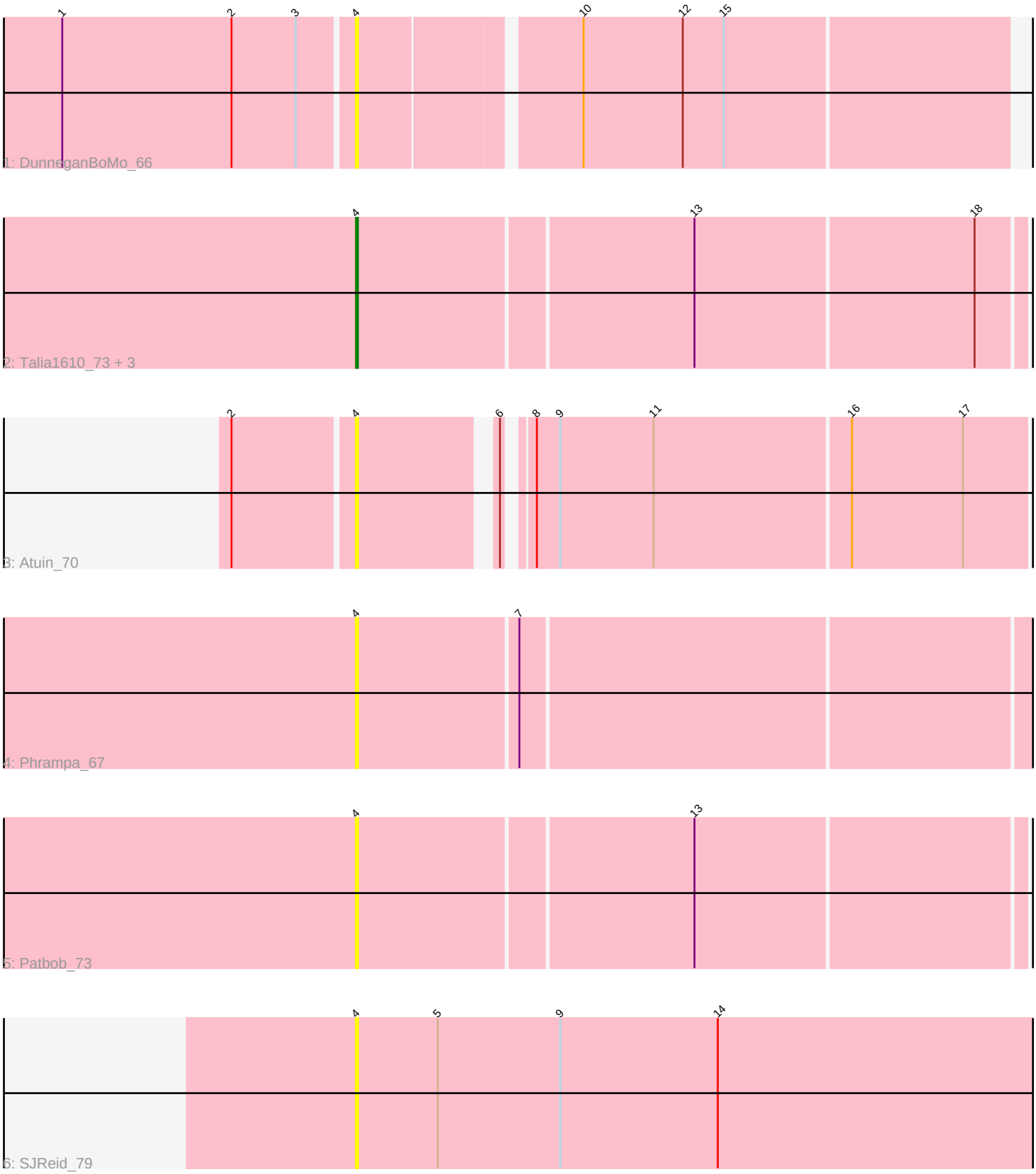
Pham 197093


1
2
3
4
10
12
15
1: DunneganBoMo_66
4
13
18
2: Talia1610_73 + 3
2
4
6
8
9
11
16
17
3: Atuin_70
4
7
4: Phrampa_67
4
13
5: Patbob_73
4
5
9
14
6: SJReid_79

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 197093 Report

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

Pham number 197093 has 9 members, 7 are drafts.

Phages represented in each track:
• Track 1 : DunneganBoMo_66
• Track 2 : Talia1610_73, Bloom_77, Racecar_74, Mimi_80
• Track 3 : Atuin_70
• Track 4 : Phrampa_67
• Track 5 : Patbob_73
• Track 6 : SJReid_79

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_70, Bloom_77, DunneganBoMo_66, Mimi_80, Patbob_73, Phrampa_67, Racecar_74, SJReid_79, Talia1610_73,

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

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

Summary by start number:

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_70 (FC), Bloom_77 (FC), DunneganBoMo_66 (FC), Mimi_80 (FC), Patbob_73 (FC), Phrampa_67 (FC), Racecar_74 (FC), SJReid_79 (FC), Talia1610_73 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

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

Gene Information:

Gene: Atuin_70 Start: 30205, Stop: 30525, Start Num: 4
Candidate Starts for Atuin_70:
(2, 30145), (Start: 4 @30205 has 2 MA's), (6, 30268), (8, 30277), (9, 30289), (11, 30337), (16, 30436), (17, 30493),

Gene: Bloom_77 Start: 32827, Stop: 33159, Start Num: 4
Candidate Starts for Bloom_77:
(Start: 4 @32827 has 2 MA's), (13, 32995), (18, 33136),

Gene: DunneganBoMo_66 Start: 26966, Stop: 27286, Start Num: 4
Candidate Starts for DunneganBoMo_66:
(1, 26819), (2, 26906), (3, 26939), (Start: 4 @26966 has 2 MA's), (10, 27071), (12, 27122), (15, 27143),

Gene: Mimi_80 Start: 32174, Stop: 32506, Start Num: 4
Candidate Starts for Mimi_80:
(Start: 4 @32174 has 2 MA's), (13, 32342), (18, 32483),

Gene: Patbob_73 Start: 32467, Stop: 32799, Start Num: 4
Candidate Starts for Patbob_73:
(Start: 4 @32467 has 2 MA's), (13, 32635),

Gene: Phrampa_67 Start: 29494, Stop: 29829, Start Num: 4
Candidate Starts for Phrampa_67:
(Start: 4 @29494 has 2 MA's), (7, 29575),

Gene: Racecar_74 Start: 32827, Stop: 33159, Start Num: 4
Candidate Starts for Racecar_74:
(Start: 4 @32827 has 2 MA's), (13, 32995), (18, 33136),

Gene: SJReid_79 Start: 34033, Stop: 34383, Start Num: 4
Candidate Starts for SJReid_79:
(Start: 4 @34033 has 2 MA's), (5, 34075), (9, 34138), (14, 34219),

Gene: Talia1610_73 Start: 32192, Stop: 32524, Start Num: 4
Candidate Starts for Talia1610_73:
(Start: 4 @32192 has 2 MA's), (13, 32360), (18, 32501),