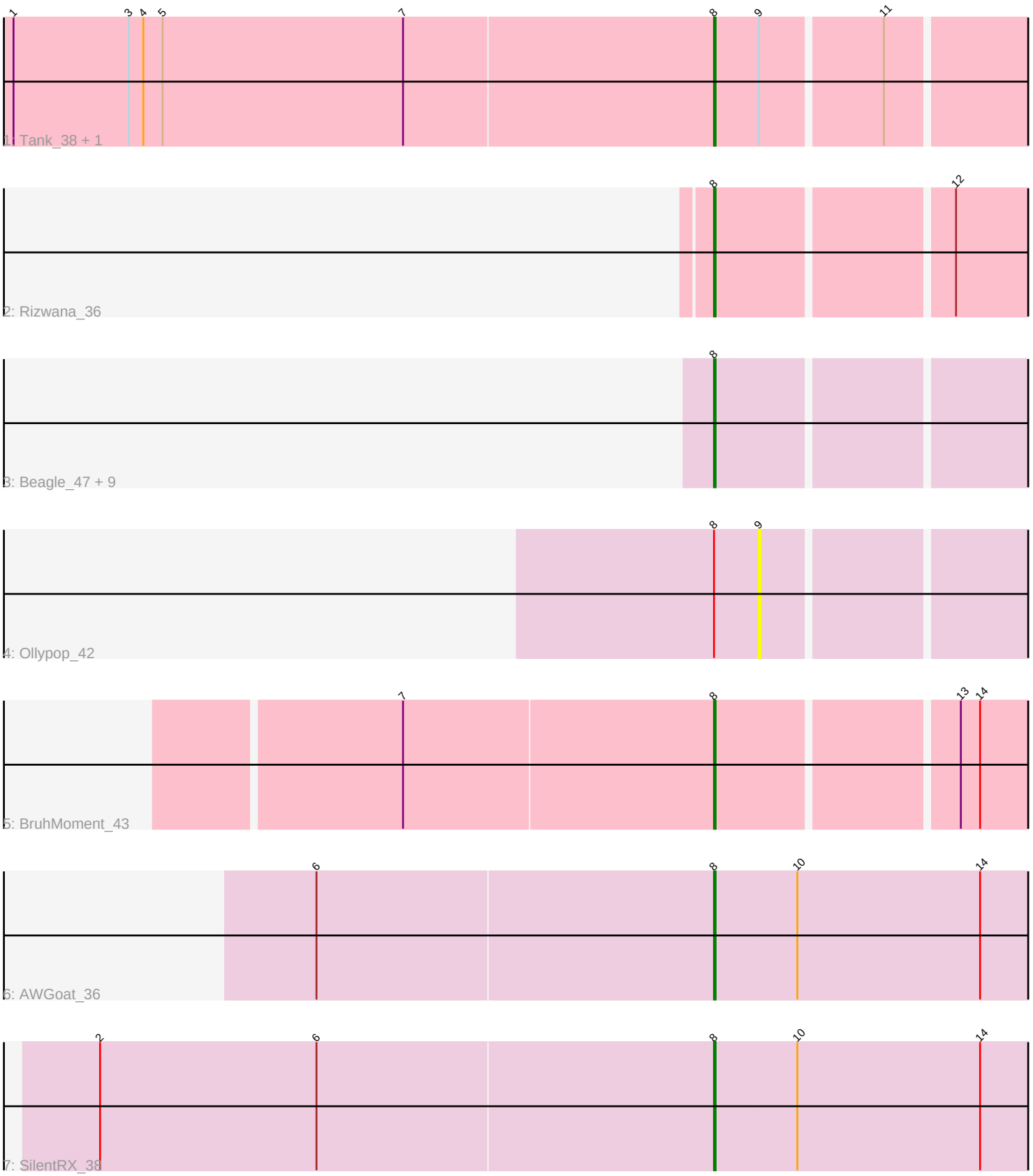
Pham 200694


1
3
4
5
7
8
9
11
1: Tank_38 + 1
8
12
2: Rizwana_36
8
3: Beagle_47 + 9
8
9
4: Ollypop_42
7
8
13
14
5: BruhMoment_43
6
8
10
14
6: AWGoat_36
2
6
8
10
14
7: SilentRX_38

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 200694 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200694 has 17 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Tank_38, Wilde_38
• Track 2 : Rizwana_36
• Track 3 : Beagle_47, Pointis_45, DogYard_44, Forrestell_40, Kubulix_44, Pureglobe5_47, RazzB_39, Odyssey395_48, MellowYellow_43, NyleyClemson_42
• Track 4 : Ollypop_42
• Track 5 : BruhMoment_43
• Track 6 : AWGoat_36
• Track 7 : SilentRX_38

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AWGoat_36, Beagle_47, BruhMoment_43, DogYard_44, Forrestell_40, Kubulix_44, MellowYellow_43, NyleyClemson_42, Odyssey395_48, Pointis_45, Pureglobe5_47, RazzB_39, Rizwana_36, SilentRX_38, Tank_38, Wilde_38,

Genes that have the "Most Annotated" start but do not call it:
• Ollypop_42,

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

Summary by start number:

Start 8:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 94.1% of time when present
• Phage (with cluster) where this start called: AWGoat_36 (AP4), Beagle_47 (AP2), BruhMoment_43 (AP3), DogYard_44 (AP2), Forrestell_40 (AP2), Kubulix_44 (AP2), MellowYellow_43 (AP2), NyleyClemson_42 (AP2), Odyssey395_48 (AP2), Pointis_45

(AP2), Pureglobe5_47 (AP2), RazzB_39 (AP2), Rizwana_36 (AP1), SilentRX_38 (AP4), Tank_38 (AP1), Wilde_38 (AP1),

Start 9:
• Found in 3 of 17 (17.6%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Ollypop_42 (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 3 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 8 was manually annotated 5 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 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_36 Start: 33776, Stop: 34006, Start Num: 8
Candidate Starts for AWGoat_36:
(6, 33530), (Start: 8 @33776 has 11 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 11 MA's),

Gene: BruhMoment_43 Start: 36452, Stop: 36667, Start Num: 8
Candidate Starts for BruhMoment_43:
(7, 36260), (Start: 8 @36452 has 11 MA's), (13, 36593), (14, 36605),

Gene: DogYard_44 Start: 34982, Stop: 35197, Start Num: 8
Candidate Starts for DogYard_44:
(Start: 8 @34982 has 11 MA's),

Gene: Forrestell_40 Start: 33457, Stop: 33672, Start Num: 8
Candidate Starts for Forrestell_40:
(Start: 8 @33457 has 11 MA's),

Gene: Kubulix_44 Start: 34930, Stop: 35145, Start Num: 8
Candidate Starts for Kubulix_44:
(Start: 8 @34930 has 11 MA's),

Gene: MellowYellow_43 Start: 33823, Stop: 34038, Start Num: 8
Candidate Starts for MellowYellow_43:
(Start: 8 @33823 has 11 MA's),

Gene: NyleyClemson_42 Start: 33438, Stop: 33653, Start Num: 8
Candidate Starts for NyleyClemson_42:
(Start: 8 @33438 has 11 MA's),

Gene: Odyssey395_48 Start: 35107, Stop: 35322, Start Num: 8
Candidate Starts for Odyssey395_48:
(Start: 8 @35107 has 11 MA's),

Gene: Ollypop_42 Start: 35225, Stop: 35413, Start Num: 9
Candidate Starts for Ollypop_42:
(Start: 8 @35198 has 11 MA's), (9, 35225),

Gene: Pointis_45 Start: 35105, Stop: 35320, Start Num: 8
Candidate Starts for Pointis_45:
(Start: 8 @35105 has 11 MA's),

Gene: Pureglobe5_47 Start: 35288, Stop: 35503, Start Num: 8
Candidate Starts for Pureglobe5_47:
(Start: 8 @35288 has 11 MA's),

Gene: RazzB_39 Start: 33569, Stop: 33784, Start Num: 8
Candidate Starts for RazzB_39:
(Start: 8 @33569 has 11 MA's),

Gene: Rizwana_36 Start: 35308, Stop: 35523, Start Num: 8
Candidate Starts for Rizwana_36:
(Start: 8 @35308 has 11 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 11 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 11 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 11 MA's), (9, 35210), (11, 35282),