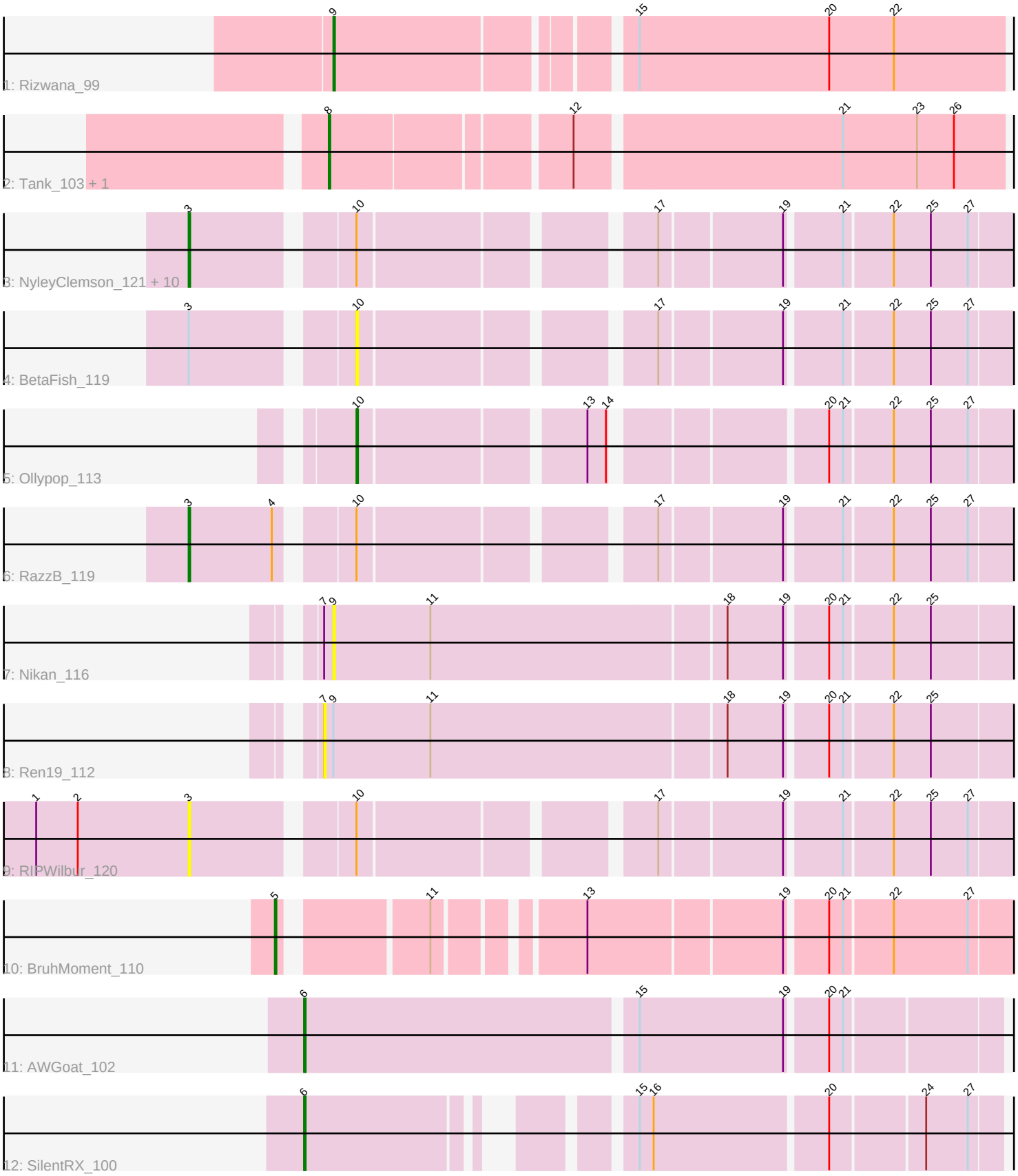
Pham 295057


9
15
20
22
1: Rizwana_99
8
12
21
23
26
2: Tank_103 + 1
3
10
17
19
21
22
25
27
3: NyleyClemson_121 + 10
3
10
17
19
21
22
25
27
4: BetaFish_119
10
13
14
20
21
22
25
27
5: Ollypop_113
3
4
10
17
19
21
22
25
27
6: RazzB_119
7
9
11
18
19
20
21
22
25
7: Nikan_116
7
9
11
18
19
20
21
22
25
8: Ren19_112
1
2
3
10
17
19
21
22
25
27
9: RIPWilbur_120
5
11
13
19
20
21
22
27
10: BruhMoment_110
6
15
19
20
21
11: AWGoat_102
6
15
16
20
24
27
12: 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 295057 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295057 has 23 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Rizwana_99
• Track 2 : Tank_103, Wilde_106
• Track 3 : NyleyClemson_121, MellowYellow_120, Popstraw_114, Hive_116, PhuzzTulsa_117, Kubulix_118, Forrestell_119, DogYard_117, Pureglobe5_119, Pointis_114, Beagle_123
• Track 4 : BetaFish_119
• Track 5 : Ollypop_113
• Track 6 : RazzB_119
• Track 7 : Nikan_116
• Track 8 : Ren19_112
• Track 9 : RIPWilbur_120
• Track 10 : BruhMoment_110
• Track 11 : AWGoat_102
• Track 12 : 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 3, it was called in 8 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_123, DogYard_117, Forrestell_119, Hive_116, Kubulix_118, MellowYellow_120, NyleyClemson_121, PhuzzTulsa_117, Pointis_114, Popstraw_114, Pureglobe5_119, RIPWilbur_120, RazzB_119,

Genes that have the "Most Annotated" start but do not call it:
• BetaFish_119,

Genes that do not have the "Most Annotated" start:
• AWGoat_102, BruhMoment_110, Nikan_116, Ollypop_113, Ren19_112, Rizwana_99, SilentRX_100, Tank_103, Wilde_106,

Summary by start number:

Start 3:
• Found in 14 of 23 (60.9%) of genes in pham
• Manual Annotations of this start: 8 of 15
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Beagle_123 (AP2), DogYard_117 (AP2), Forrestell_119 (AP2), Hive_116 (AP2), Kubulix_118 (AP2), MellowYellow_120 (AP2), NyleyClemson_121 (AP2), PhuzzTulsa_117 (AP2), Pointis_114 (AP2), Popstraw_114 (AP2), Pureglobe5_119 (AP2), RIPWilbur_120 (AP2), RazzB_119 (AP2),

Start 5:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_110 (AP3),

Start 6:
• Found in 2 of 23 (8.7%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_102 (AP4), SilentRX_100 (AP4),

Start 7:
• Found in 2 of 23 (8.7%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ren19_112 (AP2),

Start 8:
• Found in 2 of 23 (8.7%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tank_103 (AP1), Wilde_106 (AP1),

Start 9:
• Found in 3 of 23 (13.0%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Nikan_116 (AP2), Rizwana_99 (AP1),

Start 10:
• Found in 15 of 23 (65.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 13.3% of time when present
• Phage (with cluster) where this start called: BetaFish_119 (AP2), Ollypop_113 (AP2),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AP3, AP1, AP4,

Info for manual annotations of cluster AP1:
•Start number 8 was manually annotated 2 times for cluster AP1.

•Start number 9 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 3 was manually annotated 8 times for cluster AP2.
•Start number 10 was manually annotated 1 time for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 5 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 6 was manually annotated 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_102 Start: 63771, Stop: 63343, Start Num: 6
Candidate Starts for AWGoat_102:
(Start: 6 @63771 has 2 MA's), (15, 63564), (19, 63471), (20, 63447), (21, 63438),

Gene: Beagle_123 Start: 68025, Stop: 67552, Start Num: 3
Candidate Starts for Beagle_123:
(Start: 3 @68025 has 8 MA's), (Start: 10 @67932 has 1 MA's), (17, 67764), (19, 67689), (21, 67656), (22, 67626), (25, 67602), (27, 67578),

Gene: BetaFish_119 Start: 67604, Stop: 67224, Start Num: 10
Candidate Starts for BetaFish_119:
(Start: 3 @67697 has 8 MA's), (Start: 10 @67604 has 1 MA's), (17, 67436), (19, 67361), (21, 67328), (22, 67298), (25, 67274), (27, 67250),

Gene: BruhMoment_110 Start: 65254, Stop: 64826, Start Num: 5
Candidate Starts for BruhMoment_110:
(Start: 5 @65254 has 1 MA's), (11, 65173), (13, 65092), (19, 64972), (20, 64948), (21, 64939), (22, 64909), (27, 64861),

Gene: DogYard_117 Start: 66663, Stop: 66190, Start Num: 3
Candidate Starts for DogYard_117:
(Start: 3 @66663 has 8 MA's), (Start: 10 @66570 has 1 MA's), (17, 66402), (19, 66327), (21, 66294), (22, 66264), (25, 66240), (27, 66216),

Gene: Forrestell_119 Start: 66315, Stop: 65842, Start Num: 3
Candidate Starts for Forrestell_119:
(Start: 3 @66315 has 8 MA's), (Start: 10 @66222 has 1 MA's), (17, 66054), (19, 65979), (21, 65946), (22, 65916), (25, 65892), (27, 65868),

Gene: Hive_116 Start: 66644, Stop: 66171, Start Num: 3
Candidate Starts for Hive_116:
(Start: 3 @66644 has 8 MA's), (Start: 10 @66551 has 1 MA's), (17, 66383), (19, 66308), (21, 66275), (22, 66245), (25, 66221), (27, 66197),

Gene: Kubulix_118 Start: 66353, Stop: 65880, Start Num: 3
Candidate Starts for Kubulix_118:

(Start: 3 @66353 has 8 MA's), (Start: 10 @66260 has 1 MA's), (17, 66092), (19, 66017), (21, 65984), (22, 65954), (25, 65930), (27, 65906),

Gene: MellowYellow_120 Start: 67698, Stop: 67225, Start Num: 3
Candidate Starts for MellowYellow_120:
(Start: 3 @67698 has 8 MA's), (Start: 10 @67605 has 1 MA's), (17, 67437), (19, 67362), (21, 67329), (22, 67299), (25, 67275), (27, 67251),

Gene: Nikan_116 Start: 66972, Stop: 66541, Start Num: 9
Candidate Starts for Nikan_116:
(7, 66978), (Start: 9 @66972 has 1 MA's), (11, 66909), (18, 66723), (19, 66687), (20, 66663), (21, 66654), (22, 66624), (25, 66600),

Gene: NyleyClemson_121 Start: 67328, Stop: 66855, Start Num: 3
Candidate Starts for NyleyClemson_121:
(Start: 3 @67328 has 8 MA's), (Start: 10 @67235 has 1 MA's), (17, 67067), (19, 66992), (21, 66959), (22, 66929), (25, 66905), (27, 66881),

Gene: Ollypop_113 Start: 67774, Stop: 67349, Start Num: 10
Candidate Starts for Ollypop_113:
(Start: 10 @67774 has 1 MA's), (13, 67639), (14, 67627), (20, 67507), (21, 67498), (22, 67468), (25, 67444), (27, 67420),

Gene: PhuzzTulsa_117 Start: 66974, Stop: 66501, Start Num: 3
Candidate Starts for PhuzzTulsa_117:
(Start: 3 @66974 has 8 MA's), (Start: 10 @66881 has 1 MA's), (17, 66713), (19, 66638), (21, 66605), (22, 66575), (25, 66551), (27, 66527),

Gene: Pointis_114 Start: 66251, Stop: 65778, Start Num: 3
Candidate Starts for Pointis_114:
(Start: 3 @66251 has 8 MA's), (Start: 10 @66158 has 1 MA's), (17, 65990), (19, 65915), (21, 65882), (22, 65852), (25, 65828), (27, 65804),

Gene: Popstraw_114 Start: 66589, Stop: 66116, Start Num: 3
Candidate Starts for Popstraw_114:
(Start: 3 @66589 has 8 MA's), (Start: 10 @66496 has 1 MA's), (17, 66328), (19, 66253), (21, 66220), (22, 66190), (25, 66166), (27, 66142),

Gene: Pureglobe5_119 Start: 67301, Stop: 66828, Start Num: 3
Candidate Starts for Pureglobe5_119:
(Start: 3 @67301 has 8 MA's), (Start: 10 @67208 has 1 MA's), (17, 67040), (19, 66965), (21, 66932), (22, 66902), (25, 66878), (27, 66854),

Gene: RIPWilbur_120 Start: 66971, Stop: 66498, Start Num: 3
Candidate Starts for RIPWilbur_120:
(1, 67070), (2, 67043), (Start: 3 @66971 has 8 MA's), (Start: 10 @66878 has 1 MA's), (17, 66710), (19, 66635), (21, 66602), (22, 66572), (25, 66548), (27, 66524),

Gene: RazzB_119 Start: 66904, Stop: 66431, Start Num: 3
Candidate Starts for RazzB_119:
(Start: 3 @66904 has 8 MA's), (4, 66850), (Start: 10 @66811 has 1 MA's), (17, 66643), (19, 66568), (21, 66535), (22, 66505), (25, 66481), (27, 66457),

Gene: Ren19_112 Start: 66404, Stop: 65967, Start Num: 7
Candidate Starts for Ren19_112:
(7, 66404), (Start: 9 @66398 has 1 MA's), (11, 66335), (18, 66149), (19, 66113), (20, 66089), (21, 66080), (22, 66050), (25, 66026),

Gene: Rizwana_99 Start: 63693, Stop: 63283, Start Num: 9
Candidate Starts for Rizwana_99:
(Start: 9 @63693 has 1 MA's), (15, 63519), (20, 63396), (22, 63354),

Gene: SilentRX_100 Start: 63639, Stop: 63253, Start Num: 6
Candidate Starts for SilentRX_100:
(Start: 6 @63639 has 2 MA's), (15, 63474), (16, 63465), (20, 63357), (24, 63300), (27, 63273),

Gene: Tank_103 Start: 65602, Stop: 65189, Start Num: 8
Candidate Starts for Tank_103:
(Start: 8 @65602 has 2 MA's), (12, 65458), (21, 65293), (23, 65245), (26, 65221),

Gene: Wilde_106 Start: 66120, Stop: 65707, Start Num: 8
Candidate Starts for Wilde_106:
(Start: 8 @66120 has 2 MA's), (12, 65976), (21, 65811), (23, 65763), (26, 65739),