309),

Gene: SJReid_233 Start: 145033, Stop: 145410, Start Num: 2
Candidate Starts for SJReid_233:
(Start: 2 @145033 has 1 MA's), (4, 145069), (6, 145096), (7, 145123), (8, 145147), (9, 145177), (10, 145243), (13, 145399),

Gene: Talia1610_257 Start: 163606, Stop: 163956, Start Num: 3
Candidate Starts for Talia1610_257:
(1, 163546), (Start: 2 @163582 has 1 MA's), (3, 163606), (4, 163618), (5, 163642), (6, 163645), (7, 163672), (11, 163870), (12, 163903),