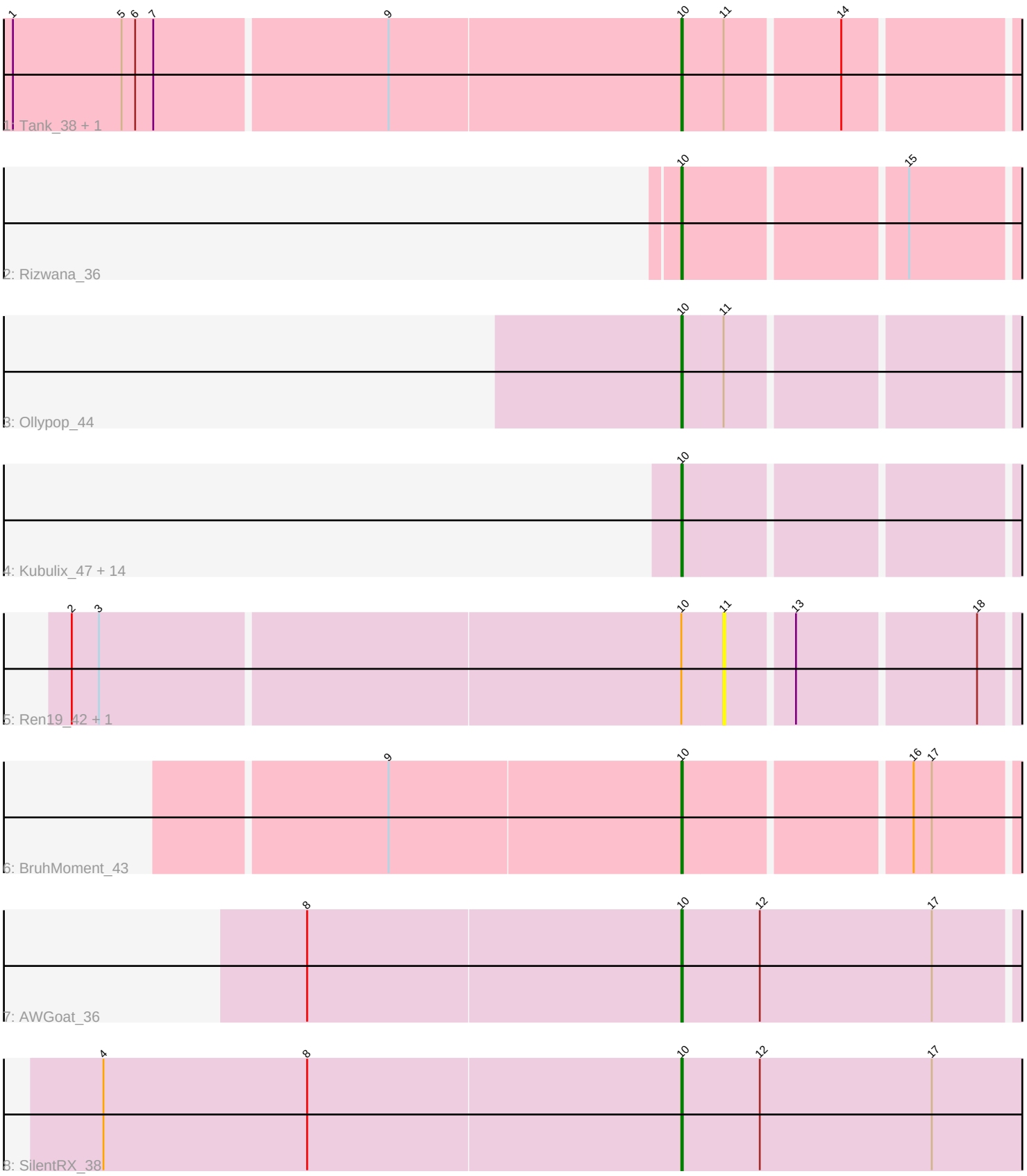
Pham 291493


1
5
6
7
9
10
11
14
1: Tank_38 + 1
10
15
2: Rizwana_36
10
11
3: Ollypop_44
10
4: Kubulix_47 + 14
2
3
10
11
13
18
5: Ren19_42 + 1
9
10
16
17
6: BruhMoment_43
8
10
12
17
7: AWGoat_36
4
8
10
12
17
8: 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 291493 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291493 has 24 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Tank_38, Wilde_38
• Track 2 : Rizwana_36
• Track 3 : Ollypop_44
• Track 4 : Kubulix_47, BetaFish_45, RIPWilbur_44, Beagle_47, Odyssey395_48, Pointis_45, RazzB_42, DogYard_46, Pureglobe5_47, PhuzzTulsa_43, Hive_44, Popstraw_43, MellowYellow_43, NyleyClemson_42, Forrestell_43
• Track 5 : Ren19_42, Nikan_44
• Track 6 : BruhMoment_43
• Track 7 : AWGoat_36
• Track 8 : 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 10, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AWGoat_36, Beagle_47, BetaFish_45, BruhMoment_43, DogYard_46, Forrestell_43, Hive_44, Kubulix_47, MellowYellow_43, NyleyClemson_42, Odyssey395_48, Ollypop_44, PhuzzTulsa_43, Pointis_45, Popstraw_43, Pureglobe5_47, RIPWilbur_44, RazzB_42, Rizwana_36, SilentRX_38, Tank_38, Wilde_38,

Genes that have the "Most Annotated" start but do not call it:
• Nikan_44, Ren19_42,

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

Summary by start number:

Start 10:
• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16

• Called 91.7% of time when present
• Phage (with cluster) where this start called: AWGoat_36 (AP4), Beagle_47 (AP2), BetaFish_45 (AP2), BruhMoment_43 (AP3), DogYard_46 (AP2), Forrestell_43 (AP2), Hive_44 (AP2), Kubulix_47 (AP2), MellowYellow_43 (AP2), NyleyClemson_42 (AP2), Odyssey395_48 (AP2), Ollypop_44 (AP2), PhuzzTulsa_43 (AP2), Pointis_45 (AP2), Popstraw_43 (AP2), Pureglobe5_47 (AP2), RIPWilbur_44 (AP2), RazzB_42 (AP2), Rizwana_36 (AP1), SilentRX_38 (AP4), Tank_38 (AP1), Wilde_38 (AP1),

Start 11:
• Found in 5 of 24 (20.8%) of genes in pham
• No Manual Annotations of this start.
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Nikan_44 (AP2), Ren19_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 10 was manually annotated 3 times for cluster AP1.

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

Info for manual annotations of cluster AP3:
•Start number 10 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 10 was manually annotated 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_36 Start: 33776, Stop: 34006, Start Num: 10
Candidate Starts for AWGoat_36:
(8, 33530), (Start: 10 @33776 has 16 MA's), (12, 33827), (17, 33941),

Gene: Beagle_47 Start: 35088, Stop: 35303, Start Num: 10
Candidate Starts for Beagle_47:
(Start: 10 @35088 has 16 MA's),

Gene: BetaFish_45 Start: 35282, Stop: 35497, Start Num: 10
Candidate Starts for BetaFish_45:
(Start: 10 @35282 has 16 MA's),

Gene: BruhMoment_43 Start: 36452, Stop: 36667, Start Num: 10
Candidate Starts for BruhMoment_43:
(9, 36260), (Start: 10 @36452 has 16 MA's), (16, 36593), (17, 36605),

Gene: DogYard_46 Start: 34982, Stop: 35197, Start Num: 10
Candidate Starts for DogYard_46:
(Start: 10 @34982 has 16 MA's),

Gene: Forrestell_43 Start: 33457, Stop: 33672, Start Num: 10
Candidate Starts for Forrestell_43:
(Start: 10 @33457 has 16 MA's),

Gene: Hive_44 Start: 35163, Stop: 35378, Start Num: 10
Candidate Starts for Hive_44:
(Start: 10 @35163 has 16 MA's),

Gene: Kubulix_47 Start: 34930, Stop: 35145, Start Num: 10
Candidate Starts for Kubulix_47:
(Start: 10 @34930 has 16 MA's),

Gene: MellowYellow_43 Start: 33823, Stop: 34038, Start Num: 10
Candidate Starts for MellowYellow_43:
(Start: 10 @33823 has 16 MA's),

Gene: Nikan_44 Start: 34133, Stop: 34321, Start Num: 11
Candidate Starts for Nikan_44:
(2, 33710), (3, 33728), (Start: 10 @34106 has 16 MA's), (11, 34133), (13, 34175), (18, 34289),

Gene: NyleyClemson_42 Start: 33438, Stop: 33653, Start Num: 10
Candidate Starts for NyleyClemson_42:
(Start: 10 @33438 has 16 MA's),

Gene: Odyssey395_48 Start: 35107, Stop: 35322, Start Num: 10
Candidate Starts for Odyssey395_48:
(Start: 10 @35107 has 16 MA's),

Gene: Ollypop_44 Start: 35198, Stop: 35413, Start Num: 10
Candidate Starts for Ollypop_44:
(Start: 10 @35198 has 16 MA's), (11, 35225),

Gene: PhuzzTulsa_43 Start: 35067, Stop: 35282, Start Num: 10
Candidate Starts for PhuzzTulsa_43:
(Start: 10 @35067 has 16 MA's),

Gene: Pointis_45 Start: 35105, Stop: 35320, Start Num: 10
Candidate Starts for Pointis_45:
(Start: 10 @35105 has 16 MA's),

Gene: Popstraw_43 Start: 34891, Stop: 35106, Start Num: 10
Candidate Starts for Popstraw_43:
(Start: 10 @34891 has 16 MA's),

Gene: Pureglobe5_47 Start: 35288, Stop: 35503, Start Num: 10
Candidate Starts for Pureglobe5_47:
(Start: 10 @35288 has 16 MA's),

Gene: RIPWilbur_44 Start: 34421, Stop: 34636, Start Num: 10
Candidate Starts for RIPWilbur_44:
(Start: 10 @34421 has 16 MA's),

Gene: RazzB_42 Start: 33569, Stop: 33784, Start Num: 10
Candidate Starts for RazzB_42:
(Start: 10 @33569 has 16 MA's),

Gene: Ren19_42 Start: 34133, Stop: 34321, Start Num: 11
Candidate Starts for Ren19_42:
(2, 33710), (3, 33728), (Start: 10 @34106 has 16 MA's), (11, 34133), (13, 34175), (18, 34289),

Gene: Rizwana_36 Start: 35308, Stop: 35523, Start Num: 10
Candidate Starts for Rizwana_36:
(Start: 10 @35308 has 16 MA's), (15, 35446),

Gene: SilentRX_38 Start: 34826, Stop: 35059, Start Num: 10
Candidate Starts for SilentRX_38:
(4, 34445), (8, 34580), (Start: 10 @34826 has 16 MA's), (12, 34877), (17, 34991),

Gene: Tank_38 Start: 35341, Stop: 35556, Start Num: 10
Candidate Starts for Tank_38:
(1, 34906), (5, 34978), (6, 34987), (7, 34999), (9, 35149), (Start: 10 @35341 has 16 MA's), (11, 35368), (14, 35440),

Gene: Wilde_38 Start: 35183, Stop: 35398, Start Num: 10
Candidate Starts for Wilde_38:
(1, 34748), (5, 34820), (6, 34829), (7, 34841), (9, 34991), (Start: 10 @35183 has 16 MA's), (11, 35210), (14, 35282),