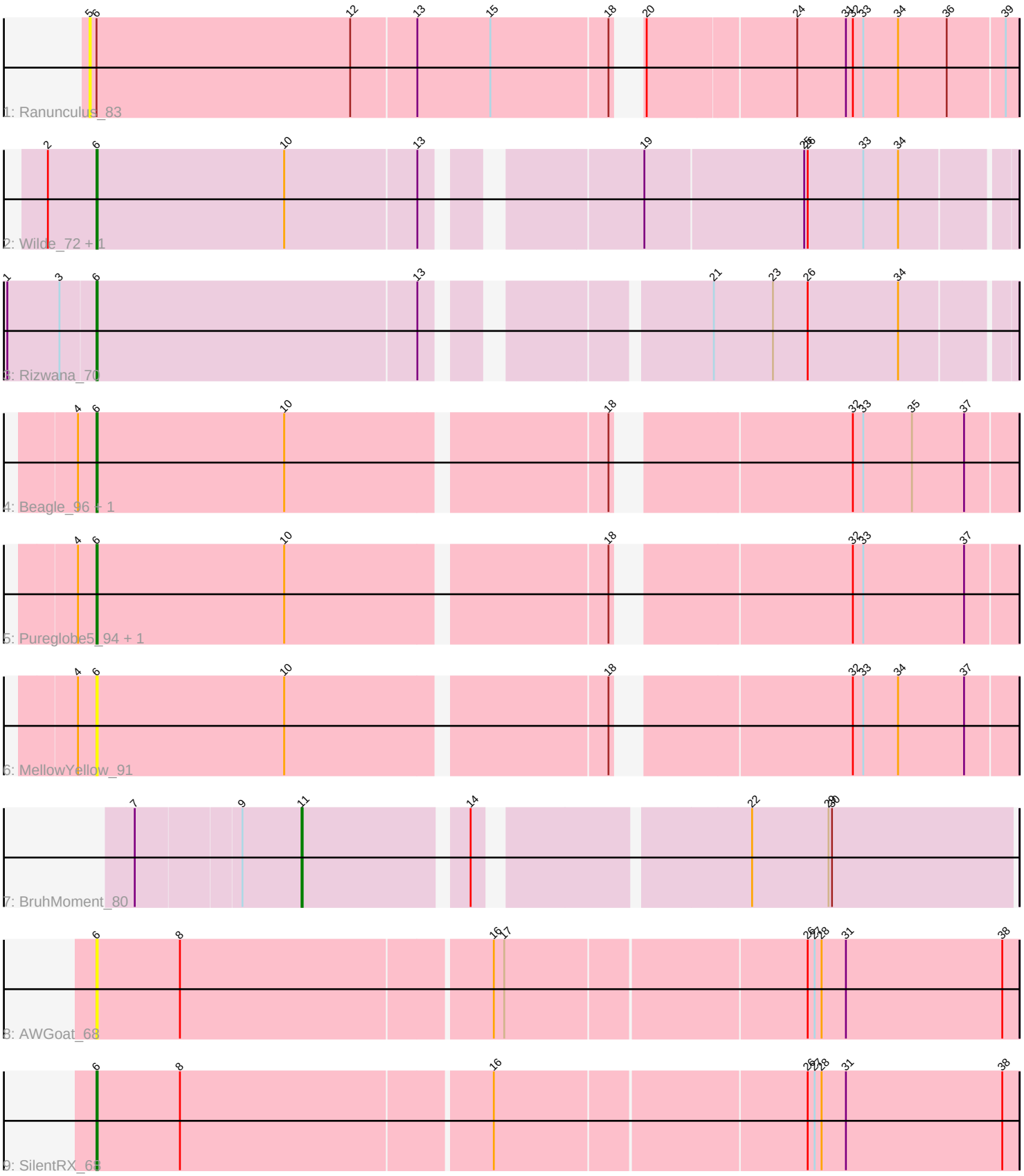
Pham 5959


5
6
12
13
15
18
20
24
31
32
33
34
36
39
1: Ranunculus_83
2
6
10
13
19
25
26
33
34
2: Wilde_72 + 1
1
3
6
13
21
23
26
34
3: Rizwana_70
4
6
10
18
32
33
35
37
4: Beagle_96 + 1
4
6
10
18
32
33
37
5: Pureglobe5_94 + 1
4
6
10
18
32
33
34
37
6: MellowYellow_91
7
9
11
14
22
28
29
7: BruhMoment_80
6
8
16
17
25
26
28
31
38
8: AWGoat_68
6
8
16
25
26
28
31
38
9: SilentRX_68

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 5959 Report

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

Pham number 5959 has 12 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_83
• Track 2 : Wilde_72, Tank_70
• Track 3 : Rizwana_70
• Track 4 : Beagle_96, Odyssey395_94
• Track 5 : Pureglobe5_94, Pointis_90
• Track 6 : MellowYellow_91
• Track 7 : BruhMoment_80
• Track 8 : AWGoat_68
• Track 9 : SilentRX_68

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AWGoat_68, Beagle_96, MellowYellow_91, Odyssey395_94, Pointis_90, Pureglobe5_94, Rizwana_70, SilentRX_68, Tank_70, Wilde_72,

Genes that have the "Most Annotated" start but do not call it:
• Ranunculus_83,

Genes that do not have the "Most Annotated" start:
• BruhMoment_80,

Summary by start number:

Start 5:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ranunculus_83 (AP),

Start 6:

• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 90.9% of time when present
• Phage (with cluster) where this start called: AWGoat_68 (AP4), Beagle_96 (AP2), MellowYellow_91 (AP2), Odyssey395_94 (AP2), Pointis_90 (AP2), Pureglobe5_94 (AP2), Rizwana_70 (AP1), SilentRX_68 (AP4), Tank_70 (AP1), Wilde_72 (AP1),

Start 11:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_80 (AP3),

Summary by clusters:

There are 5 clusters represented in this pham: AP2, AP, AP1, AP4, AP3,

Info for manual annotations of cluster AP1:
•Start number 6 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 6 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 11 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 6 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_68 Start: 48654, Stop: 47878, Start Num: 6
Candidate Starts for AWGoat_68:
(Start: 6 @48654 has 7 MA's), (8, 48582), (16, 48321), (17, 48312), (26, 48060), (27, 48054), (28, 48048), (31, 48027), (38, 47892),

Gene: Beagle_96 Start: 56279, Stop: 55536, Start Num: 6
Candidate Starts for Beagle_96:
(4, 56294), (Start: 6 @56279 has 7 MA's), (10, 56117), (18, 55856), (32, 55676), (33, 55667), (35, 55625), (37, 55580),

Gene: BruhMoment_80 Start: 53540, Stop: 52974, Start Num: 11
Candidate Starts for BruhMoment_80:
(7, 53678), (9, 53591), (Start: 11 @53540 has 1 MA's), (14, 53408), (22, 53198), (29, 53132), (30, 53129),

Gene: MellowYellow_91 Start: 55893, Stop: 55150, Start Num: 6
Candidate Starts for MellowYellow_91:
(4, 55908), (Start: 6 @55893 has 7 MA's), (10, 55731), (18, 55470), (32, 55290), (33, 55281), (34, 55251), (37, 55194),

Gene: Odyssey395_94 Start: 55673, Stop: 54930, Start Num: 6
Candidate Starts for Odyssey395_94:
(4, 55688), (Start: 6 @55673 has 7 MA's), (10, 55511), (18, 55250), (32, 55070), (33, 55061), (35, 55019), (37, 54974),

Gene: Pointis_90 Start: 55569, Stop: 54826, Start Num: 6
Candidate Starts for Pointis_90:
(4, 55584), (Start: 6 @55569 has 7 MA's), (10, 55407), (18, 55146), (32, 54966), (33, 54957), (37, 54870),

Gene: Pureglobe5_94 Start: 56228, Stop: 55485, Start Num: 6
Candidate Starts for Pureglobe5_94:
(4, 56243), (Start: 6 @56228 has 7 MA's), (10, 56066), (18, 55805), (32, 55625), (33, 55616), (37, 55529),

Gene: Ranunculus_83 Start: 56472, Stop: 55714, Start Num: 5
Candidate Starts for Ranunculus_83:
(5, 56472), (Start: 6 @56466 has 7 MA's), (12, 56247), (13, 56193), (15, 56130), (18, 56031), (20, 56025), (24, 55902), (31, 55860), (32, 55854), (33, 55845), (34, 55815), (36, 55773), (39, 55725),

Gene: Rizwana_70 Start: 50521, Stop: 49793, Start Num: 6
Candidate Starts for Rizwana_70:
(1, 50596), (3, 50551), (Start: 6 @50521 has 7 MA's), (13, 50248), (21, 50044), (23, 49993), (26, 49963), (34, 49885),

Gene: SilentRX_68 Start: 49464, Stop: 48688, Start Num: 6
Candidate Starts for SilentRX_68:
(Start: 6 @49464 has 7 MA's), (8, 49392), (16, 49131), (26, 48870), (27, 48864), (28, 48858), (31, 48837), (38, 48702),

Gene: Tank_70 Start: 50435, Stop: 49698, Start Num: 6
Candidate Starts for Tank_70:
(2, 50477), (Start: 6 @50435 has 7 MA's), (10, 50273), (13, 50162), (19, 50006), (25, 49871), (26, 49868), (33, 49820), (34, 49790),

Gene: Wilde_72 Start: 50788, Stop: 50051, Start Num: 6
Candidate Starts for Wilde_72:
(2, 50830), (Start: 6 @50788 has 7 MA's), (10, 50626), (13, 50515), (19, 50359), (25, 50224), (26, 50221), (33, 50173), (34, 50143),