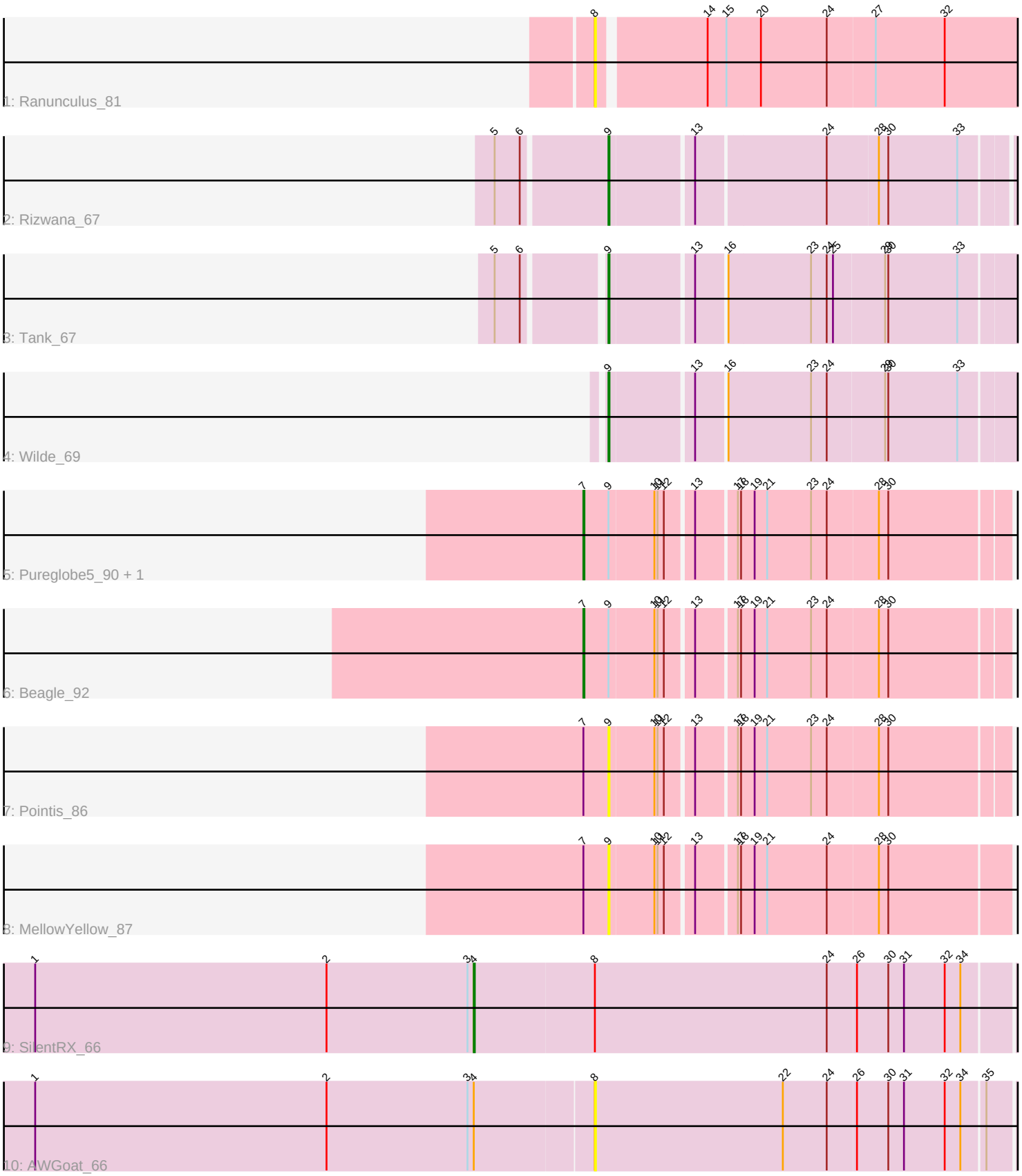
Pham 6579


1: Ranunculus_81
2: Rizwana_67
3: Tank_67
4: Wilde_69
5: Pureglobe5_90 + 1
6: Beagle_92
7: Pointis_86
8: MellowYellow_87
9: SilentRX_66
10: AWGoat_66

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 6579 Report

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

Pham number 6579 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_81
• Track 2 : Rizwana_67
• Track 3 : Tank_67
• Track 4 : Wilde_69
• Track 5 : Pureglobe5_90, Odyssey395_90
• Track 6 : Beagle_92
• Track 7 : Pointis_86
• Track 8 : MellowYellow_87
• Track 9 : SilentRX_66
• Track 10 : AWGoat_66

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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_92, Odyssey395_90, Pureglobe5_90,

Genes that have the "Most Annotated" start but do not call it:
• MellowYellow_87, Pointis_86,

Genes that do not have the "Most Annotated" start:
• AWGoat_66, Ranunculus_81, Rizwana_67, SilentRX_66, Tank_67, Wilde_69,

Summary by start number:

Start 4:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: SilentRX_66 (AP4),

Start 7:

• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Beagle_92 (AP2), Odyssey395_90 (AP2), Pureglobe5_90 (AP2),

Start 8:
• Found in 3 of 11 (27.3%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: AWGoat_66 (AP4), Ranunculus_81 (AP),

Start 9:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 62.5% of time when present
• Phage (with cluster) where this start called: MellowYellow_87 (AP2), Pointis_86 (AP2), Rizwana_67 (AP1), Tank_67 (AP1), Wilde_69 (AP1),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AP, AP1, AP4,

Info for manual annotations of cluster AP1:
•Start number 9 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 7 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP4:
•Start number 4 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_66 Start: 46189, Stop: 45791, Start Num: 8
Candidate Starts for AWGoat_66:
(1, 46720), (2, 46441), (3, 46306), (Start: 4 @46300 has 1 MA's), (8, 46189), (22, 46009), (24, 45967), (26, 45940), (30, 45910), (31, 45895), (32, 45856), (34, 45841), (35, 45820),

Gene: Beagle_92 Start: 52878, Stop: 52492, Start Num: 7
Candidate Starts for Beagle_92:
(Start: 7 @52878 has 3 MA's), (Start: 9 @52854 has 3 MA's), (10, 52812), (11, 52809), (12, 52803), (13, 52779), (17, 52743), (18, 52740), (19, 52728), (21, 52716), (23, 52674), (24, 52659), (28, 52611), (30, 52602),

Gene: MellowYellow_87 Start: 52471, Stop: 52106, Start Num: 9
Candidate Starts for MellowYellow_87:
(Start: 7 @52495 has 3 MA's), (Start: 9 @52471 has 3 MA's), (10, 52429), (11, 52426), (12, 52420), (13, 52396), (17, 52360), (18, 52357), (19, 52345), (21, 52333), (24, 52276), (28, 52228), (30, 52219),

Gene: Odyssey395_90 Start: 52272, Stop: 51886, Start Num: 7
Candidate Starts for Odyssey395_90:
(Start: 7 @52272 has 3 MA's), (Start: 9 @52248 has 3 MA's), (10, 52206), (11, 52203), (12, 52197), (13, 52173), (17, 52137), (18, 52134), (19, 52122), (21, 52110), (23, 52068), (24, 52053), (28, 52005), (30, 51996),

Gene: Pointis_86 Start: 52144, Stop: 51782, Start Num: 9
Candidate Starts for Pointis_86:
(Start: 7 @52168 has 3 MA's), (Start: 9 @52144 has 3 MA's), (10, 52102), (11, 52099), (12, 52093), (13, 52069), (17, 52033), (18, 52030), (19, 52018), (21, 52006), (23, 51964), (24, 51949), (28, 51901), (30, 51892),

Gene: Pureglobe5_90 Start: 52824, Stop: 52438, Start Num: 7
Candidate Starts for Pureglobe5_90:
(Start: 7 @52824 has 3 MA's), (Start: 9 @52800 has 3 MA's), (10, 52758), (11, 52755), (12, 52749), (13, 52725), (17, 52689), (18, 52686), (19, 52674), (21, 52662), (23, 52620), (24, 52605), (28, 52557), (30, 52548),

Gene: Ranunculus_81 Start: 54003, Stop: 53608, Start Num: 8
Candidate Starts for Ranunculus_81:
(8, 54003), (14, 53907), (15, 53889), (20, 53856), (24, 53793), (27, 53748), (32, 53682),

Gene: Rizwana_67 Start: 47617, Stop: 47243, Start Num: 9
Candidate Starts for Rizwana_67:
(5, 47719), (6, 47695), (Start: 9 @47617 has 3 MA's), (13, 47542), (24, 47422), (28, 47374), (30, 47365), (33, 47299),

Gene: SilentRX_66 Start: 47110, Stop: 46598, Start Num: 4
Candidate Starts for SilentRX_66:
(1, 47530), (2, 47251), (3, 47116), (Start: 4 @47110 has 1 MA's), (8, 46996), (24, 46774), (26, 46747), (30, 46717), (31, 46702), (32, 46663), (34, 46648),

Gene: Tank_67 Start: 47597, Stop: 47217, Start Num: 9
Candidate Starts for Tank_67:
(5, 47690), (6, 47666), (Start: 9 @47597 has 3 MA's), (13, 47522), (16, 47495), (23, 47417), (24, 47402), (25, 47396), (29, 47348), (30, 47345), (33, 47279),

Gene: Wilde_69 Start: 47896, Stop: 47516, Start Num: 9
Candidate Starts for Wilde_69:
(Start: 9 @47896 has 3 MA's), (13, 47821), (16, 47794), (23, 47716), (24, 47701), (29, 47647), (30, 47644), (33, 47578),