Pham 88676

1: Ranunculus_104
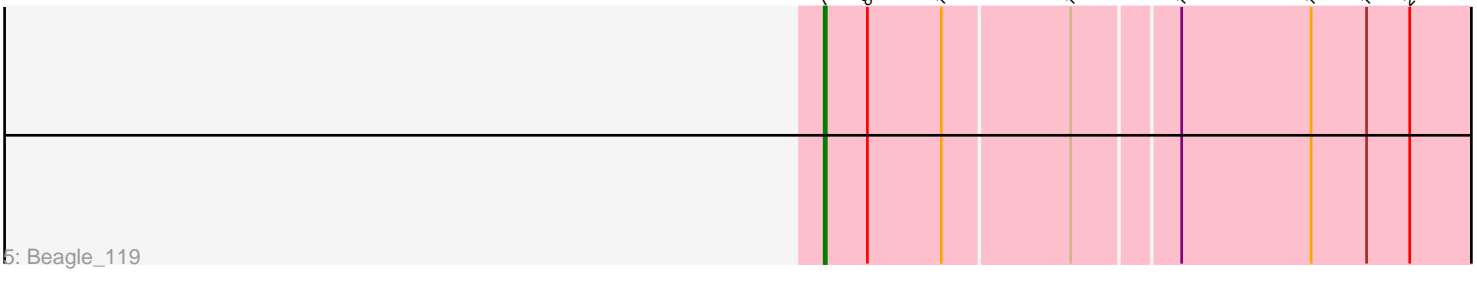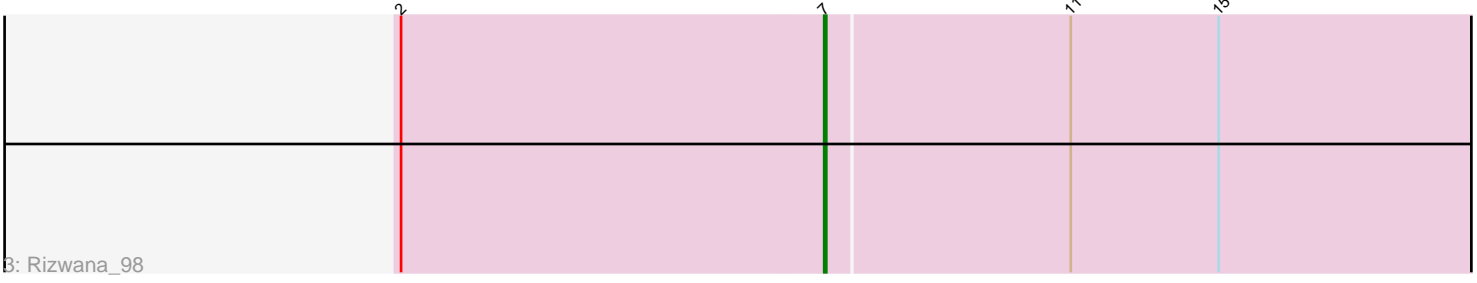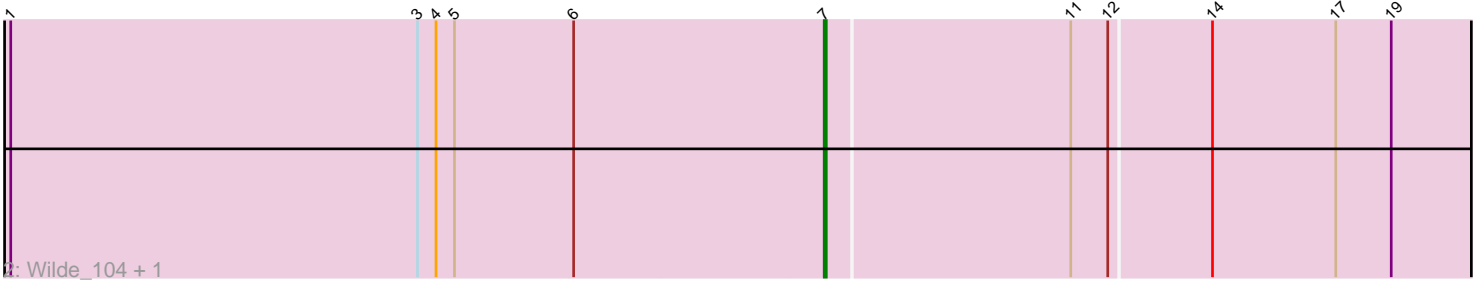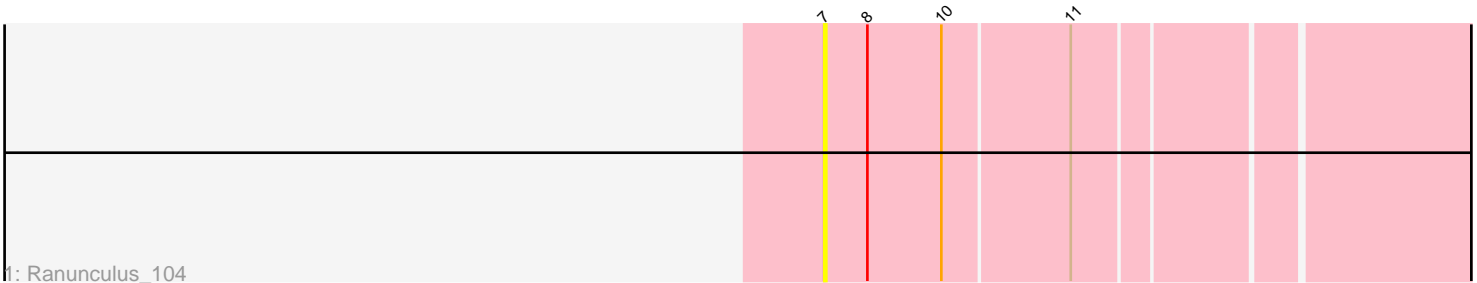
2: Wilde_104 + 1

3: Rizwana_98

4: MellowYellow_114

5: Beagle_119

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 88676 Report

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

Pham number 88676 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_104
• Track 2 : Wilde_104, Tank_101
• Track 3 : Rizwana_98
• Track 4 : MellowYellow_114
• Track 5 : Beagle_119

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_119, MellowYellow_114, Ranunculus_104, Rizwana_98, Tank_101, Wilde_104,

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 7:
• 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: Beagle_119 (AP2), MellowYellow_114 (AP2), Ranunculus_104 (AP), Rizwana_98 (AP1), Tank_101 (AP1), Wilde_104 (AP1),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP, AP1,

Info for manual annotations of cluster AP1:
•Start number 7 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 7 was manually annotated 1 time for cluster AP2.

Gene Information:

Gene: Beagle_119 Start: 66601, Stop: 66293, Start Num: 7
Candidate Starts for Beagle_119:
(Start: 7 @66601 has 4 MA's), (8, 66580), (10, 66544), (11, 66484), (13, 66436), (16, 66373), (18, 66346), (20, 66325),

Gene: MellowYellow_114 Start: 66295, Stop: 65987, Start Num: 7
Candidate Starts for MellowYellow_114:
(Start: 7 @66295 has 4 MA's), (8, 66274), (9, 66241), (11, 66178), (13, 66130), (16, 66067), (18, 66040), (20, 66019),

Gene: Ranunculus_104 Start: 65914, Stop: 65615, Start Num: 7
Candidate Starts for Ranunculus_104:
(Start: 7 @65914 has 4 MA's), (8, 65893), (10, 65857), (11, 65797),

Gene: Rizwana_98 Start: 63057, Stop: 62740, Start Num: 7
Candidate Starts for Rizwana_98:
(2, 63261), (Start: 7 @63057 has 4 MA's), (11, 62940), (15, 62868),

Gene: Tank_101 Start: 64745, Stop: 64431, Start Num: 7
Candidate Starts for Tank_101:
(1, 65138), (3, 64940), (4, 64931), (5, 64922), (6, 64865), (Start: 7 @64745 has 4 MA's), (11, 64628), (12, 64610), (14, 64562), (17, 64502), (19, 64475),

Gene: Wilde_104 Start: 65263, Stop: 64949, Start Num: 7
Candidate Starts for Wilde_104:
(1, 65656), (3, 65458), (4, 65449), (5, 65440), (6, 65383), (Start: 7 @65263 has 4 MA's), (11, 65146), (12, 65128), (14, 65080), (17, 65020), (19, 64993),