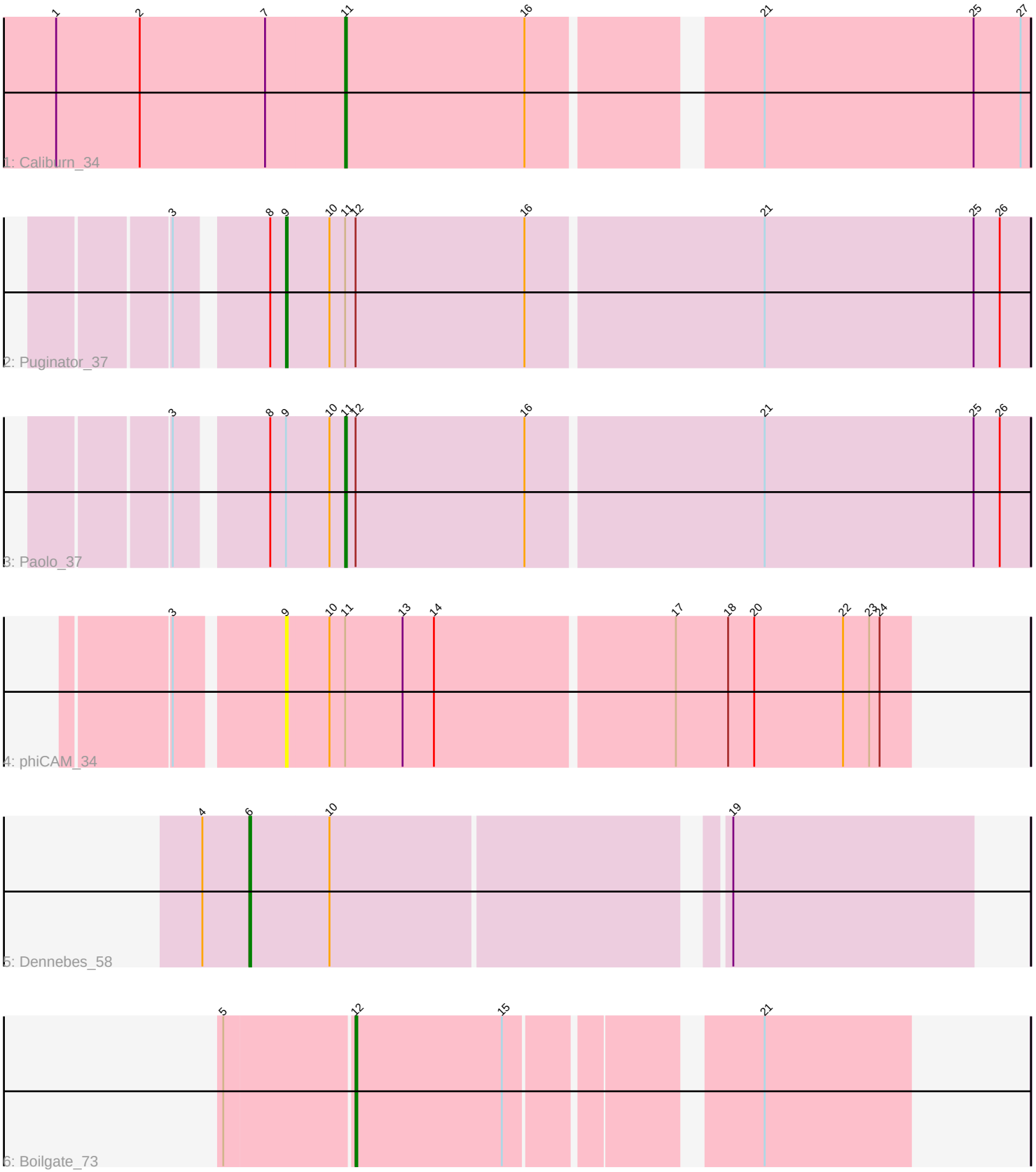
Pham 197210


1
2
7
11
16
21
25
27
1: Caliburn_34
3
8
9
10
11
12
16
21
25
26
2: Puginator_37
3
8
9
10
11
12
16
21
25
26
3: Paolo_37
3
9
10
11
13
14
17
18
20
22
23
24
4: phiCAM_34
4
6
10
19
5: Dennebes_58
5
12
15
21
6: Boilgate_73

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 197210 Report

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

Pham number 197210 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Caliburn_34
• Track 2 : Puginator_37
• Track 3 : Paolo_37
• Track 4 : phiCAM_34
• Track 5 : Dennebes_58
• Track 6 : Boilgate_73

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

The start number called the most often in the published annotations is 11, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Caliburn_34, Paolo_37,

Genes that have the "Most Annotated" start but do not call it:
• Puginator_37, phiCAM_34,

Genes that do not have the "Most Annotated" start:
• Boilgate_73, Dennebes_58,

Summary by start number:

Start 6:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dennebes_58 (BF),

Start 9:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Puginator_37 (BD2), phiCAM_34 (BD3),

Start 11:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Caliburn_34 (BD1), Paolo_37 (BD2),

Start 12:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Boilgate_73 (K8),

Summary by clusters:

There are 5 clusters represented in this pham: BF, K8, BD1, BD3, BD2,

Info for manual annotations of cluster BD1:
•Start number 11 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 9 was manually annotated 1 time for cluster BD2.
•Start number 11 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BF:
•Start number 6 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster K8:
•Start number 12 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: Boilgate_73 Start: 53314, Stop: 53607, Start Num: 12
Candidate Starts for Boilgate_73:
(5, 53242), (Start: 12 @53314 has 1 MA's), (15, 53398), (21, 53524),

Gene: Caliburn_34 Start: 25785, Stop: 26156, Start Num: 11
Candidate Starts for Caliburn_34:
(1, 25620), (2, 25668), (7, 25740), (Start: 11 @25785 has 2 MA's), (16, 25887), (21, 26004), (25, 26124), (27, 26151),

Gene: Dennebes_58 Start: 29550, Stop: 29158, Start Num: 6
Candidate Starts for Dennebes_58:
(4, 29577), (Start: 6 @29550 has 1 MA's), (10, 29505), (19, 29295),

Gene: Paolo_37 Start: 27402, Stop: 27788, Start Num: 11
Candidate Starts for Paolo_37:
(3, 27315), (8, 27360), (Start: 9 @27369 has 1 MA's), (10, 27393), (Start: 11 @27402 has 2 MA's), (Start: 12 @27408 has 1 MA's), (16, 27504), (21, 27636), (25, 27756), (26, 27771),

Gene: Puginator_37 Start: 27390, Stop: 27809, Start Num: 9
Candidate Starts for Puginator_37:
(3, 27336), (8, 27381), (Start: 9 @27390 has 1 MA's), (10, 27414), (Start: 11 @27423 has 2 MA's), (Start: 12 @27429 has 1 MA's), (16, 27525), (21, 27657), (25, 27777), (26, 27792),

Gene: phiCAM_34 Start: 29556, Stop: 29906, Start Num: 9
Candidate Starts for phiCAM_34:
(3, 29499), (Start: 9 @29556 has 1 MA's), (10, 29580), (Start: 11 @29589 has 2 MA's), (13, 29622), (14, 29640), (17, 29772), (18, 29802), (20, 29817), (22, 29868), (23, 29883), (24, 29889),