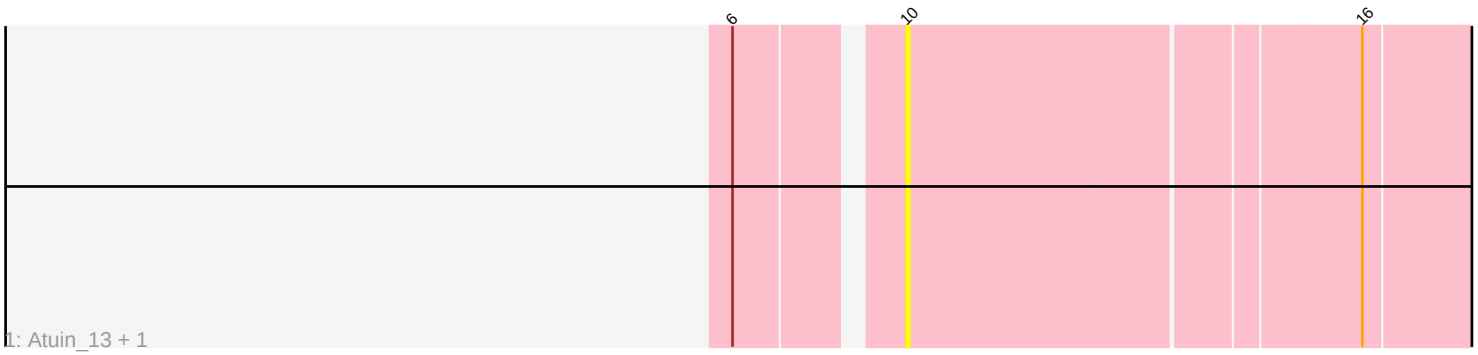
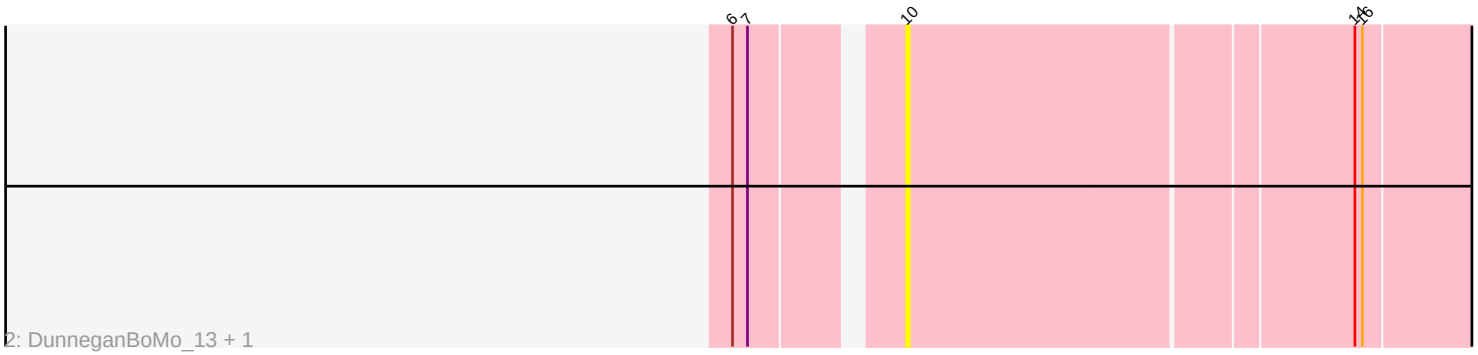
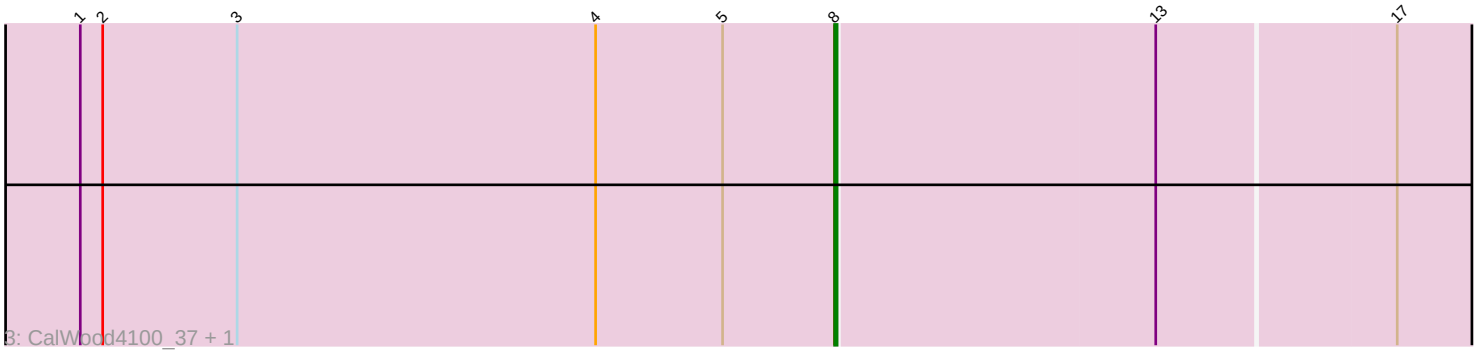
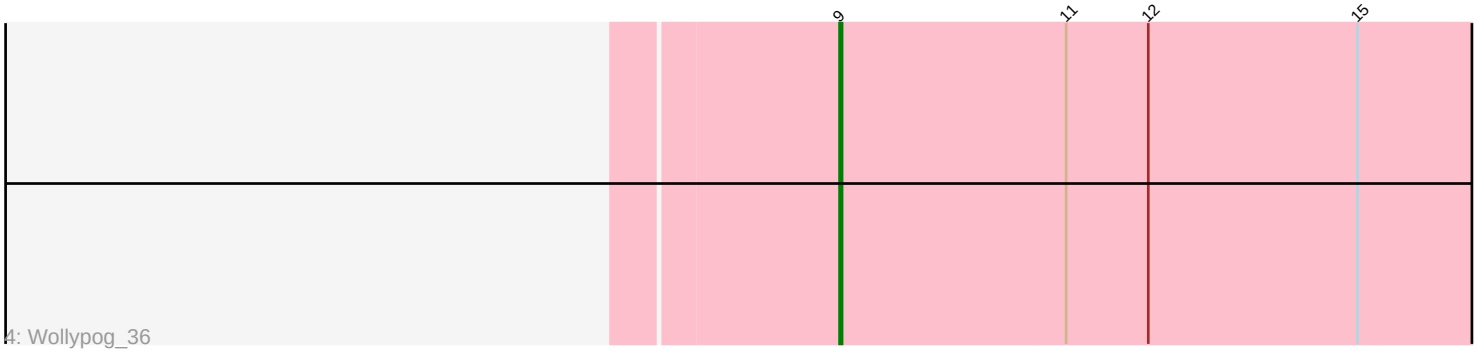
Pham 11759


6
10
16
1: Atuin_13 + 1


6
7
10
14
16
2: DunneganBoMo_13 + 1


1
2
3
4
5
8
13
17
3: CalWood4100_37 + 1


9
11
12
15
4: Wollypog_36

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 11759 Report

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

Pham number 11759 has 7 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Atuin_13, Atuin_320
• Track 2 : DunneganBoMo_13, DunneganBoMo_316
• Track 3 : CalWood4100_37, Lilmac1015_37
• Track 4 : Wollypog_36

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

The start number called the most often in the published annotations is 8, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CalWood4100_37, Lilmac1015_37,

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

Genes that do not have the "Most Annotated" start:
• Atuin_13, Atuin_320, DunneganBoMo_13, DunneganBoMo_316, Wollypog_36,

Summary by start number:

Start 8:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CalWood4100_37 (FH), Lilmac1015_37 (FH),

Start 9:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wollypog_36 (singleton),

Start 10:
• Found in 4 of 7 (57.1%) 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_13 (FC), Atuin_320 (FC), DunneganBoMo_13 (FC), DunneganBoMo_316 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: FH, singleton, FC,

Info for manual annotations of cluster FH:
•Start number 8 was manually annotated 1 time for cluster FH.

Gene Information:

Gene: Atuin_13 Start: 6606, Stop: 6839, Start Num: 10
Candidate Starts for Atuin_13:
(6, 6549), (10, 6606), (16, 6780),

Gene: Atuin_320 Start: 183494, Stop: 183727, Start Num: 10
Candidate Starts for Atuin_320:
(6, 183437), (10, 183494), (16, 183668),

Gene: CalWood4100_37 Start: 28484, Stop: 28744, Start Num: 8
Candidate Starts for CalWood4100_37:
(1, 28181), (2, 28190), (3, 28244), (4, 28388), (5, 28439), (Start: 8 @28484 has 1 MA's), (13, 28610), (17, 28703),

Gene: DunneganBoMo_13 Start: 5534, Stop: 5767, Start Num: 10
Candidate Starts for DunneganBoMo_13:
(6, 5477), (7, 5483), (10, 5534), (14, 5705), (16, 5708),

Gene: DunneganBoMo_316 Start: 184946, Stop: 185179, Start Num: 10
Candidate Starts for DunneganBoMo_316:
(6, 184889), (7, 184895), (10, 184946), (14, 185117), (16, 185120),

Gene: Lilmac1015_37 Start: 28484, Stop: 28744, Start Num: 8
Candidate Starts for Lilmac1015_37:
(1, 28181), (2, 28190), (3, 28244), (4, 28388), (5, 28439), (Start: 8 @28484 has 1 MA's), (13, 28610), (17, 28703),

Gene: Wollypog_36 Start: 27851, Stop: 28114, Start Num: 9
Candidate Starts for Wollypog_36:
(Start: 9 @27851 has 1 MA's), (11, 27941), (12, 27974), (15, 28058),