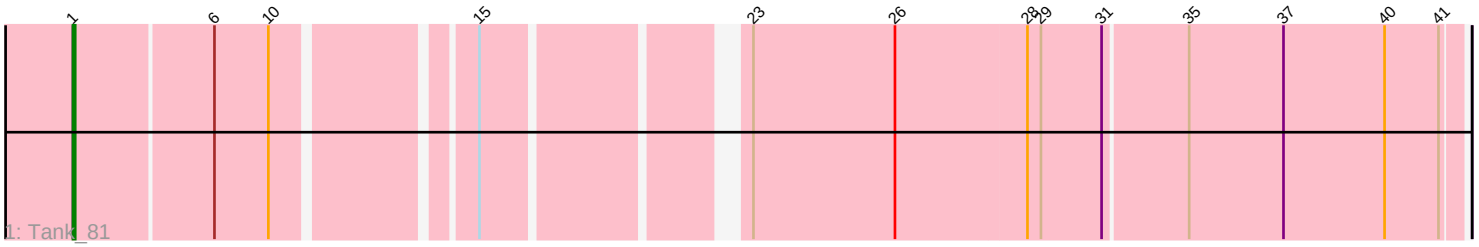
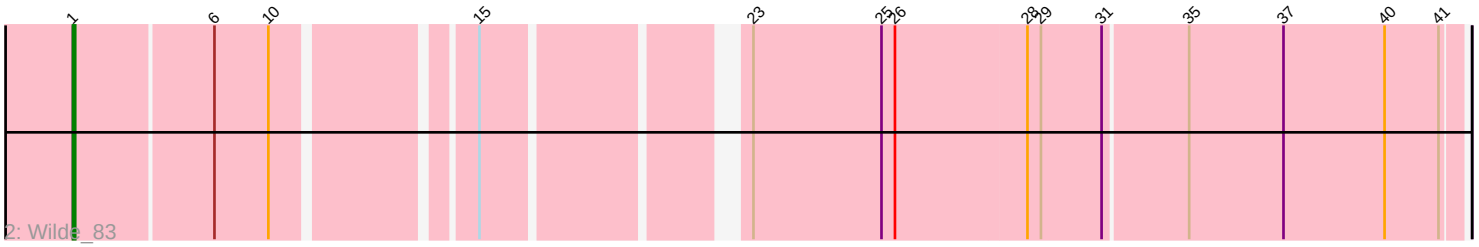
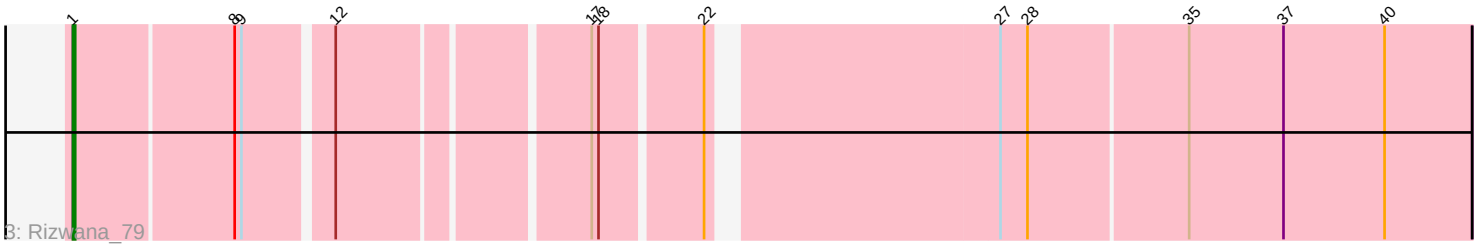
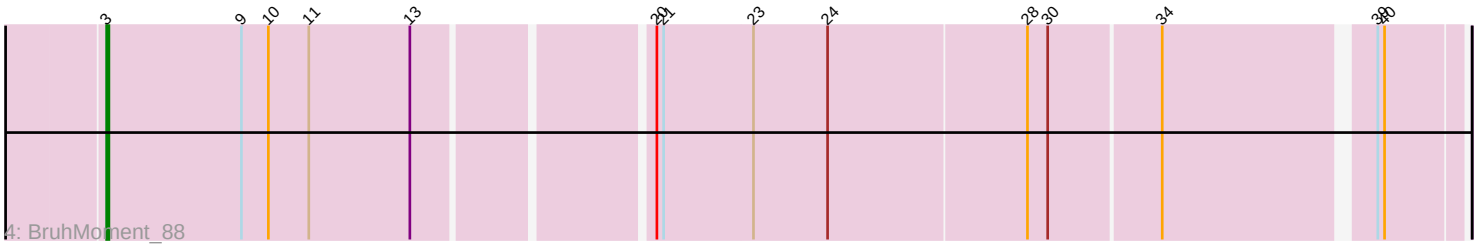
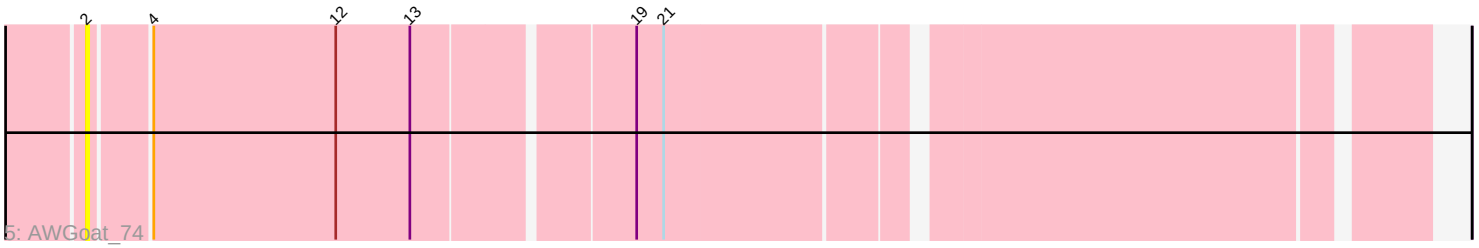
# Pham 8187

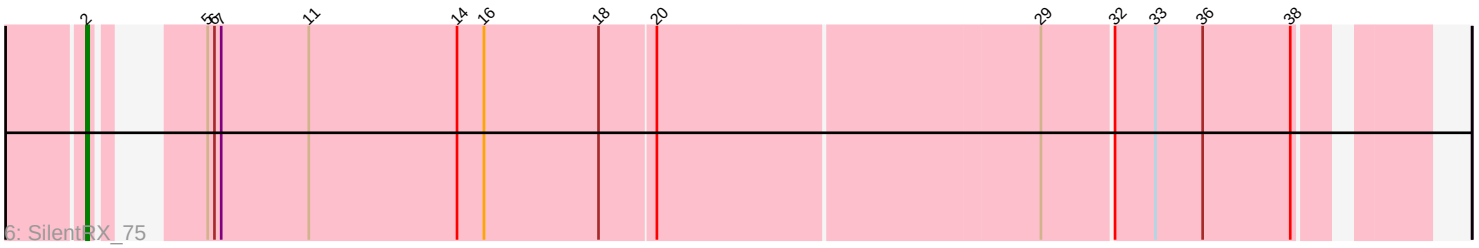

1
6
10
15
23
26
28
29
31
35
37
40
41
1: Tank_81


1
6
10
15
23
25
26
28
29
31
35
37
40
41
2: Wilde_83


1
8
12
17
18
22
27
28
35
37
40
3: Rizwana_79


3
9
10
11
13
20
21
23
24
28
30
34
4: BruhMoment_88


2
4
12
13
19
21
5: AWGoat_74


2
5
7
11
14
16
18
20
29
32
33
36
38
6: SilentBX_75

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 8187 Report

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

Pham number 8187 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Tank_81
• Track 2 : Wilde_83
• Track 3 : Rizwana_79
• Track 4 : BruhMoment_88
• Track 5 : AWGoat_74
• Track 6 : SilentRX_75

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

The start number called the most often in the published annotations is 1, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Rizwana_79, Tank_81, Wilde_83,

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

Genes that do not have the "Most Annotated" start:
• AWGoat_74, BruhMoment_88, SilentRX_75,

**Summary by start number:**

Start 1:
• Found in 3 of 6 ( 50.0% ) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rizwana_79 (AP1), Tank_81 (AP1), Wilde_83 (AP1),

Start 2:
• Found in 2 of 6 ( 33.3% ) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: AWGoat_74 (AP4), SilentRX_75 (AP4),

Start 3:
• Found in 1 of 6 ( 16.7% ) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_88 (AP3),

**Summary by clusters:**

There are 3 clusters represented in this pham: AP3, AP1, AP4,

Info for manual annotations of cluster AP1:
•Start number 1 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP3:
•Start number 3 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 2 was manually annotated 1 time for cluster AP4.

***Gene Information:***

Gene: AWGoat_74 Start: 51631, Stop: 51080, Start Num: 2
Candidate Starts for AWGoat_74:
(Start: 2 @51631 has 1 MA's), (4, 51607), (12, 51526), (13, 51493), (19, 51403), (21, 51391),

Gene: BruhMoment_88 Start: 57070, Stop: 56498, Start Num: 3
Candidate Starts for BruhMoment_88:
(Start: 3 @57070 has 1 MA's), (9, 57010), (10, 56998), (11, 56980), (13, 56935), (20, 56839), (21, 56836), (23, 56797), (24, 56764), (28, 56677), (30, 56668), (34, 56620), (39, 56533), (40, 56530),

Gene: Rizwana_79 Start: 55626, Stop: 55048, Start Num: 1
Candidate Starts for Rizwana_79:
(Start: 1 @55626 has 3 MA's), (8, 55557), (9, 55554), (12, 55518), (17, 55416), (18, 55413), (22, 55371), (27, 55254), (28, 55242), (35, 55173), (37, 55131), (40, 55086),

Gene: SilentRX_75 Start: 52458, Stop: 51913, Start Num: 2
Candidate Starts for SilentRX_75:
(Start: 2 @52458 has 1 MA's), (5, 52431), (6, 52428), (7, 52425), (11, 52386), (14, 52320), (16, 52308), (18, 52257), (20, 52233), (29, 52068), (32, 52038), (33, 52020), (36, 51999), (38, 51960),

Gene: Tank_81 Start: 56661, Stop: 56092, Start Num: 1
Candidate Starts for Tank_81:
(Start: 1 @56661 has 3 MA's), (6, 56601), (10, 56577), (15, 56499), (23, 56400), (26, 56337), (28, 56280), (29, 56274), (31, 56247), (35, 56211), (37, 56169), (40, 56124), (41, 56100),

Gene: Wilde_83 Start: 57005, Stop: 56436, Start Num: 1
Candidate Starts for Wilde_83:
(Start: 1 @57005 has 3 MA's), (6, 56945), (10, 56921), (15, 56843), (23, 56744), (25, 56687), (26, 56681), (28, 56624), (29, 56618), (31, 56591), (35, 56555), (37, 56513), (40, 56468), (41, 56444),