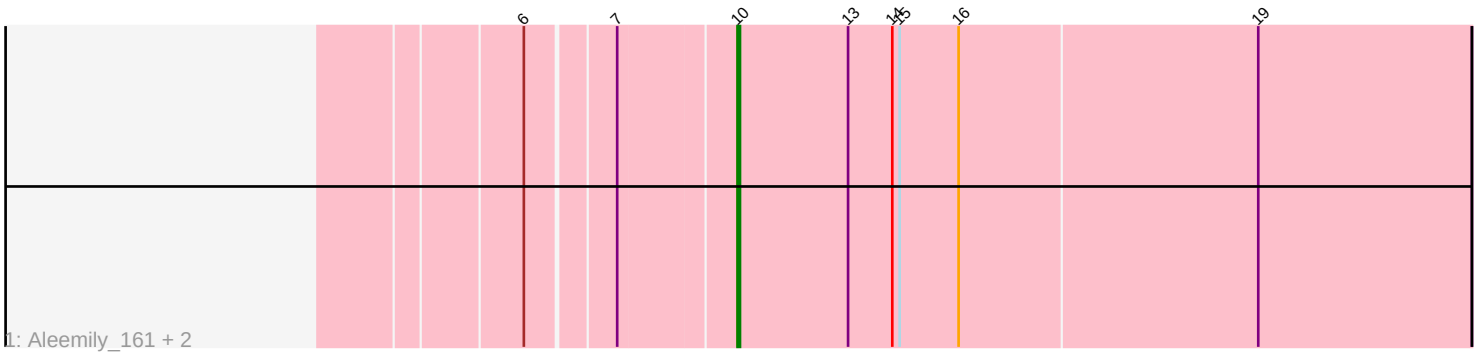
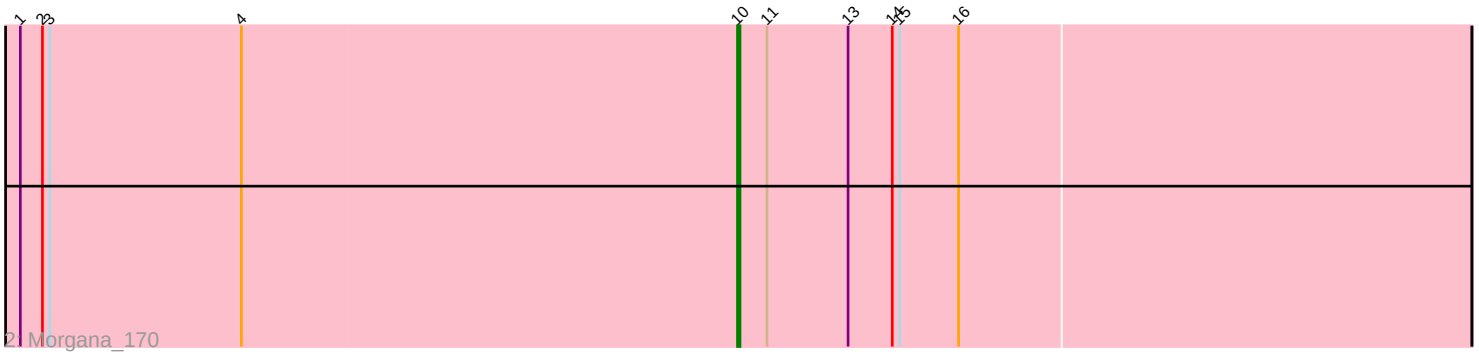
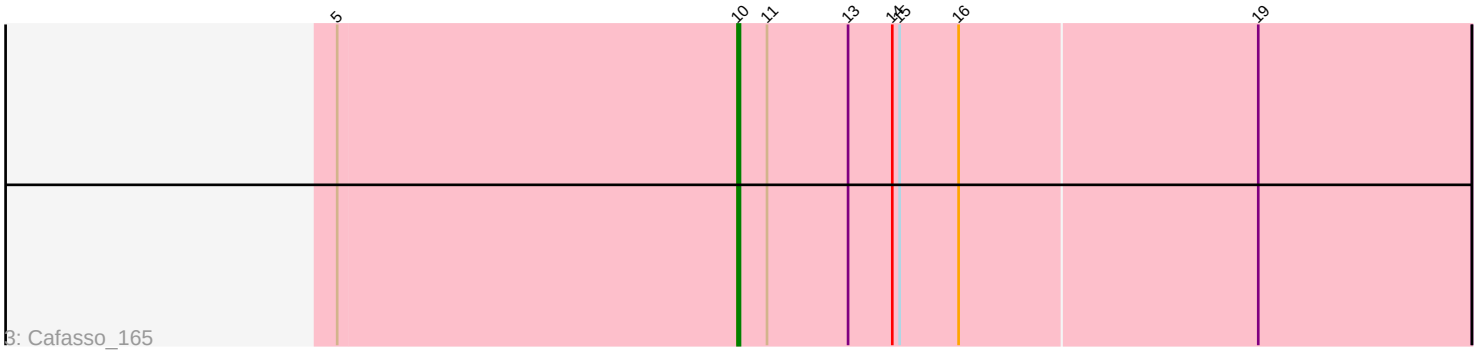
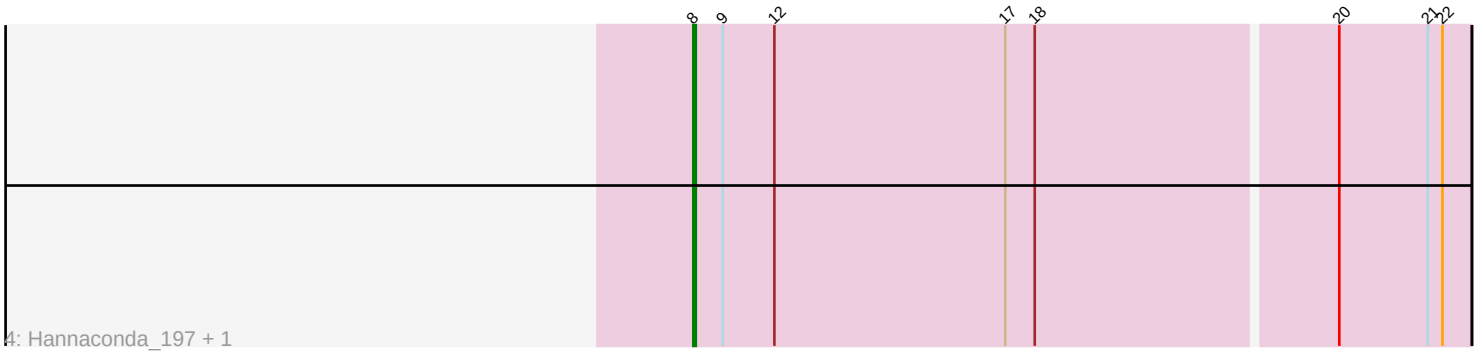
Pham 8363


6
7
10
13
14
15
16
19
1: Aleemily_161 + 2


1
2
3
4
10
11
13
14
15
16
2: Morgana_170


5
10
11
13
14
15
16
19
3: Cafasso_165


8
9
12
17
18
20
21
22
4: Hannaconda_197 + 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 8363 Report

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

Pham number 8363 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Aleemily_161, ModicumRichard_162, ObLaDi_163
• Track 2 : Morgana_170
• Track 3 : Cafasso_165
• Track 4 : Hannaconda_197, KashFlow_198

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_161, Cafasso_165, ModicumRichard_162, Morgana_170, ObLaDi_163,

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

Genes that do not have the "Most Annotated" start:
• Hannaconda_197, KashFlow_198,

Summary by start number:

Start 8:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hannaconda_197 (J), KashFlow_198 (J),

Start 10:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_161 (DZ), Cafasso_165 (DZ), ModicumRichard_162 (DZ), Morgana_170 (DZ), ObLaDi_163 (DZ),

Summary by clusters:

There are 2 clusters represented in this pham: J, DZ,

Info for manual annotations of cluster DZ:
•Start number 10 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster J:
•Start number 8 was manually annotated 2 times for cluster J.

Gene Information:

Gene: Aleemily_161 Start: 83832, Stop: 84128, Start Num: 10
Candidate Starts for Aleemily_161:
(6, 83754), (7, 83787), (Start: 10 @83832 has 4 MA's), (13, 83877), (14, 83895), (15, 83898), (16, 83922), (19, 84042),

Gene: Cafasso_165 Start: 84771, Stop: 85067, Start Num: 10
Candidate Starts for Cafasso_165:
(5, 84609), (Start: 10 @84771 has 4 MA's), (11, 84783), (13, 84816), (14, 84834), (15, 84837), (16, 84861), (19, 84981),

Gene: Hannaconda_197 Start: 101474, Stop: 101166, Start Num: 8
Candidate Starts for Hannaconda_197:
(Start: 8 @101474 has 2 MA's), (9, 101462), (12, 101441), (17, 101348), (18, 101336), (20, 101219), (21, 101183), (22, 101177),

Gene: KashFlow_198 Start: 101053, Stop: 100745, Start Num: 8
Candidate Starts for KashFlow_198:
(Start: 8 @101053 has 2 MA's), (9, 101041), (12, 101020), (17, 100927), (18, 100915), (20, 100798), (21, 100762), (22, 100756),

Gene: ModicumRichard_162 Start: 84390, Stop: 84686, Start Num: 10
Candidate Starts for ModicumRichard_162:
(6, 84312), (7, 84345), (Start: 10 @84390 has 4 MA's), (13, 84435), (14, 84453), (15, 84456), (16, 84480), (19, 84600),

Gene: Morgana_170 Start: 85168, Stop: 85464, Start Num: 10
Candidate Starts for Morgana_170:
(1, 84877), (2, 84886), (3, 84889), (4, 84967), (Start: 10 @85168 has 4 MA's), (11, 85180), (13, 85213), (14, 85231), (15, 85234), (16, 85258),

Gene: ObLaDi_163 Start: 84389, Stop: 84685, Start Num: 10
Candidate Starts for ObLaDi_163:
(6, 84311), (7, 84344), (Start: 10 @84389 has 4 MA's), (13, 84434), (14, 84452), (15, 84455), (16, 84479), (19, 84599),