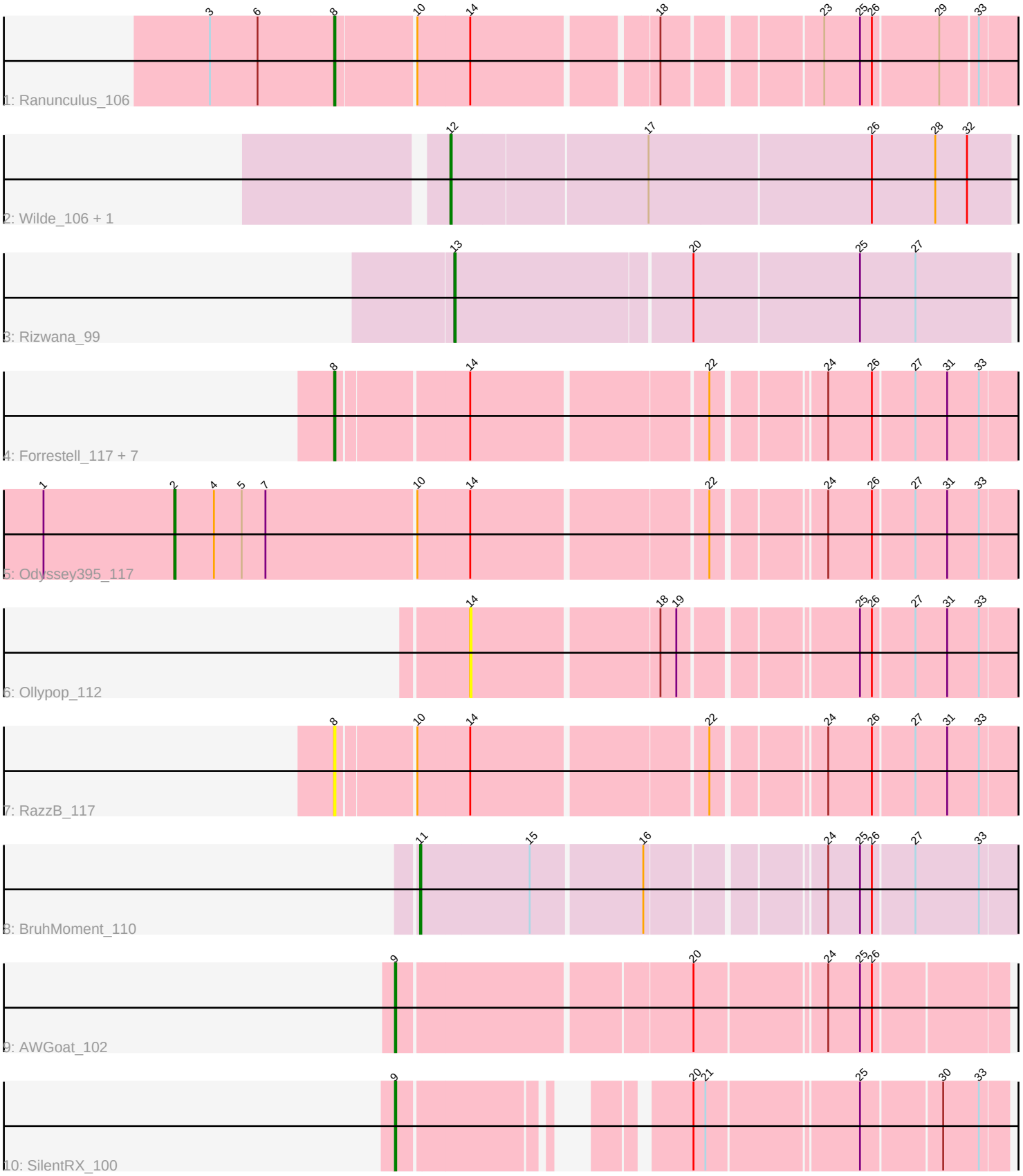
Pham 224933


3
6
8
10
14
18
23
25
26
29
33
1: Ranunculus_106
12
17
26
28
32
2: Wilde_106 + 1
13
20
25
27
3: Rizwana_99
8
14
22
24
26
27
31
33
4: Forrestell_117 + 7
1
2
4
5
7
10
14
22
24
26
27
31
33
5: Odyssey395_117
14
18
19
25
26
27
31
33
6: Ollypop_112
8
10
14
22
24
26
27
31
33
7: RazzB_117
11
15
16
24
25
26
27
33
8: BruhMoment_110
9
20
24
25
26
9: AWGoat_102
9
20
21
25
30
33
10: SilentRX_100

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 224933 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224933 has 18 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_106
• Track 2 : Wilde_106, Tank_103
• Track 3 : Rizwana_99
• Track 4 : Forrestell_117, DogYard_116, NyleyClemson_121, MellowYellow_120, Kubulix_115, Pureglobe5_119, Beagle_123, Pointis_114
• Track 5 : Odyssey395_117
• Track 6 : Ollypop_112
• Track 7 : RazzB_117
• Track 8 : BruhMoment_110
• Track 9 : AWGoat_102
• Track 10 : SilentRX_100

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_123, DogYard_116, Forrestell_117, Kubulix_115, MellowYellow_120, NyleyClemson_121, Pointis_114, Pureglobe5_119, Ranunculus_106, RazzB_117,

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

Genes that do not have the "Most Annotated" start:
• AWGoat_102, BruhMoment_110, Odyssey395_117, Ollypop_112, Rizwana_99, SilentRX_100, Tank_103, Wilde_106,

Summary by start number:

Start 2:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Odyssey395_117 (AP2),

Start 8:
• Found in 10 of 18 (55.6%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_123 (AP2), DogYard_116 (AP2), Forrestell_117 (AP2), Kubulix_115 (AP2), MellowYellow_120 (AP2), NyleyClemson_121 (AP2), Pointis_114 (AP2), Pureglobe5_119 (AP2), Ranunculus_106 (AP), RazzB_117 (AP2),

Start 9:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_102 (AP4), SilentRX_100 (AP4),

Start 11:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_110 (AP3),

Start 12:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tank_103 (AP1), Wilde_106 (AP1),

Start 13:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rizwana_99 (AP1),

Start 14:
• Found in 12 of 18 (66.7%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Ollypop_112 (AP2),

Summary by clusters:

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

Info for manual annotations of cluster AP:
•Start number 8 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP1:
•Start number 12 was manually annotated 2 times for cluster AP1.
•Start number 13 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 2 was manually annotated 1 time for cluster AP2.
•Start number 8 was manually annotated 4 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 9 was manually annotated 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_102 Start: 63771, Stop: 63343, Start Num: 9
Candidate Starts for AWGoat_102:
(Start: 9 @63771 has 2 MA's), (20, 63564), (24, 63471), (25, 63447), (26, 63438),

Gene: Beagle_123 Start: 68025, Stop: 67552, Start Num: 8
Candidate Starts for Beagle_123:
(Start: 8 @68025 has 5 MA's), (14, 67932), (22, 67764), (24, 67689), (26, 67656), (27, 67626), (31, 67602), (33, 67578),

Gene: BruhMoment_110 Start: 65254, Stop: 64826, Start Num: 11
Candidate Starts for BruhMoment_110:
(Start: 11 @65254 has 1 MA's), (15, 65173), (16, 65092), (24, 64972), (25, 64948), (26, 64939), (27, 64909), (33, 64861),

Gene: DogYard_116 Start: 66663, Stop: 66190, Start Num: 8
Candidate Starts for DogYard_116:
(Start: 8 @66663 has 5 MA's), (14, 66570), (22, 66402), (24, 66327), (26, 66294), (27, 66264), (31, 66240), (33, 66216),

Gene: Forrestell_117 Start: 66315, Stop: 65842, Start Num: 8
Candidate Starts for Forrestell_117:
(Start: 8 @66315 has 5 MA's), (14, 66222), (22, 66054), (24, 65979), (26, 65946), (27, 65916), (31, 65892), (33, 65868),

Gene: Kubulix_115 Start: 66353, Stop: 65880, Start Num: 8
Candidate Starts for Kubulix_115:
(Start: 8 @66353 has 5 MA's), (14, 66260), (22, 66092), (24, 66017), (26, 65984), (27, 65954), (31, 65930), (33, 65906),

Gene: MellowYellow_120 Start: 67698, Stop: 67225, Start Num: 8
Candidate Starts for MellowYellow_120:
(Start: 8 @67698 has 5 MA's), (14, 67605), (22, 67437), (24, 67362), (26, 67329), (27, 67299), (31, 67275), (33, 67251),

Gene: NyleyClemson_121 Start: 67328, Stop: 66855, Start Num: 8
Candidate Starts for NyleyClemson_121:
(Start: 8 @67328 has 5 MA's), (14, 67235), (22, 67067), (24, 66992), (26, 66959), (27, 66929), (31, 66905), (33, 66881),

Gene: Odyssey395_117 Start: 66479, Stop: 65880, Start Num: 2
Candidate Starts for Odyssey395_117:
(1, 66578), (Start: 2 @66479 has 1 MA's), (4, 66449), (5, 66428), (7, 66410), (10, 66299), (14, 66260), (22, 66092), (24, 66017), (26, 65984), (27, 65954), (31, 65930), (33, 65906),

Gene: Ollypop_112 Start: 67774, Stop: 67349, Start Num: 14
Candidate Starts for Ollypop_112:
(14, 67774), (18, 67639), (19, 67627), (25, 67507), (26, 67498), (27, 67468), (31, 67444), (33, 67420),

Gene: Pointis_114 Start: 66251, Stop: 65778, Start Num: 8
Candidate Starts for Pointis_114:
(Start: 8 @66251 has 5 MA's), (14, 66158), (22, 65990), (24, 65915), (26, 65882), (27, 65852), (31, 65828), (33, 65804),

Gene: Pureglobe5_119 Start: 67301, Stop: 66828, Start Num: 8
Candidate Starts for Pureglobe5_119:
(Start: 8 @67301 has 5 MA's), (14, 67208), (22, 67040), (24, 66965), (26, 66932), (27, 66902), (31, 66878), (33, 66854),

Gene: Ranunculus_106 Start: 67292, Stop: 66819, Start Num: 8
Candidate Starts for Ranunculus_106:
(3, 67385), (6, 67349), (Start: 8 @67292 has 5 MA's), (10, 67235), (14, 67196), (18, 67067), (23, 66959), (25, 66932), (26, 66923), (29, 66875), (33, 66848),

Gene: RazzB_117 Start: 66904, Stop: 66431, Start Num: 8
Candidate Starts for RazzB_117:
(Start: 8 @66904 has 5 MA's), (10, 66850), (14, 66811), (22, 66643), (24, 66568), (26, 66535), (27, 66505), (31, 66481), (33, 66457),

Gene: Rizwana_99 Start: 63693, Stop: 63283, Start Num: 13
Candidate Starts for Rizwana_99:
(Start: 13 @63693 has 1 MA's), (20, 63519), (25, 63396), (27, 63354),

Gene: SilentRX_100 Start: 63639, Stop: 63253, Start Num: 9
Candidate Starts for SilentRX_100:
(Start: 9 @63639 has 2 MA's), (20, 63474), (21, 63465), (25, 63357), (30, 63300), (33, 63273),

Gene: Tank_103 Start: 65602, Stop: 65189, Start Num: 12
Candidate Starts for Tank_103:
(Start: 12 @65602 has 2 MA's), (17, 65458), (26, 65293), (28, 65245), (32, 65221),

Gene: Wilde_106 Start: 66120, Stop: 65707, Start Num: 12
Candidate Starts for Wilde_106:
(Start: 12 @66120 has 2 MA's), (17, 65976), (26, 65811), (28, 65763), (32, 65739),