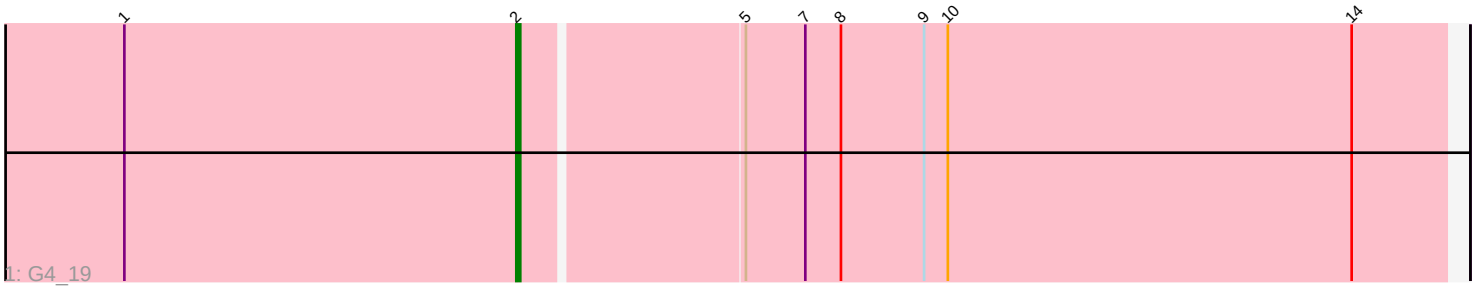
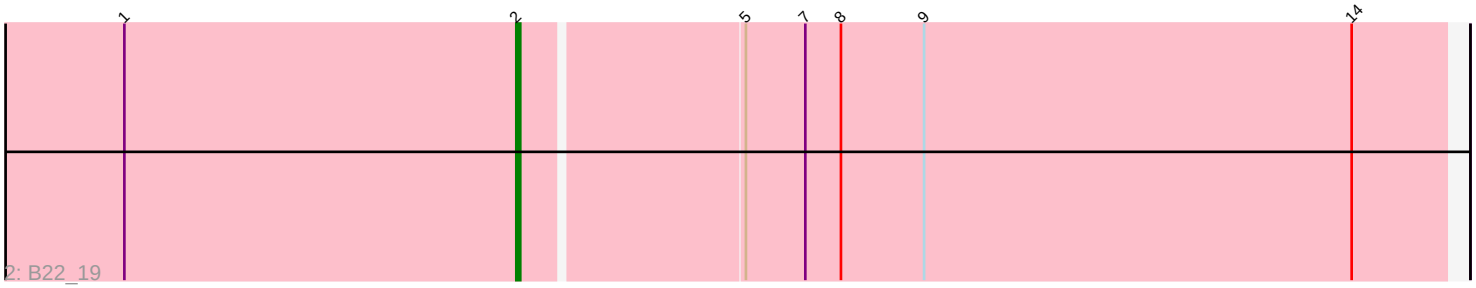
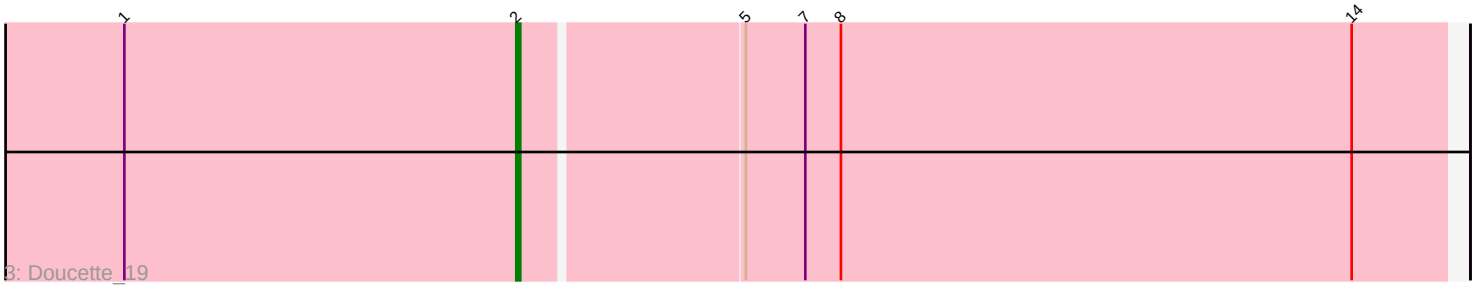
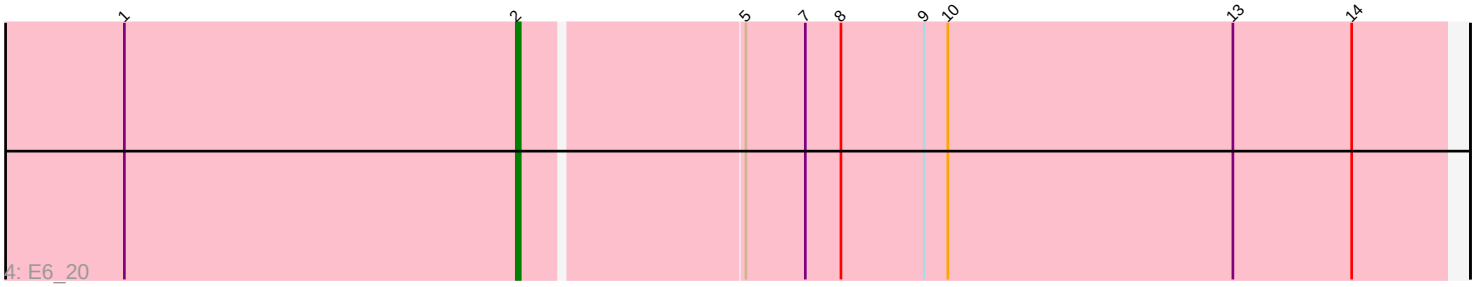
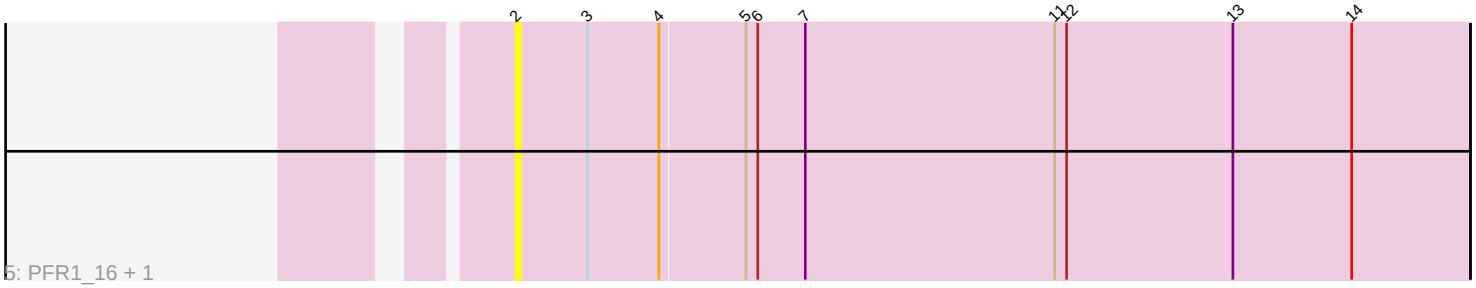
Pham 7836


1
2
5
7
8
9
10
14
1: G4_19


1
2
5
7
8
9
14
2: B22_19


1
2
5
7
8
14
3: Doucette_19


1
2
5
7
8
9
10
13
14
4: E6_20


2
3
4
5
6
7
11
12
13
14
5: PFR1_16 + 1

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 7836 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7836 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : G4_19
• Track 2 : B22_19
• Track 3 : Doucette_19
• Track 4 : E6_20
• Track 5 : PFR1_16, PFR2_18

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• B22_19, Doucette_19, E6_20, G4_19, PFR1_16, PFR2_18,

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 2:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: B22_19 (BW), Doucette_19 (BW), E6_20 (BW), G4_19 (BW), PFR1_16 (BX), PFR2_18 (BX),

Summary by clusters:

There are 2 clusters represented in this pham: BW, BX,

Info for manual annotations of cluster BW:

•Start number 2 was manually annotated 4 times for cluster BW.

Gene Information:

Gene: B22_19 Start: 15739, Stop: 15969, Start Num: 2
Candidate Starts for B22_19:
(1, 15640), (Start: 2 @15739 has 4 MA's), (5, 15793), (7, 15808), (8, 15817), (9, 15838), (14, 15946),

Gene: Doucette_19 Start: 15912, Stop: 16142, Start Num: 2
Candidate Starts for Doucette_19:
(1, 15813), (Start: 2 @15912 has 4 MA's), (5, 15966), (7, 15981), (8, 15990), (14, 16119),

Gene: E6_20 Start: 15960, Stop: 16190, Start Num: 2
Candidate Starts for E6_20:
(1, 15861), (Start: 2 @15960 has 4 MA's), (5, 16014), (7, 16029), (8, 16038), (9, 16059), (10, 16065), (13, 16137), (14, 16167),

Gene: G4_19 Start: 15902, Stop: 16132, Start Num: 2
Candidate Starts for G4_19:
(1, 15803), (Start: 2 @15902 has 4 MA's), (5, 15956), (7, 15971), (8, 15980), (9, 16001), (10, 16007), (14, 16109),

Gene: PFR1_16 Start: 14947, Stop: 15186, Start Num: 2
Candidate Starts for PFR1_16:
(Start: 2 @14947 has 4 MA's), (3, 14965), (4, 14983), (5, 15004), (6, 15007), (7, 15019), (11, 15082), (12, 15085), (13, 15127), (14, 15157),

Gene: PFR2_18 Start: 16516, Stop: 16755, Start Num: 2
Candidate Starts for PFR2_18:
(Start: 2 @16516 has 4 MA's), (3, 16534), (4, 16552), (5, 16573), (6, 16576), (7, 16588), (11, 16651), (12, 16654), (13, 16696), (14, 16726),