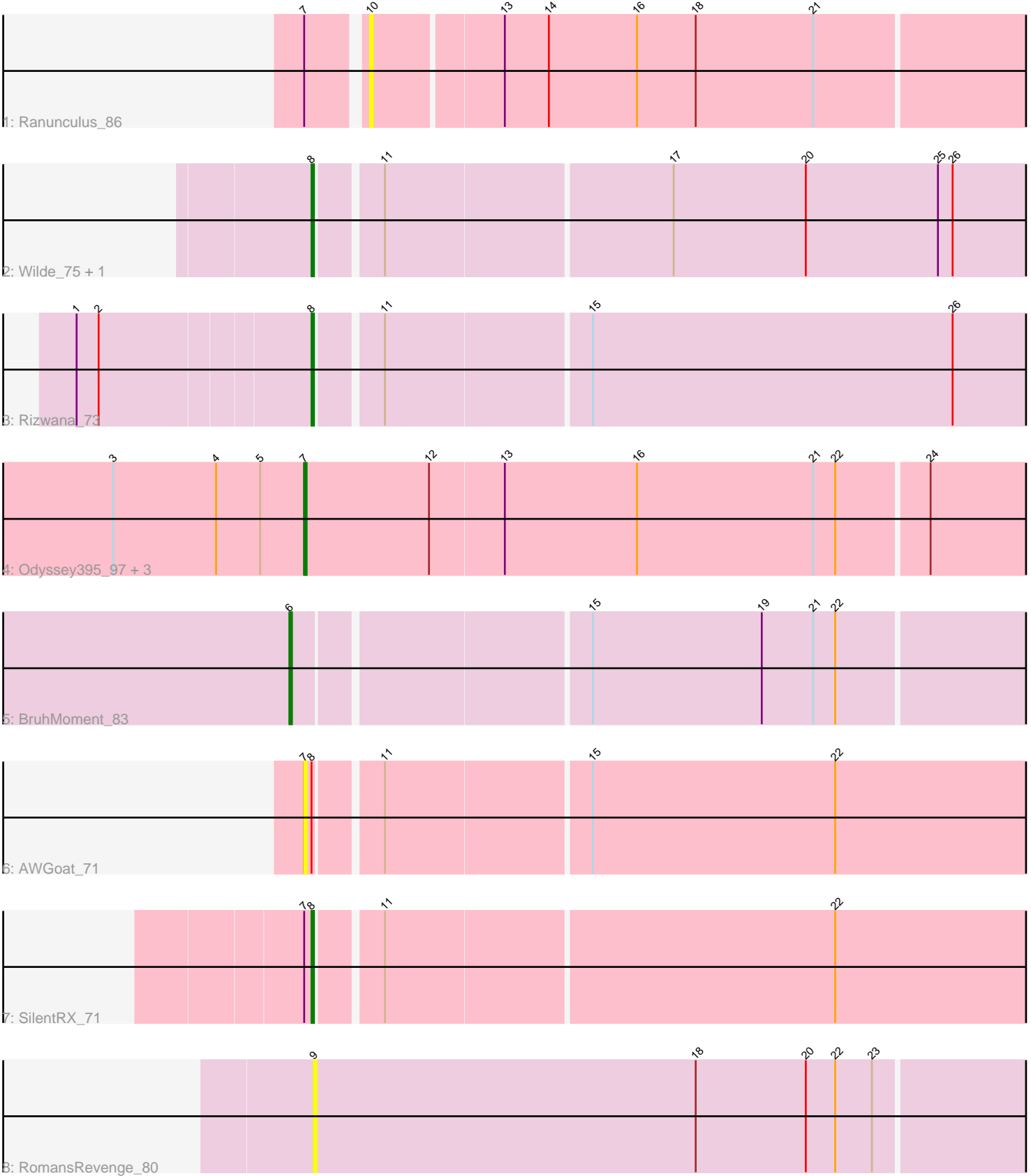


Pham 87868



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 87868 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87868 has 12 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_86
- Track 2 : Wilde_75, Tank_73
- Track 3 : Rizwana_73
- Track 4 : Odyssey395_97, Pureglobe5_97, MellowYellow_94, Pointis_93
- Track 5 : BruhMoment_83
- Track 6 : AWGoat_71
- Track 7 : SilentRX_71
- Track 8 : RomansRevenge_80

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Rizwana_73, SilentRX_71, Tank_73, Wilde_75,

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

- AWGoat_71,

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

- BruhMoment_83, MellowYellow_94, Odyssey395_97, Pointis_93, Pureglobe5_97, Ranunculus_86, RomansRevenge_80,

Summary by start number:

Start 6:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_83 (AP3),

Start 7:

- Found in 7 of 12 (58.3%) of genes in pham

- Manual Annotations of this start: 2 of 7
- Called 71.4% of time when present
- Phage (with cluster) where this start called: AWGoat_71 (AP4), MellowYellow_94 (AP2), Odyssey395_97 (AP2), Pointis_93 (AP2), Pureglobe5_97 (AP2),

Start 8:

- Found in 5 of 12 (41.7%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Rizwana_73 (AP1), SilentRX_71 (AP4), Tank_73 (AP1), Wilde_75 (AP1),

Start 9:

- Found in 1 of 12 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RomansRevenge_80 (singleton),

Start 10:

- Found in 1 of 12 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ranunculus_86 (AP),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, AP2, AP3, AP1, AP4, AP,

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 7 was manually annotated 2 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 8 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_71 Start: 50224, Stop: 49928, Start Num: 7

Candidate Starts for AWGoat_71:

(Start: 7 @50224 has 2 MA's), (Start: 8 @50221 has 4 MA's), (11, 50197), (15, 50116), (22, 50017),

Gene: BruhMoment_83 Start: 55266, Stop: 54958, Start Num: 6

Candidate Starts for BruhMoment_83:

(Start: 6 @55266 has 1 MA's), (15, 55152), (19, 55083), (21, 55062), (22, 55053),

Gene: MellowYellow_94 Start: 57643, Stop: 57341, Start Num: 7

Candidate Starts for MellowYellow_94:

(3, 57721), (4, 57679), (5, 57661), (Start: 7 @57643 has 2 MA's), (12, 57592), (13, 57562), (16, 57508), (21, 57436), (22, 57427), (24, 57391),

Gene: Odyssey395_97 Start: 57423, Stop: 57121, Start Num: 7

Candidate Starts for Odyssey395_97:

(3, 57501), (4, 57459), (5, 57441), (Start: 7 @57423 has 2 MA's), (12, 57372), (13, 57342), (16, 57288), (21, 57216), (22, 57207), (24, 57171),

Gene: Pointis_93 Start: 57319, Stop: 57017, Start Num: 7

Candidate Starts for Pointis_93:

(3, 57397), (4, 57355), (5, 57337), (Start: 7 @57319 has 2 MA's), (12, 57268), (13, 57238), (16, 57184), (21, 57112), (22, 57103), (24, 57067),

Gene: Pureglobe5_97 Start: 57981, Stop: 57679, Start Num: 7

Candidate Starts for Pureglobe5_97:

(3, 58059), (4, 58017), (5, 57999), (Start: 7 @57981 has 2 MA's), (12, 57930), (13, 57900), (16, 57846), (21, 57774), (22, 57765), (24, 57729),

Gene: Ranunculus_86 Start: 58255, Stop: 57968, Start Num: 10

Candidate Starts for Ranunculus_86:

(Start: 7 @58276 has 2 MA's), (10, 58255), (13, 58204), (14, 58186), (16, 58150), (18, 58126), (21, 58078),

Gene: Rizwana_73 Start: 52026, Stop: 51724, Start Num: 8

Candidate Starts for Rizwana_73:

(1, 52116), (2, 52107), (Start: 8 @52026 has 4 MA's), (11, 52002), (15, 51921), (26, 51774),

Gene: RomansRevenge_80 Start: 53969, Stop: 53667, Start Num: 9

Candidate Starts for RomansRevenge_80:

(9, 53969), (18, 53813), (20, 53768), (22, 53756), (23, 53741),

Gene: SilentRX_71 Start: 51060, Stop: 50767, Start Num: 8

Candidate Starts for SilentRX_71:

(Start: 7 @51063 has 2 MA's), (Start: 8 @51060 has 4 MA's), (11, 51036), (22, 50856),

Gene: Tank_73 Start: 52122, Stop: 51820, Start Num: 8

Candidate Starts for Tank_73:

(Start: 8 @52122 has 4 MA's), (11, 52098), (17, 51984), (20, 51930), (25, 51876), (26, 51870),

Gene: Wilde_75 Start: 52463, Stop: 52161, Start Num: 8

Candidate Starts for Wilde_75:

(Start: 8 @52463 has 4 MA's), (11, 52439), (17, 52325), (20, 52271), (25, 52217), (26, 52211),