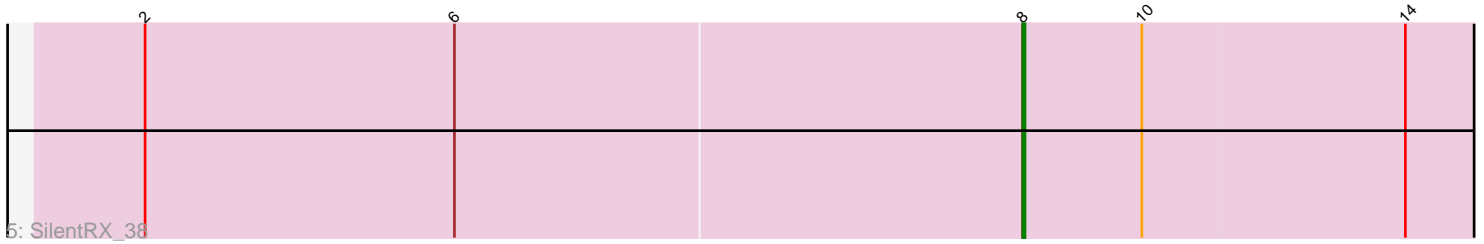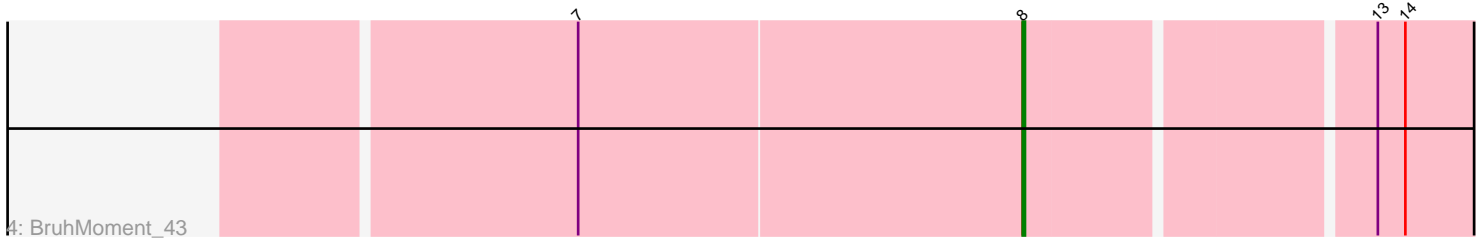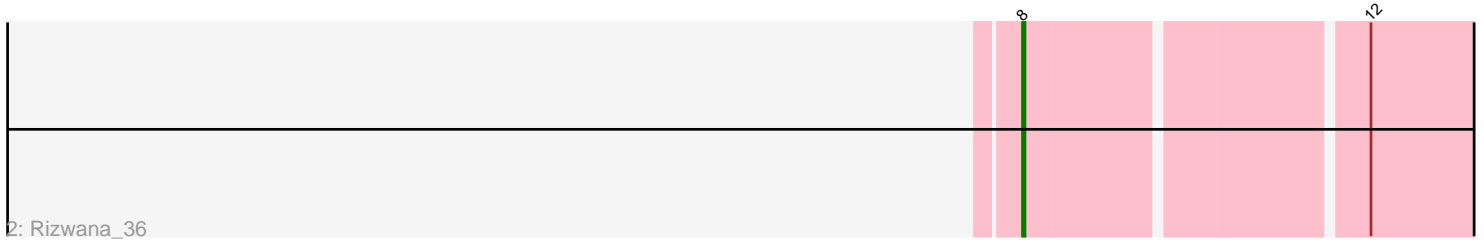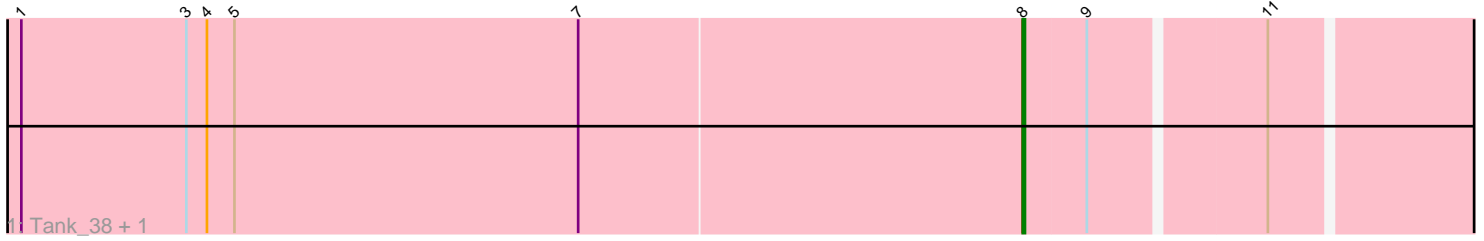# Pham 158328

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 158328 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158328 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Tank_38, Wilde_38
• Track 2 : Rizwana_36
• Track 3 : Beagle_47, Odyssey395_48, Pointis_44, MellowYellow_39, Pureglobe5_47
• Track 4 : BruhMoment_43
• Track 5 : SilentRX_38
• Track 6 : AWGoat_37

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AWGoat_37, Beagle_47, BruhMoment_43, MellowYellow_39, Odyssey395_48, Pointis_44, Pureglobe5_47, Rizwana_36, SilentRX_38, Tank_38, Wilde_38,

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

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

Summary by start number:

Start 8:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_37 (AP4), Beagle_47 (AP2), BruhMoment_43 (AP3), MellowYellow_39 (AP2), Odyssey395_48 (AP2), Pointis_44 (AP2), Pureglobe5_47 (AP2), Rizwana_36 (AP1), SilentRX_38 (AP4), Tank_38 (AP1), Wilde_38 (AP1),

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 3 times for cluster AP1.

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

Info for manual annotations of cluster AP3:
•Start number 8 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 8 was manually annotated 1 time for cluster AP4.

Gene Information:
Gene: AWGoat_37 Start: 33776, Stop: 34006, Start Num: 8
Candidate Starts for AWGoat_37:
(6, 33530), (Start: 8 @33776 has 8 MA's), (10, 33827), (14, 33941),

Gene: Beagle_47 Start: 35088, Stop: 35303, Start Num: 8
Candidate Starts for Beagle_47:
(Start: 8 @35088 has 8 MA's),

Gene: BruhMoment_43 Start: 36452, Stop: 36667, Start Num: 8
Candidate Starts for BruhMoment_43:
(7, 36260), (Start: 8 @36452 has 8 MA's), (13, 36593), (14, 36605),

Gene: MellowYellow_39 Start: 33823, Stop: 34038, Start Num: 8
Candidate Starts for MellowYellow_39:
(Start: 8 @33823 has 8 MA's),

Gene: Odyssey395_48 Start: 35107, Stop: 35322, Start Num: 8
Candidate Starts for Odyssey395_48:
(Start: 8 @35107 has 8 MA's),

Gene: Pointis_44 Start: 35105, Stop: 35320, Start Num: 8
Candidate Starts for Pointis_44:
(Start: 8 @35105 has 8 MA's),

Gene: Pureglobe5_47 Start: 35288, Stop: 35503, Start Num: 8
Candidate Starts for Pureglobe5_47:
(Start: 8 @35288 has 8 MA's),

Gene: Rizwana_36 Start: 35308, Stop: 35523, Start Num: 8
Candidate Starts for Rizwana_36:
(Start: 8 @35308 has 8 MA's), (12, 35446),

Gene: SilentRX_38 Start: 34826, Stop: 35059, Start Num: 8

Candidate Starts for SilentRX_38:
(2, 34445), (6, 34580), (Start: 8 @34826 has 8 MA's), (10, 34877), (14, 34991),

Gene: Tank_38 Start: 35341, Stop: 35556, Start Num: 8
Candidate Starts for Tank_38:
(1, 34906), (3, 34978), (4, 34987), (5, 34999), (7, 35149), (Start: 8 @35341 has 8 MA's), (9, 35368), (11, 35440),

Gene: Wilde_38 Start: 35183, Stop: 35398, Start Num: 8
Candidate Starts for Wilde_38:
(1, 34748), (3, 34820), (4, 34829), (5, 34841), (7, 34991), (Start: 8 @35183 has 8 MA's), (9, 35210), (11, 35282),