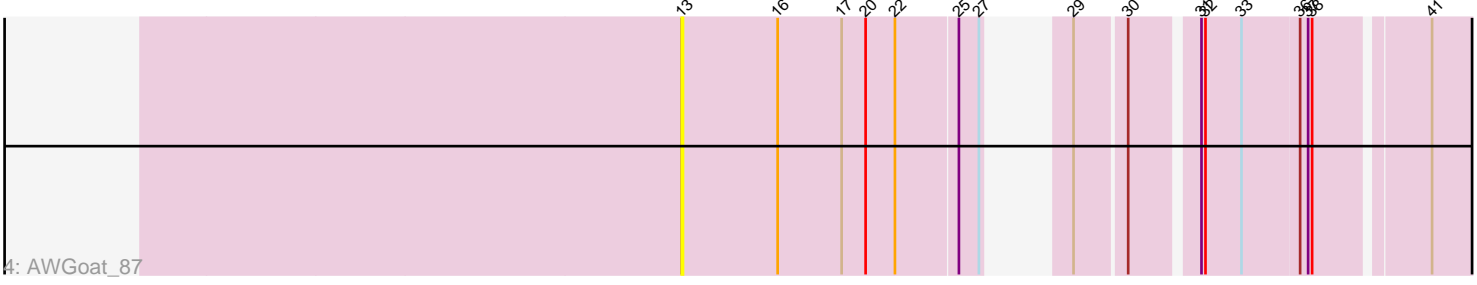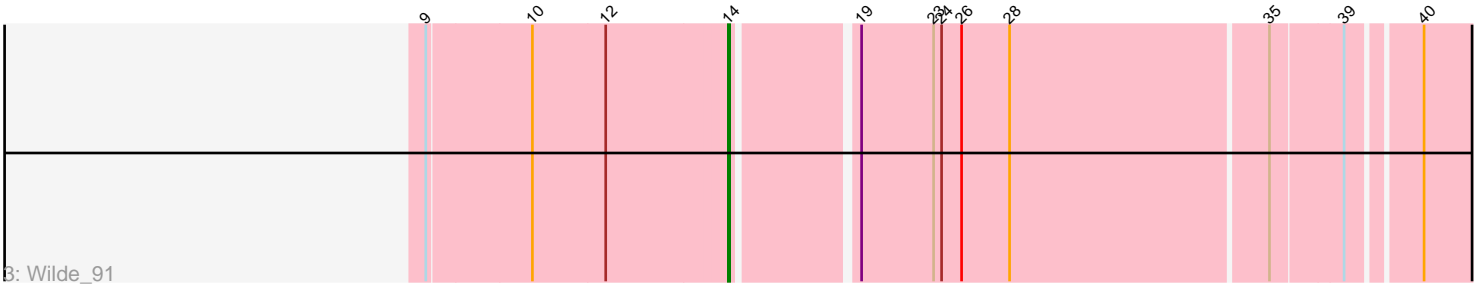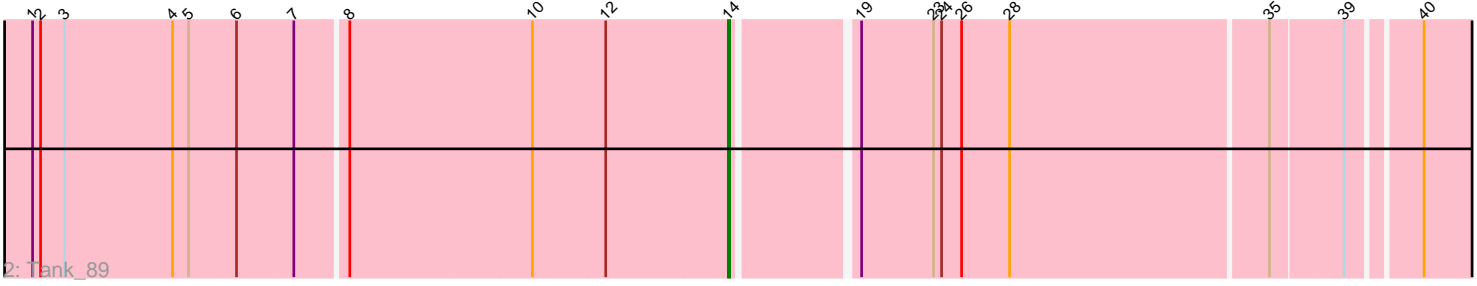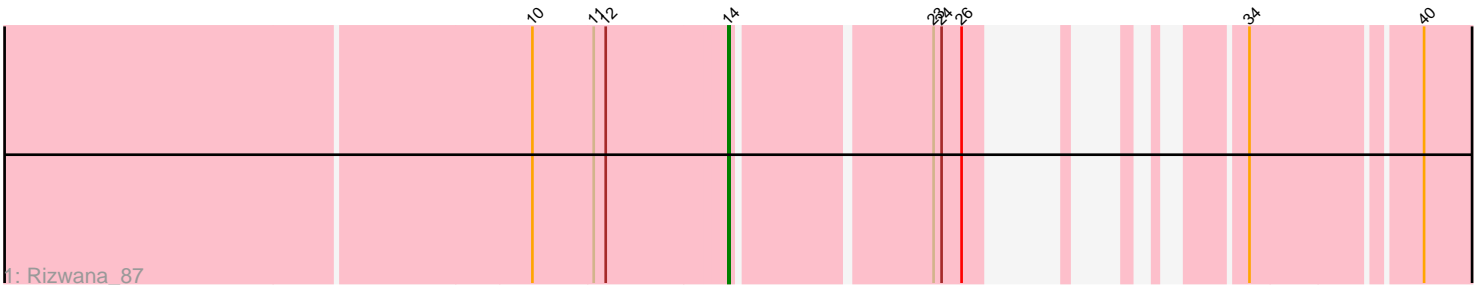# Pham 134395

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 134395 Report

This analysis was run 04/05/24 on database version 557.

Pham number 134395 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Rizwana_87
• Track 2 : Tank_89
• Track 3 : Wilde_91
• Track 4 : AWGoat_87
• Track 5 : SilentRX_86

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

The start number called the most often in the published annotations is 14, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Rizwana_87, Tank_89, Wilde_91,

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

Genes that do not have the "Most Annotated" start:
• AWGoat_87, SilentRX_86,

Summary by start number:

Start 13:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_87 (AP4), SilentRX_86 (AP4),

Start 14:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rizwana_87 (AP1), Tank_89 (AP1), Wilde_91 (AP1),

Summary by clusters:

There are 2 clusters represented in this pham: AP1, AP4,

Info for manual annotations of cluster AP1:
•Start number 14 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP4:
•Start number 13 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_87 Start: 57559, Stop: 57011, Start Num: 13
Candidate Starts for AWGoat_87:
(Start: 13 @57559 has 1 MA's), (16, 57487), (17, 57439), (20, 57421), (22, 57400), (25, 57355), (27, 57340), (29, 57322), (30, 57286), (31, 57241), (32, 57238), (33, 57211), (36, 57169), (37, 57163), (38, 57160), (41, 57082),

Gene: Rizwana_87 Start: 59107, Stop: 58685, Start Num: 14
Candidate Starts for Rizwana_87:
(10, 59248), (11, 59203), (12, 59194), (Start: 14 @59107 has 3 MA's), (23, 58969), (24, 58963), (26, 58948), (34, 58870), (40, 58753),

Gene: SilentRX_86 Start: 57839, Stop: 57309, Start Num: 13
Candidate Starts for SilentRX_86:
(Start: 13 @57839 has 1 MA's), (15, 57791), (16, 57767), (18, 57719), (21, 57704), (25, 57647), (30, 57578), (32, 57536), (33, 57515), (34, 57509), (37, 57470),

Gene: Tank_89 Start: 60509, Stop: 59958, Start Num: 14
Candidate Starts for Tank_89:
(1, 61016), (2, 61010), (3, 60992), (4, 60911), (5, 60899), (6, 60863), (7, 60821), (8, 60785), (10, 60650), (12, 60596), (Start: 14 @60509 has 3 MA's), (19, 60425), (23, 60371), (24, 60365), (26, 60350), (28, 60314), (35, 60125), (39, 60074), (40, 60026),

Gene: Wilde_91 Start: 60855, Stop: 60304, Start Num: 14
Candidate Starts for Wilde_91:
(9, 61071), (10, 60996), (12, 60942), (Start: 14 @60855 has 3 MA's), (19, 60771), (23, 60717), (24, 60711), (26, 60696), (28, 60660), (35, 60471), (39, 60420), (40, 60372),