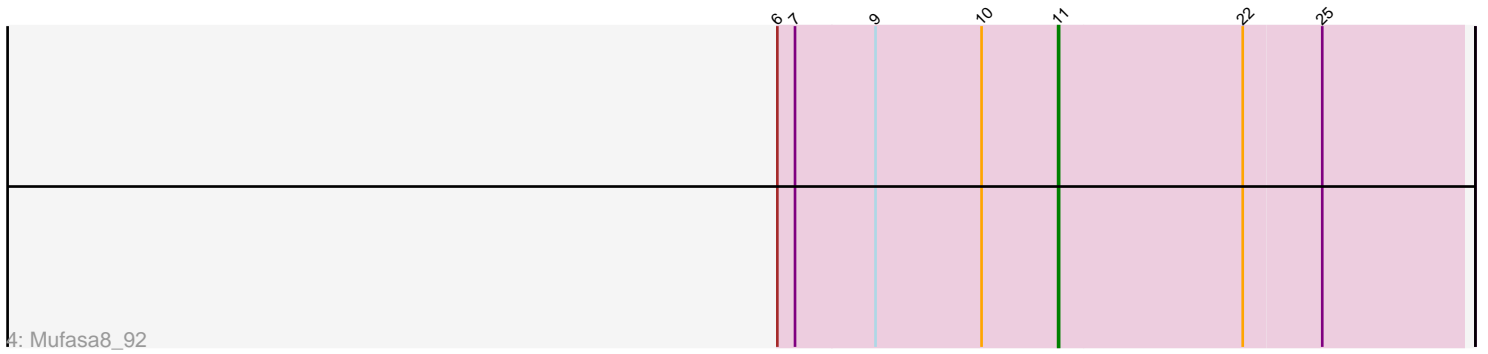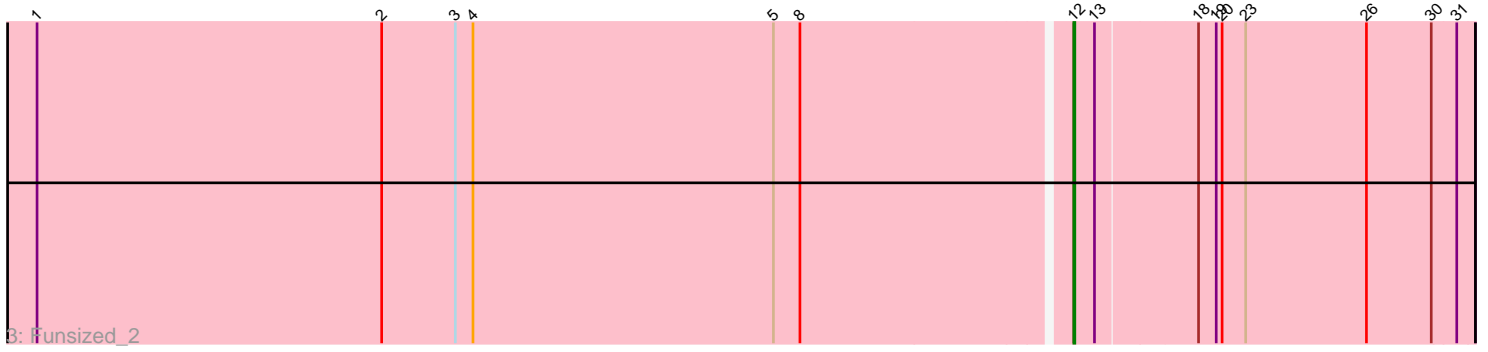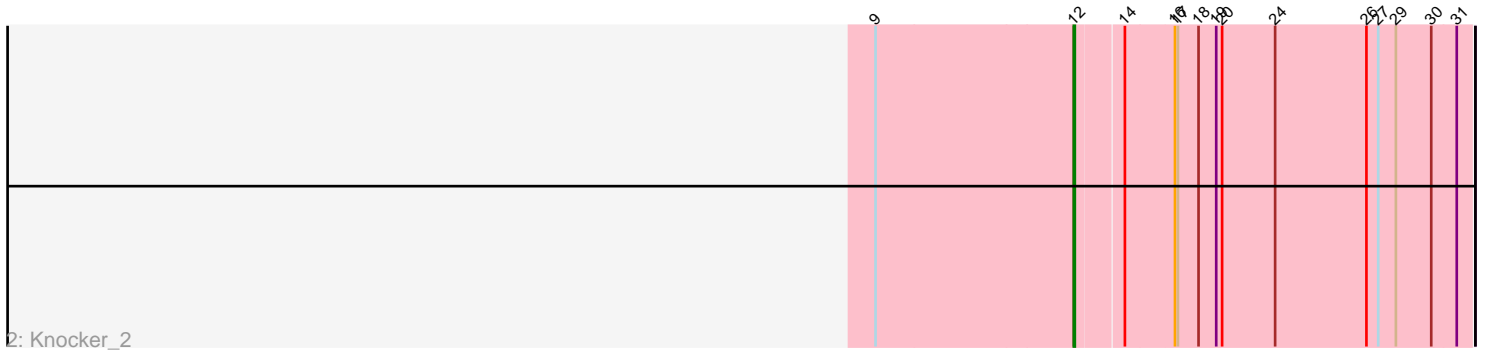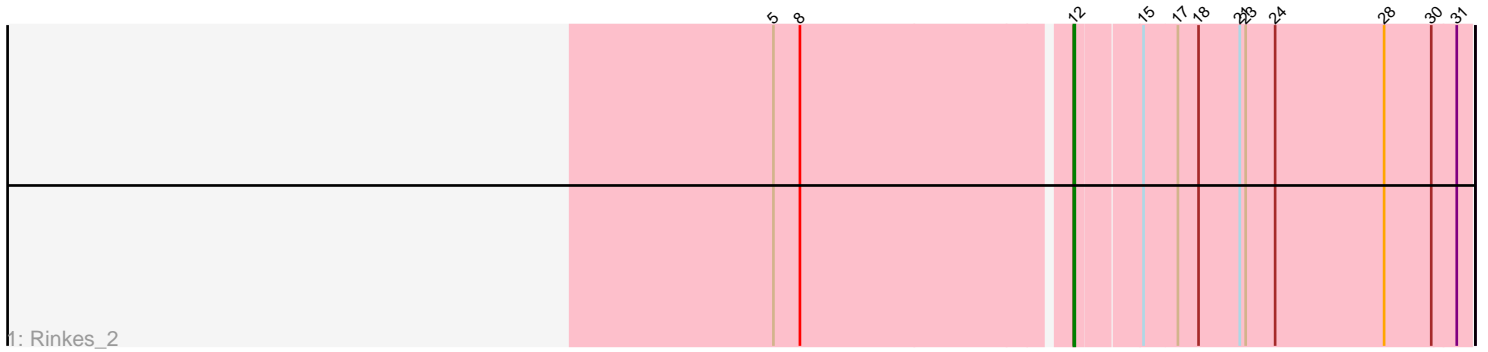# Pham 173701

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 173701 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173701 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Rinkes_2
• Track 2 : Knocker_2
• Track 3 : Funsized_2
• Track 4 : Mufasa8_92

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

The start number called the most often in the published annotations is 12, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Funsized_2, Knocker_2, Rinkes_2,

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

Genes that do not have the "Most Annotated" start:
• Mufasa8_92,

Summary by start number:

Start 11:
• Found in 1 of 4 (25.0%) 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: Mufasa8_92 (FG),

Start 12:
• Found in 3 of 4 (75.0%) 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: Funsized_2 (B9), Knocker_2 (B9), Rinkes_2 (B9),

Summary by clusters:

There are 2 clusters represented in this pham: B9, FG,

Info for manual annotations of cluster B9:
•Start number 12 was manually annotated 3 times for cluster B9.

Info for manual annotations of cluster FG:
•Start number 11 was manually annotated 1 time for cluster FG.

Gene Information:

Gene: Funsized_2 Start: 1296, Stop: 1694, Start Num: 12
Candidate Starts for Funsized_2:
(1, 255), (2, 606), (3, 681), (4, 699), (5, 1005), (8, 1032), (Start: 12 @1296 has 3 MA's), (13, 1317), (18, 1416), (19, 1434), (20, 1440), (23, 1464), (26, 1587), (30, 1653), (31, 1677),

Gene: Knocker_2 Start: 1310, Stop: 1702, Start Num: 12
Candidate Starts for Knocker_2:
(9, 1112), (Start: 12 @1310 has 3 MA's), (14, 1355), (16, 1403), (17, 1406), (18, 1427), (19, 1445), (20, 1451), (24, 1505), (26, 1598), (27, 1610), (29, 1628), (30, 1664), (31, 1688),

Gene: Mufasa8_92 Start: 53807, Stop: 54214, Start Num: 11
Candidate Starts for Mufasa8_92:
(6, 53522), (7, 53540), (9, 53621), (10, 53729), (Start: 11 @53807 has 1 MA's), (22, 53993), (25, 54071),

Gene: Rinkes_2 Start: 1299, Stop: 1691, Start Num: 12
Candidate Starts for Rinkes_2:
(5, 1008), (8, 1035), (Start: 12 @1299 has 3 MA's), (15, 1362), (17, 1395), (18, 1416), (21, 1458), (23, 1464), (24, 1494), (28, 1605), (30, 1653), (31, 1677),