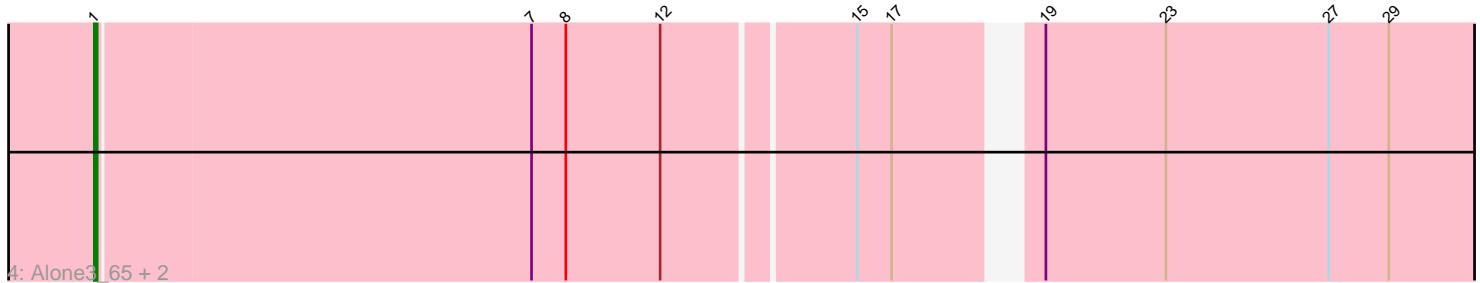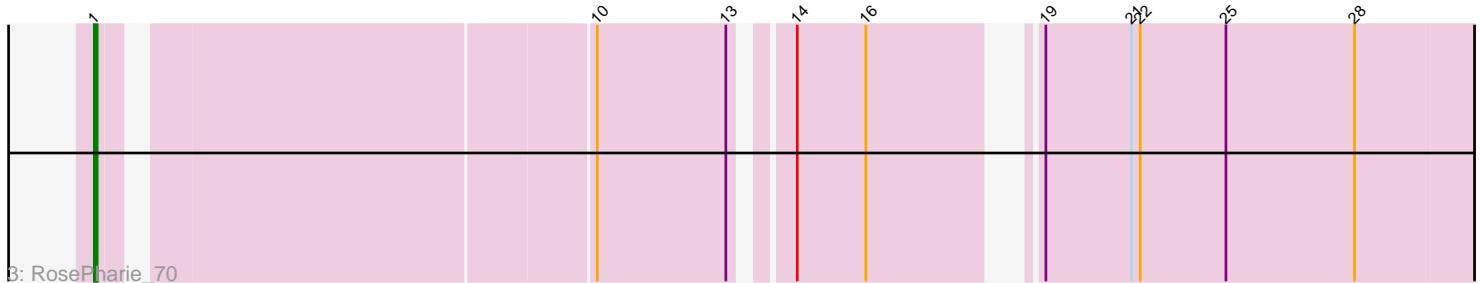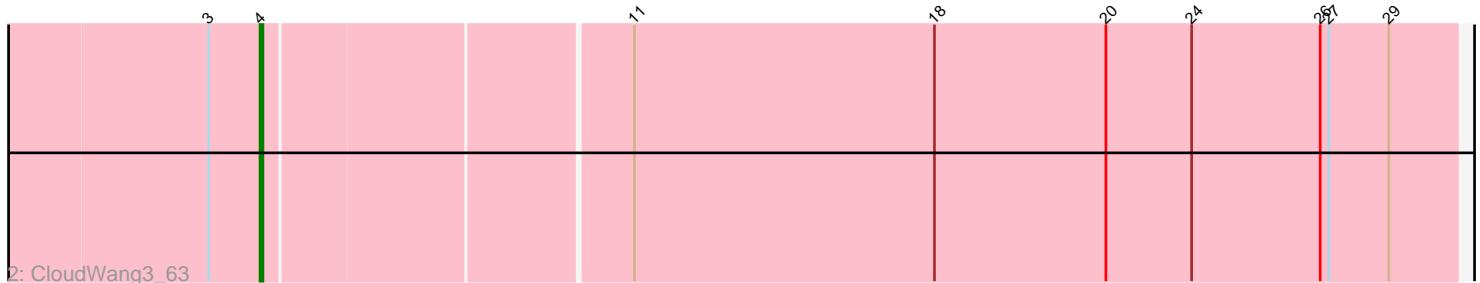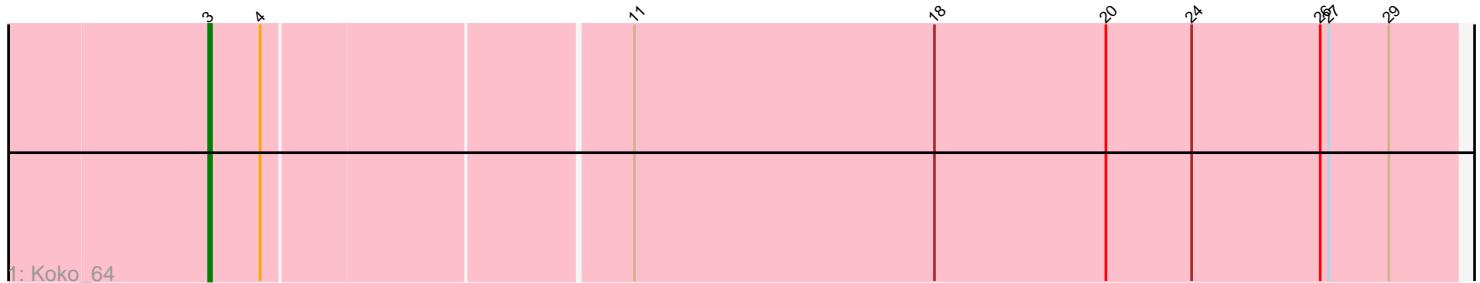# Pham 281252

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 281252 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281252 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Koko_64
• Track 2 : CloudWang3_63
• Track 3 : RosePharie_70
• Track 4 : Alone3_65, LuckySocke_64, Fudan_66
• Track 5 : Talos_64

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

The start number called the most often in the published annotations is 1, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alone3_65, Fudan_66, LuckySocke_64, RosePharie_70,

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

Genes that do not have the "Most Annotated" start:
• CloudWang3_63, Koko_64, Talos_64,

Summary by start number:

Start 1:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alone3_65 (BS), Fudan_66 (BS), LuckySocke_64 (BS), RosePharie_70 (BF),

Start 2:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Talos_64 (BS),

Start 3:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Koko_64 (A6),

Start 4:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CloudWang3_63 (A6),

Summary by clusters:

There are 3 clusters represented in this pham: BF, BS, A6,

Info for manual annotations of cluster A6:
•Start number 3 was manually annotated 1 time for cluster A6.
•Start number 4 was manually annotated 1 time for cluster A6.

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

Info for manual annotations of cluster BS:
•Start number 1 was manually annotated 2 times for cluster BS.
•Start number 2 was manually annotated 1 time for cluster BS.

Gene Information:
Gene: Alone3_65 Start: 23323, Stop: 23781, Start Num: 1
Candidate Starts for Alone3_65:
(Start: 1 @23323 has 3 MA's), (7, 23473), (8, 23485), (12, 23518), (15, 23581), (17, 23593), (19, 23632), (23, 23674), (27, 23731), (29, 23752),

Gene: CloudWang3_63 Start: 38546, Stop: 38136, Start Num: 4
Candidate Starts for CloudWang3_63:
(Start: 3 @38564 has 1 MA's), (Start: 4 @38546 has 1 MA's), (11, 38423), (18, 38318), (20, 38258), (24, 38228), (26, 38183), (27, 38180), (29, 38159),

Gene: Fudan_66 Start: 22684, Stop: 23142, Start Num: 1
Candidate Starts for Fudan_66:
(Start: 1 @22684 has 3 MA's), (7, 22834), (8, 22846), (12, 22879), (15, 22942), (17, 22954), (19, 22993), (23, 23035), (27, 23092), (29, 23113),

Gene: Koko_64 Start: 38904, Stop: 38476, Start Num: 3
Candidate Starts for Koko_64:
(Start: 3 @38904 has 1 MA's), (Start: 4 @38886 has 1 MA's), (11, 38763), (18, 38658), (20, 38598), (24, 38568), (26, 38523), (27, 38520), (29, 38499),

Gene: LuckySocke_64 Start: 22633, Stop: 23091, Start Num: 1

Candidate Starts for LuckySocke_64:
(Start: 1 @22633 has 3 MA's), (7, 22783), (8, 22795), (12, 22828), (15, 22891), (17, 22903), (19, 22942), (23, 22984), (27, 23041), (29, 23062),

Gene: RosePharie_70 Start: 35737, Stop: 36186, Start Num: 1
Candidate Starts for RosePharie_70:
(Start: 1 @35737 has 3 MA's), (10, 35896), (13, 35941), (14, 35956), (16, 35980), (19, 36025), (21, 36055), (22, 36058), (25, 36088), (28, 36133),

Gene: Talos_64 Start: 22480, Stop: 22926, Start Num: 2
Candidate Starts for Talos_64:
(Start: 2 @22480 has 1 MA's), (5, 22543), (6, 22552), (8, 22636), (9, 22642), (19, 22783), (23, 22825), (28, 22891),