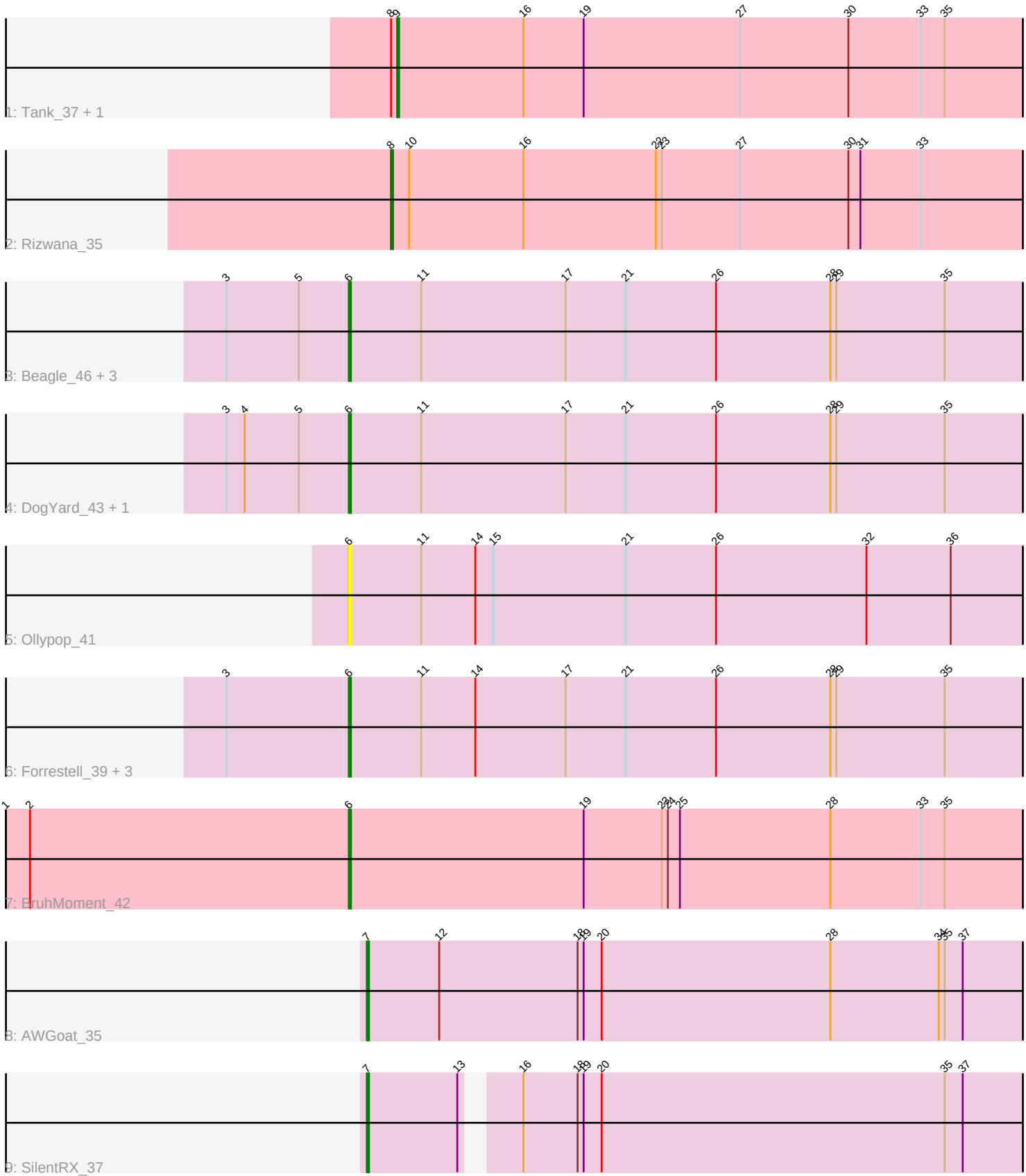
Pham 220187


1: Tank_37 + 1
2: Rizwana_35
3: Beagle_46 + 3
4: DogYard_43 + 1
5: Ollypop_41
6: Forrestell_39 + 3
7: BruhMoment_42
8: AWGoat_35
9: SilentRX_37

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 220187 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220187 has 17 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Tank_37, Wilde_37
• Track 2 : Rizwana_35
• Track 3 : Beagle_46, Pointis_44, Pureglobe5_46, Kubulix_43
• Track 4 : DogYard_43, Odyssey395_47
• Track 5 : Ollypop_41
• Track 6 : Forrestell_39, RazzB_38, MellowYellow_42, NyleyClemson_41
• Track 7 : BruhMoment_42
• Track 8 : AWGoat_35
• Track 9 : SilentRX_37

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_46, BruhMoment_42, DogYard_43, Forrestell_39, Kubulix_43, MellowYellow_42, NyleyClemson_41, Odyssey395_47, Ollypop_41, Pointis_44, Pureglobe5_46, RazzB_38,

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

Genes that do not have the "Most Annotated" start:
• AWGoat_35, Rizwana_35, SilentRX_37, Tank_37, Wilde_37,

Summary by start number:

Start 6:
• Found in 12 of 17 (70.6%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_46 (AP2), BruhMoment_42 (AP3), DogYard_43 (AP2), Forrestell_39 (AP2), Kubulix_43 (AP2), MellowYellow_42

(AP2), NyleyClemson_41 (AP2), Odyssey395_47 (AP2), Ollypop_41 (AP2), Pointis_44 (AP2), Pureglobe5_46 (AP2), RazzB_38 (AP2),

Start 7:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_35 (AP4), SilentRX_37 (AP4),

Start 8:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Rizwana_35 (AP1),

Start 9:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tank_37 (AP1), Wilde_37 (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 1 time for cluster AP1.
•Start number 9 was manually annotated 2 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 6 was manually annotated 5 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 6 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 7 was manually annotated 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_35 Start: 33444, Stop: 33779, Start Num: 7
Candidate Starts for AWGoat_35:
(Start: 7 @33444 has 2 MA's), (12, 33480), (18, 33549), (19, 33552), (20, 33561), (28, 33675), (34, 33729), (35, 33732), (37, 33741),

Gene: Beagle_46 Start: 34747, Stop: 35091, Start Num: 6
Candidate Starts for Beagle_46:
(3, 34687), (5, 34723), (Start: 6 @34747 has 6 MA's), (11, 34783), (17, 34855), (21, 34885), (26, 34930), (28, 34987), (29, 34990), (35, 35044),

Gene: BruhMoment_42 Start: 36111, Stop: 36455, Start Num: 6

Candidate Starts for BruhMoment_42:
(1, 35940), (2, 35952), (Start: 6 @36111 has 6 MA's), (19, 36228), (23, 36267), (24, 36270), (25, 36276), (28, 36351), (33, 36396), (35, 36408),

Gene: DogYard_43 Start: 34641, Stop: 34985, Start Num: 6
Candidate Starts for DogYard_43:
(3, 34581), (4, 34590), (5, 34617), (Start: 6 @34641 has 6 MA's), (11, 34677), (17, 34749), (21, 34779), (26, 34824), (28, 34881), (29, 34884), (35, 34938),

Gene: Forrestell_39 Start: 33116, Stop: 33460, Start Num: 6
Candidate Starts for Forrestell_39:
(3, 33056), (Start: 6 @33116 has 6 MA's), (11, 33152), (14, 33179), (17, 33224), (21, 33254), (26, 33299), (28, 33356), (29, 33359), (35, 33413),

Gene: Kubulix_43 Start: 34589, Stop: 34933, Start Num: 6
Candidate Starts for Kubulix_43:
(3, 34529), (5, 34565), (Start: 6 @34589 has 6 MA's), (11, 34625), (17, 34697), (21, 34727), (26, 34772), (28, 34829), (29, 34832), (35, 34886),

Gene: MellowYellow_42 Start: 33482, Stop: 33826, Start Num: 6
Candidate Starts for MellowYellow_42:
(3, 33422), (Start: 6 @33482 has 6 MA's), (11, 33518), (14, 33545), (17, 33590), (21, 33620), (26, 33665), (28, 33722), (29, 33725), (35, 33779),

Gene: NyleyClemson_41 Start: 33097, Stop: 33441, Start Num: 6
Candidate Starts for NyleyClemson_41:
(3, 33037), (Start: 6 @33097 has 6 MA's), (11, 33133), (14, 33160), (17, 33205), (21, 33235), (26, 33280), (28, 33337), (29, 33340), (35, 33394),

Gene: Odyssey395_47 Start: 34766, Stop: 35110, Start Num: 6
Candidate Starts for Odyssey395_47:
(3, 34706), (4, 34715), (5, 34742), (Start: 6 @34766 has 6 MA's), (11, 34802), (17, 34874), (21, 34904), (26, 34949), (28, 35006), (29, 35009), (35, 35063),

Gene: Ollypop_41 Start: 34857, Stop: 35201, Start Num: 6
Candidate Starts for Ollypop_41:
(Start: 6 @34857 has 6 MA's), (11, 34893), (14, 34920), (15, 34929), (21, 34995), (26, 35040), (32, 35115), (36, 35157),

Gene: Pointis_44 Start: 34764, Stop: 35108, Start Num: 6
Candidate Starts for Pointis_44:
(3, 34704), (5, 34740), (Start: 6 @34764 has 6 MA's), (11, 34800), (17, 34872), (21, 34902), (26, 34947), (28, 35004), (29, 35007), (35, 35061),

Gene: Pureglobe5_46 Start: 34947, Stop: 35291, Start Num: 6
Candidate Starts for Pureglobe5_46:
(3, 34887), (5, 34923), (Start: 6 @34947 has 6 MA's), (11, 34983), (17, 35055), (21, 35085), (26, 35130), (28, 35187), (29, 35190), (35, 35244),

Gene: RazzB_38 Start: 33228, Stop: 33572, Start Num: 6
Candidate Starts for RazzB_38:
(3, 33168), (Start: 6 @33228 has 6 MA's), (11, 33264), (14, 33291), (17, 33336), (21, 33366), (26, 33411), (28, 33468), (29, 33471), (35, 33525),

Gene: Rizwana_35 Start: 34988, Stop: 35311, Start Num: 8
Candidate Starts for Rizwana_35:
(Start: 8 @34988 has 1 MA's), (10, 34997), (16, 35054), (22, 35120), (23, 35123), (27, 35162), (30, 35216), (31, 35222), (33, 35252),

Gene: SilentRX_37 Start: 34506, Stop: 34829, Start Num: 7
Candidate Starts for SilentRX_37:
(Start: 7 @34506 has 2 MA's), (13, 34551), (16, 34572), (18, 34599), (19, 34602), (20, 34611), (35, 34782), (37, 34791),

Gene: Tank_37 Start: 35024, Stop: 35344, Start Num: 9
Candidate Starts for Tank_37:
(Start: 8 @35021 has 1 MA's), (Start: 9 @35024 has 2 MA's), (16, 35087), (19, 35117), (27, 35195), (30, 35249), (33, 35285), (35, 35297),

Gene: Wilde_37 Start: 34866, Stop: 35186, Start Num: 9
Candidate Starts for Wilde_37:
(Start: 8 @34863 has 1 MA's), (Start: 9 @34866 has 2 MA's), (16, 34929), (19, 34959), (27, 35037), (30, 35091), (33, 35127), (35, 35139),