Pham 155381

1: Rizwana_57

2: Wilde_59 + 1

3: BruhMoment_65

4: SilentRX_55 + 1
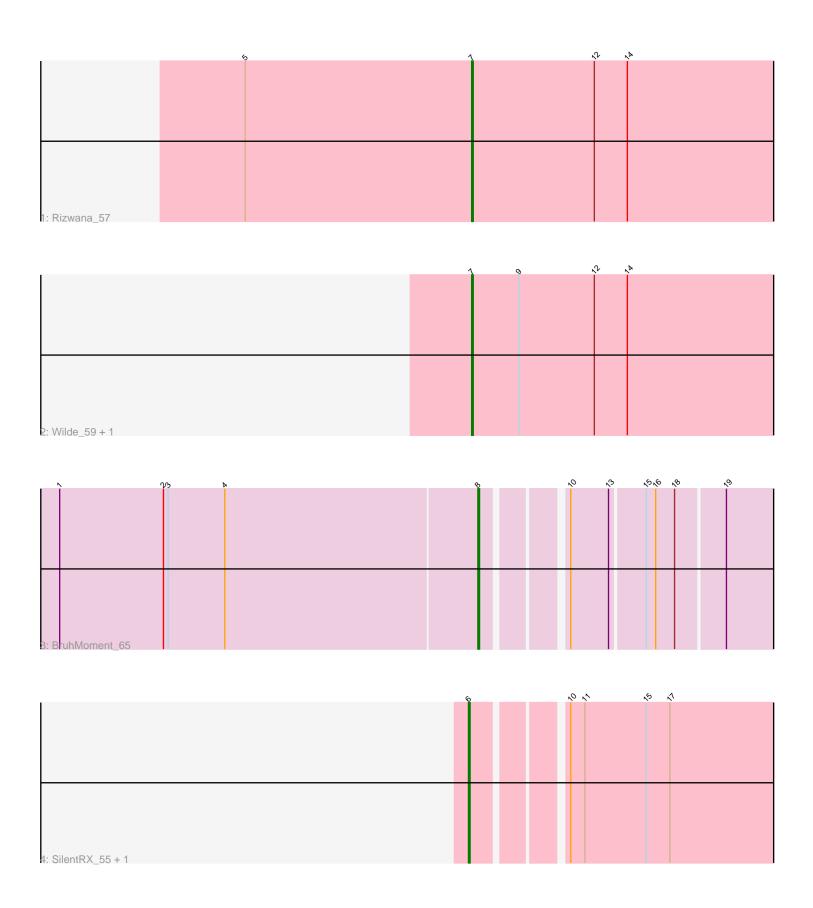
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 155381 Report

This analysis was run 04/12/24 on database version 558.

Pham number 155381 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Rizwana_57
• Track 2 : Wilde_59, Tank_57
• Track 3 : BruhMoment_65
• Track 4 : SilentRX_55, AWGoat_54

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Rizwana_57, Tank_57, Wilde_59,

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

Genes that do not have the "Most Annotated" start:
• AWGoat_54, BruhMoment_65, SilentRX_55,

Summary by start number:

Start 6:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_54 (AP4), SilentRX_55 (AP4),

Start 7:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rizwana_57 (AP1), Tank_57 (AP1), Wilde_59 (AP1),

Start 8:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_65 (AP3),

Summary by clusters:

There are 3 clusters represented in this pham: AP3, AP1, AP4,

Info for manual annotations of cluster AP1:
•Start number 7 was manually annotated 3 times for cluster AP1.

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 6 was manually annotated 1 time for cluster AP4.

Gene Information:
Gene: AWGoat_54 Start: 40310, Stop: 40074, Start Num: 6
Candidate Starts for AWGoat_54:
(Start: 6 @40310 has 1 MA's), (10, 40259), (11, 40250), (15, 40211), (17, 40196),

Gene: BruhMoment_65 Start: 44738, Stop: 44514, Start Num: 8
Candidate Starts for BruhMoment_65:
(1, 45002), (2, 44936), (3, 44933), (4, 44897), (Start: 8 @44738 has 1 MA's), (10, 44693), (13, 44669), (15, 44648), (16, 44642), (18, 44630), (19, 44600),

Gene: Rizwana_57 Start: 42532, Stop: 42281, Start Num: 7
Candidate Starts for Rizwana_57:
(5, 42676), (Start: 7 @42532 has 3 MA's), (12, 42454), (14, 42433),

Gene: SilentRX_55 Start: 41558, Stop: 41322, Start Num: 6
Candidate Starts for SilentRX_55:
(Start: 6 @41558 has 1 MA's), (10, 41507), (11, 41498), (15, 41459), (17, 41444),

Gene: Tank_57 Start: 42579, Stop: 42322, Start Num: 7
Candidate Starts for Tank_57:
(Start: 7 @42579 has 3 MA's), (9, 42549), (12, 42501), (14, 42480),

Gene: Wilde_59 Start: 42878, Stop: 42621, Start Num: 7
Candidate Starts for Wilde_59:
(Start: 7 @42878 has 3 MA's), (9, 42848), (12, 42800), (14, 42779),