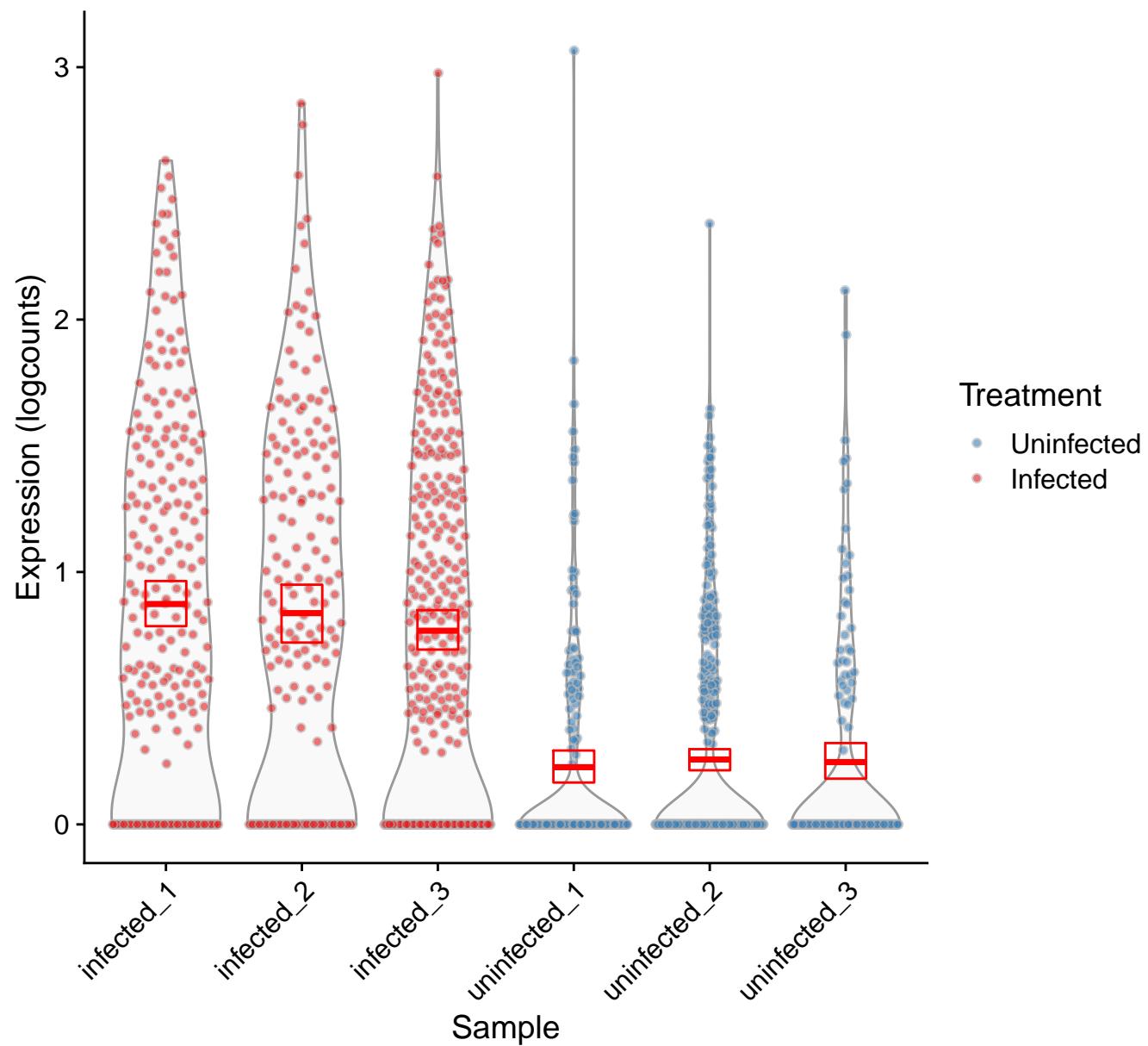


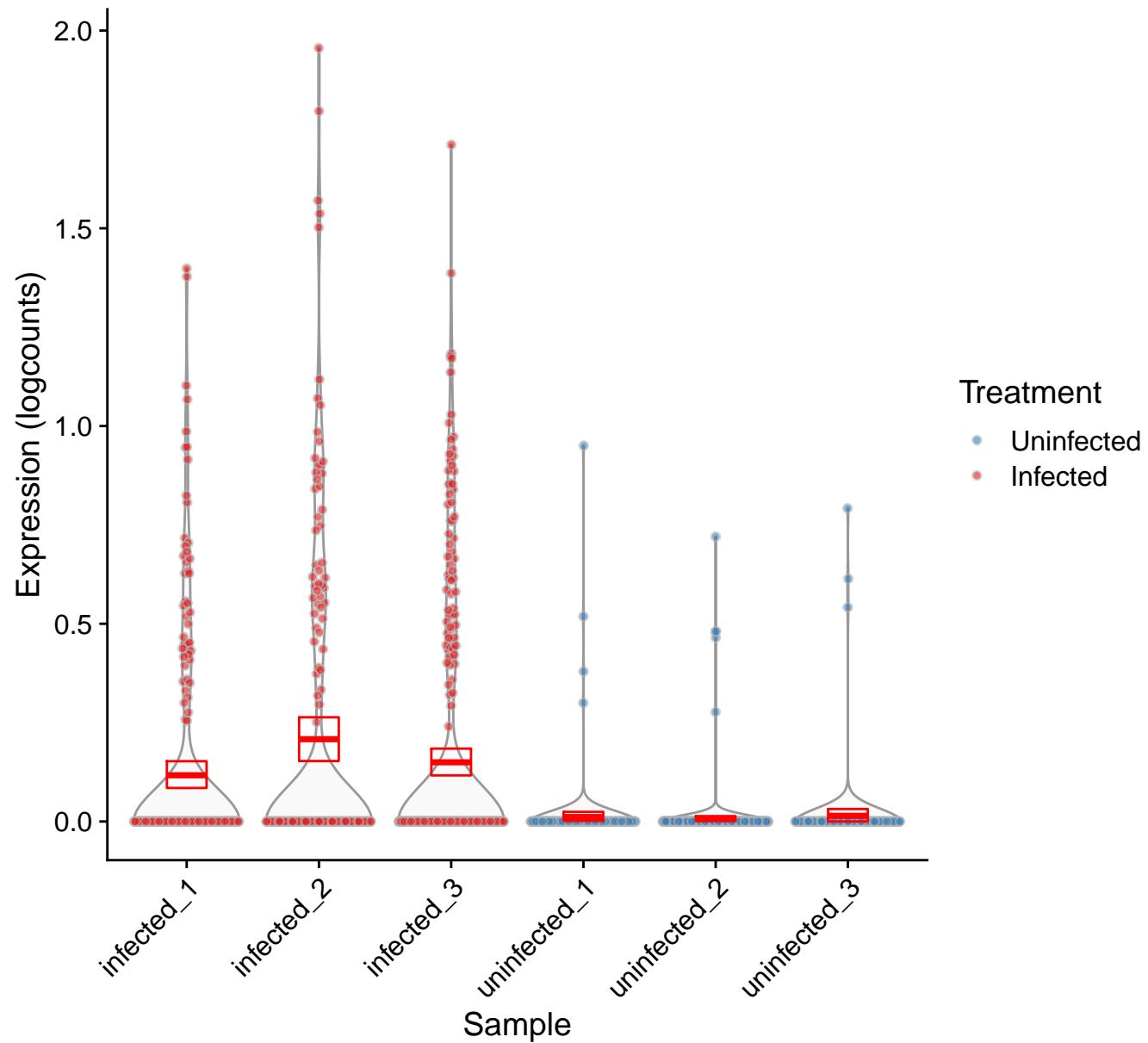
# GLUL (FDR = 2e-06)

cluster\_11



# APBA2 (FDR = 4e-05)

cluster\_11



# XBP1 (FDR = 1e-04)

cluster\_11

Expression (logcounts)

3

2

1

0

infected\_1

infected\_2

infected\_3

uninfected\_1

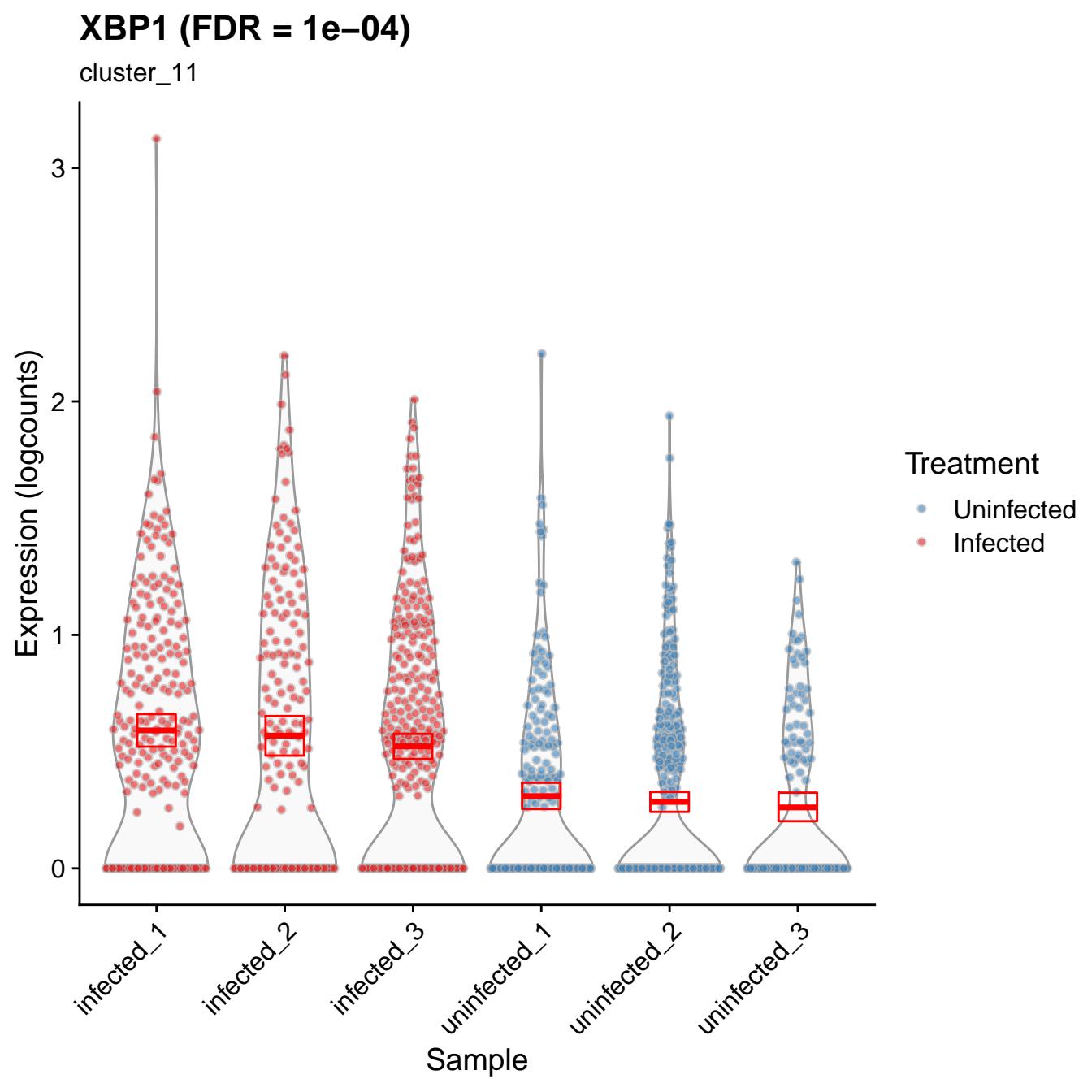
uninfected\_2

uninfected\_3

Sample

Treatment

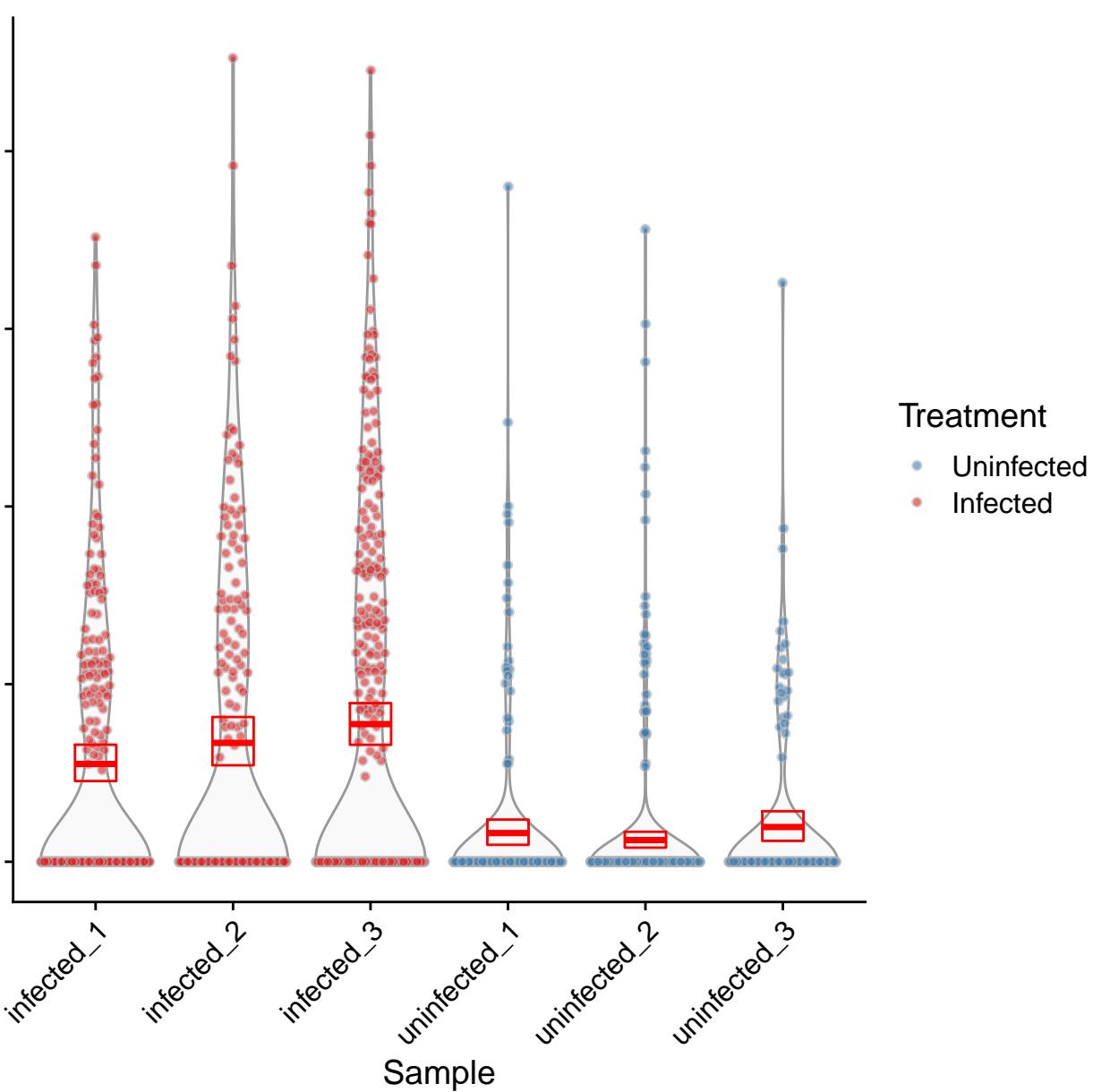
- Uninfected
- Infected



# KIAA1324 (FDR = 1e-04)

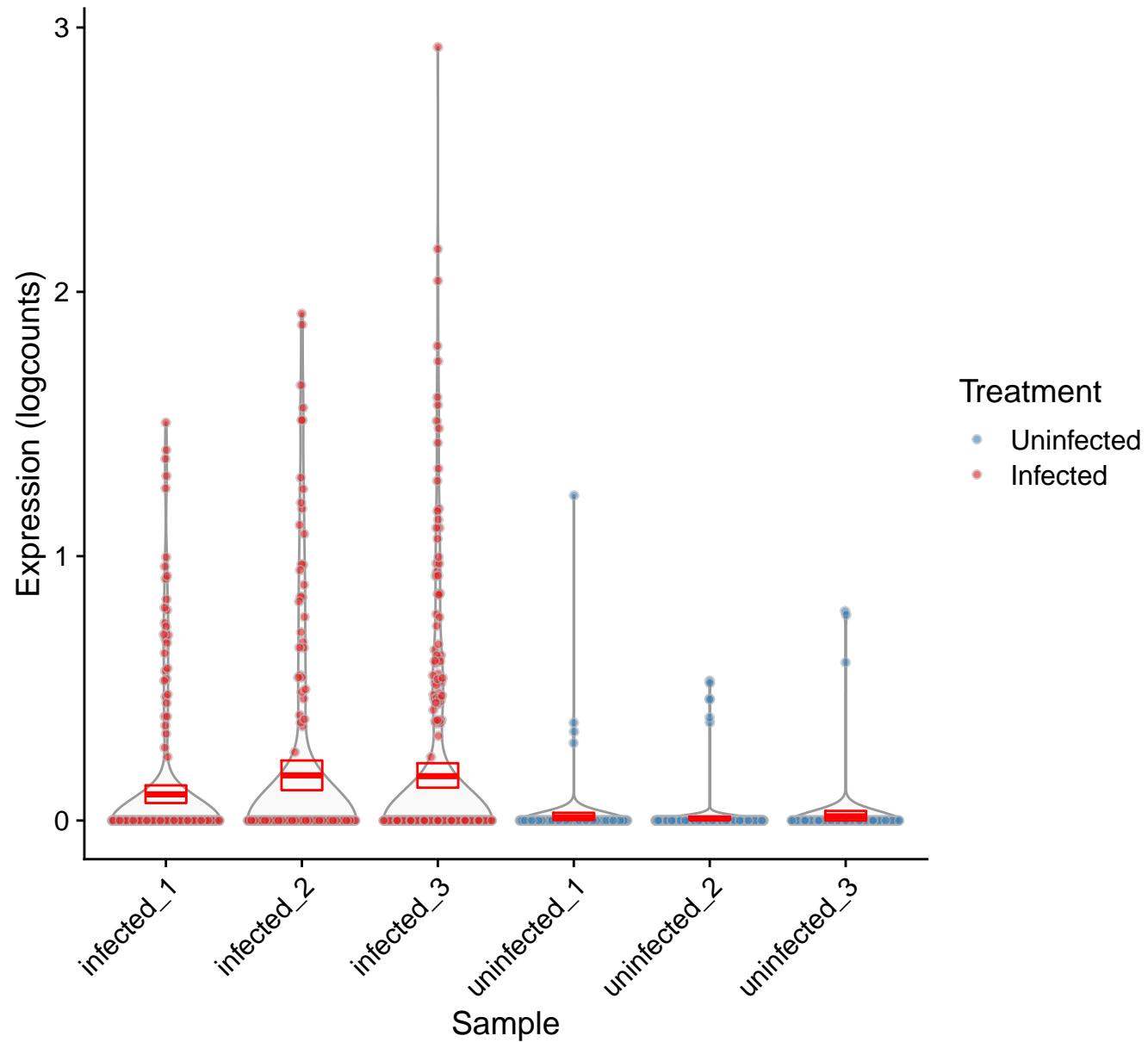
cluster\_11

Expression (logcounts)



# COCH (FDR = 1e-04)

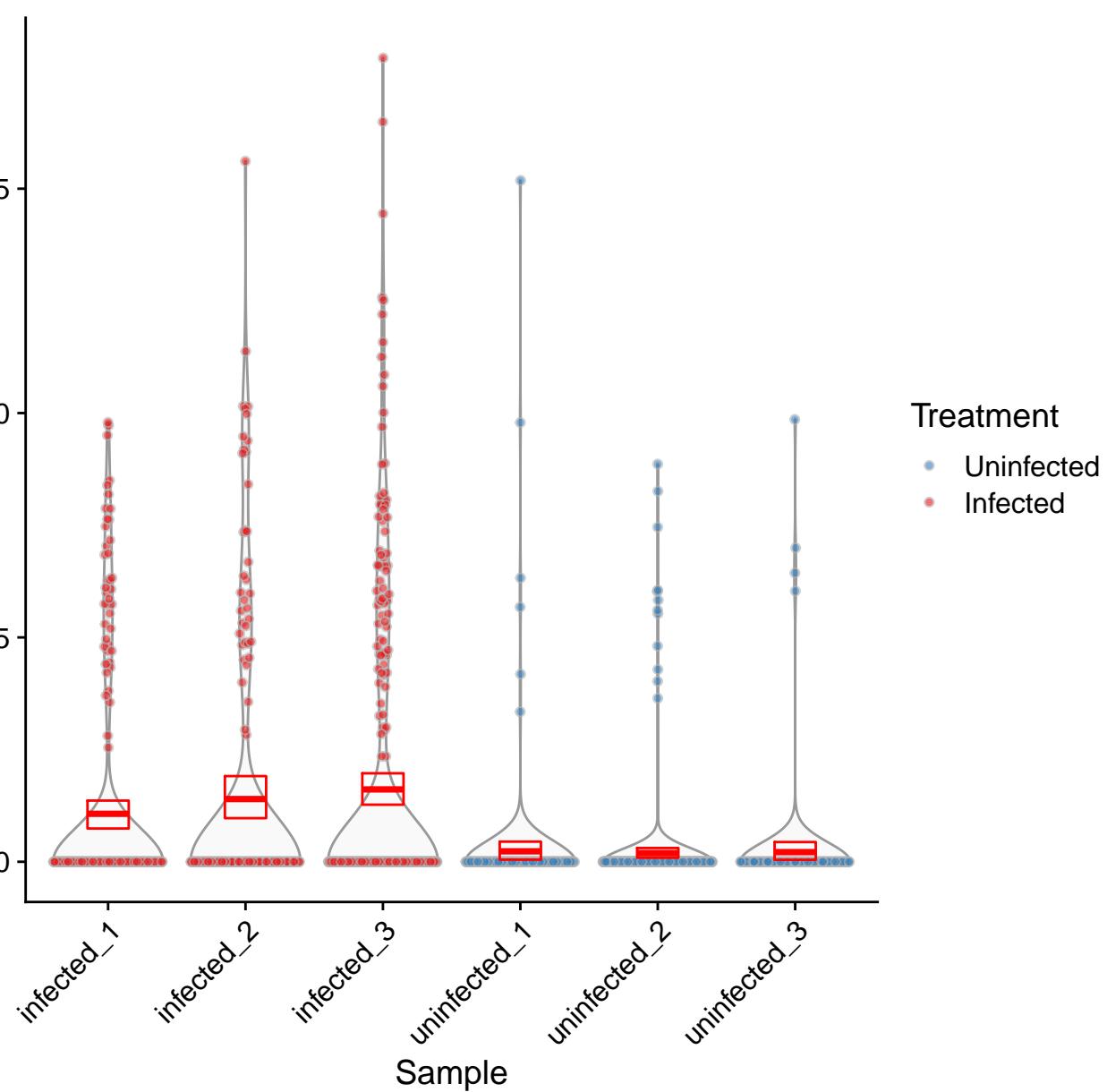
cluster\_11



# GLB1L2 (FDR = 1e-04)

cluster\_11

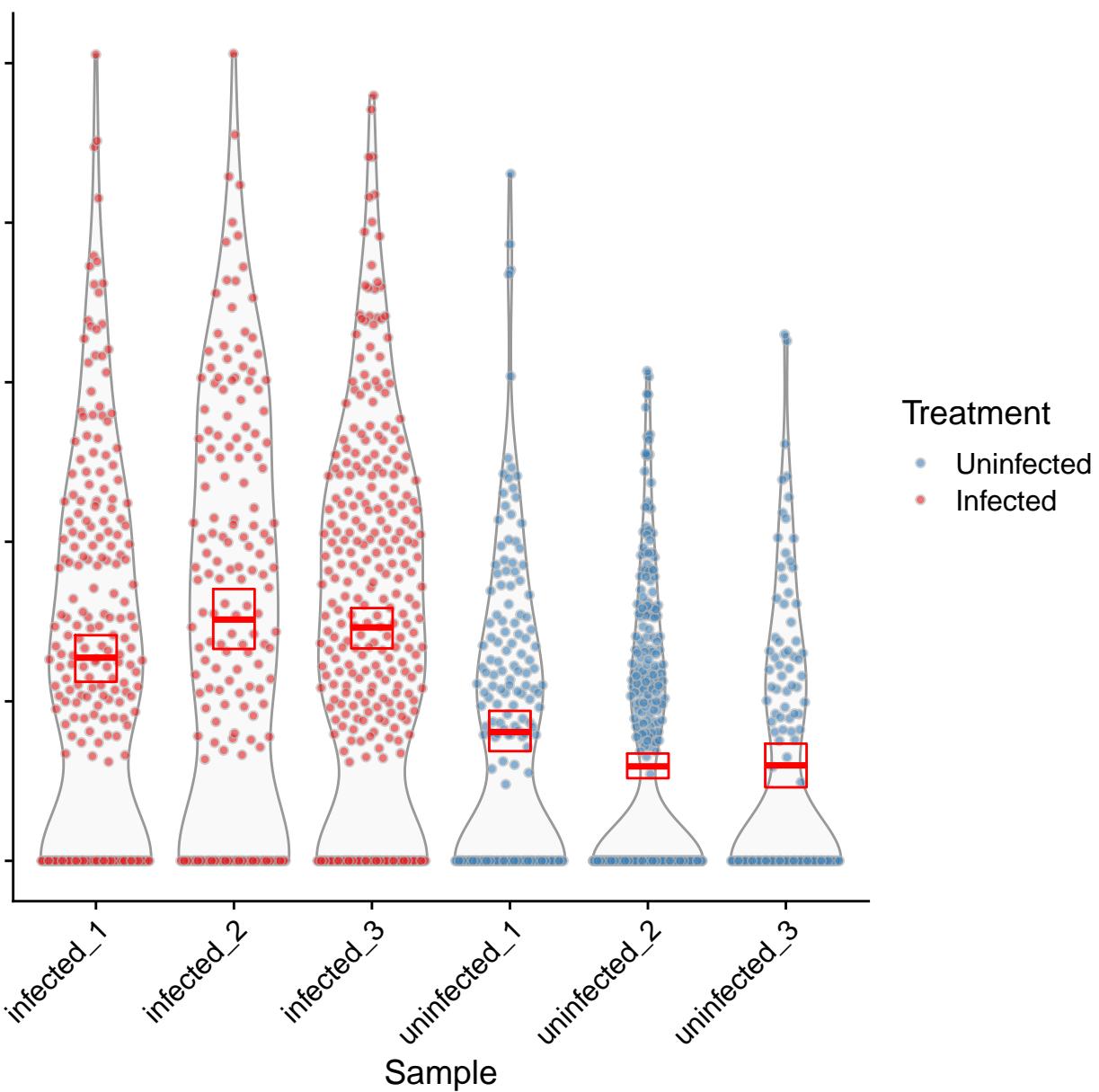
Expression (logcounts)



# **SLC25A46 (FDR = 1e-04)**

cluster\_11

Expression (logcounts)



# FSCN1 (FDR = 2e-04)

cluster\_11

Expression (logcounts)

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

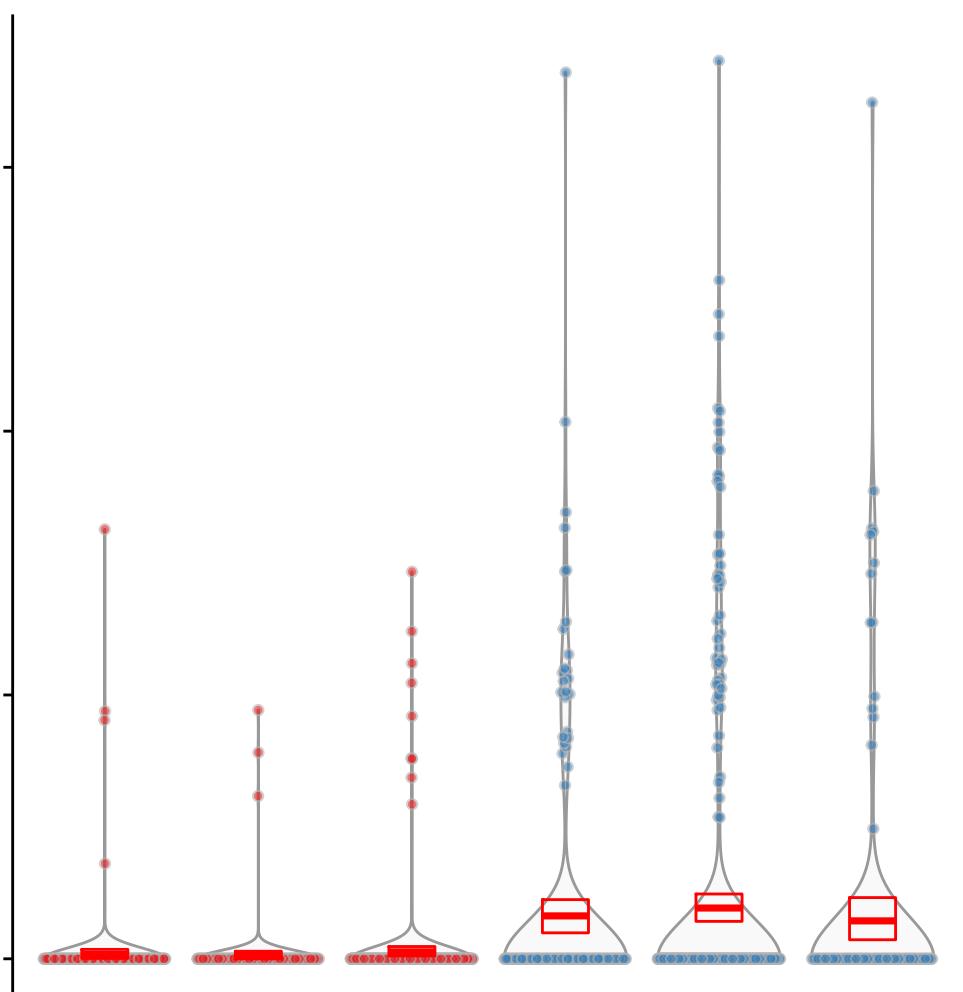
infected\_3

Sample

uninfected\_1

uninfected\_2

uninfected\_3



# RASGRP4 (FDR = 2e-04)

cluster\_11

Expression (logcounts)

1.5

1.0

0.5

0.0

Treatment

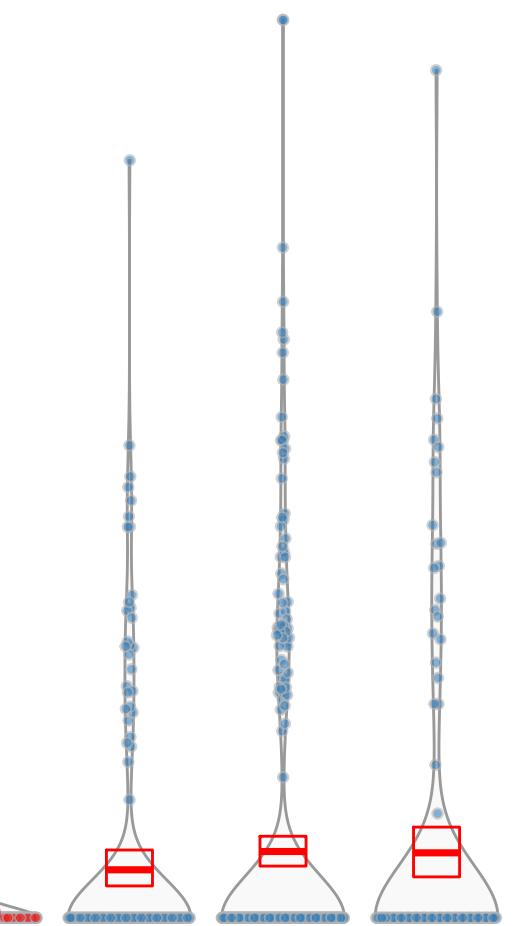
- Uninfected
- Infected

infected\_1

infected\_2

infected\_3

Sample



# CHST7 (FDR = 2e-04)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

infected\_3

Sample

2.5

1.8

1.4

1.0

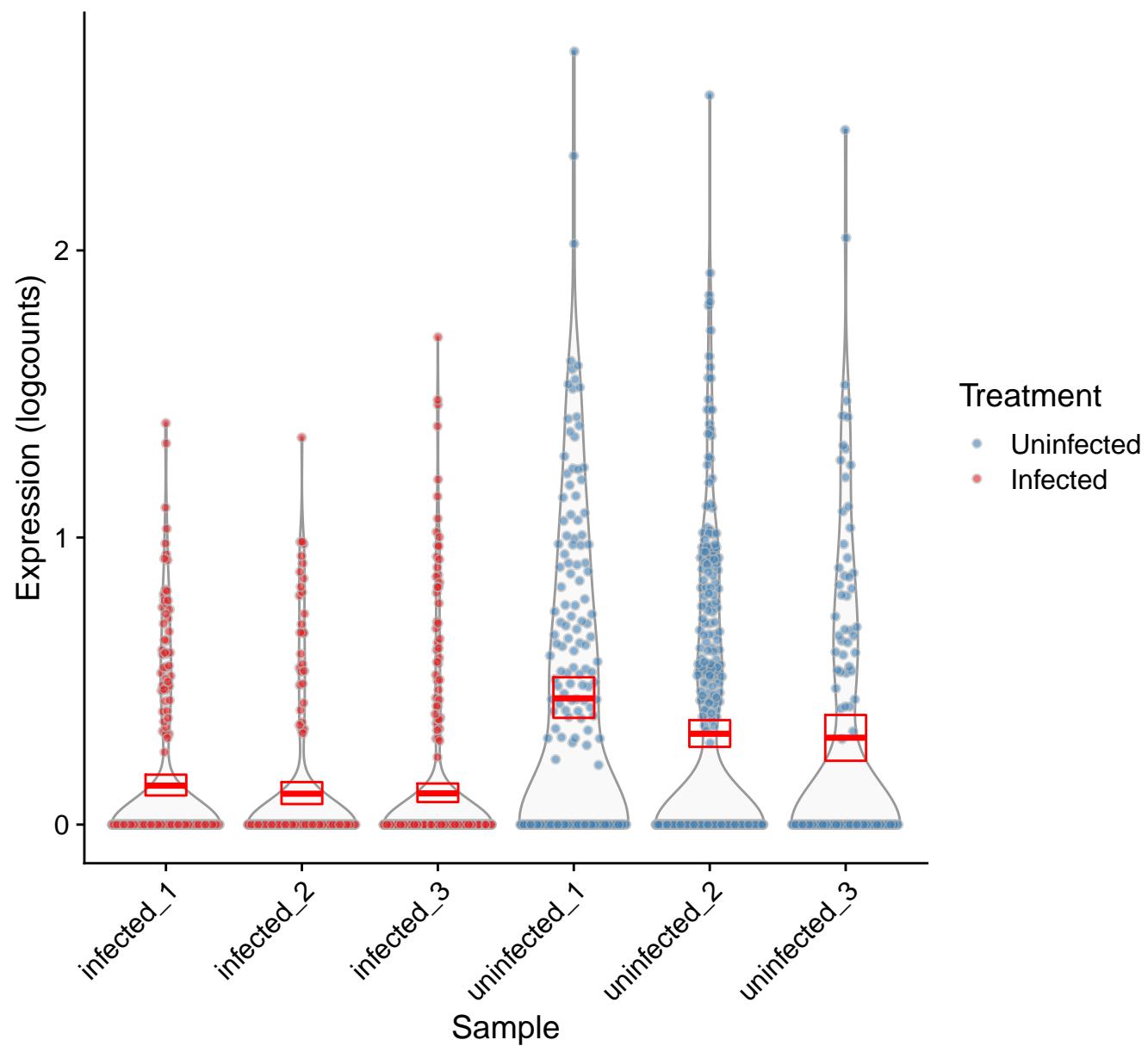
0.6

0.2

0.0

# MAF (FDR = 2e-04)

cluster\_11



# ACSL6 (FDR = 2e-04)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

infected\_3

Sample

2.0  
1.5

1.5  
1.0

1.0  
0.5

0.5  
0.0

0.0  
0.0

0.0  
0.0

0.0  
0.0

0.0  
0.0

0.0  
0.0

0.0  
0.0

0.0  
0.0

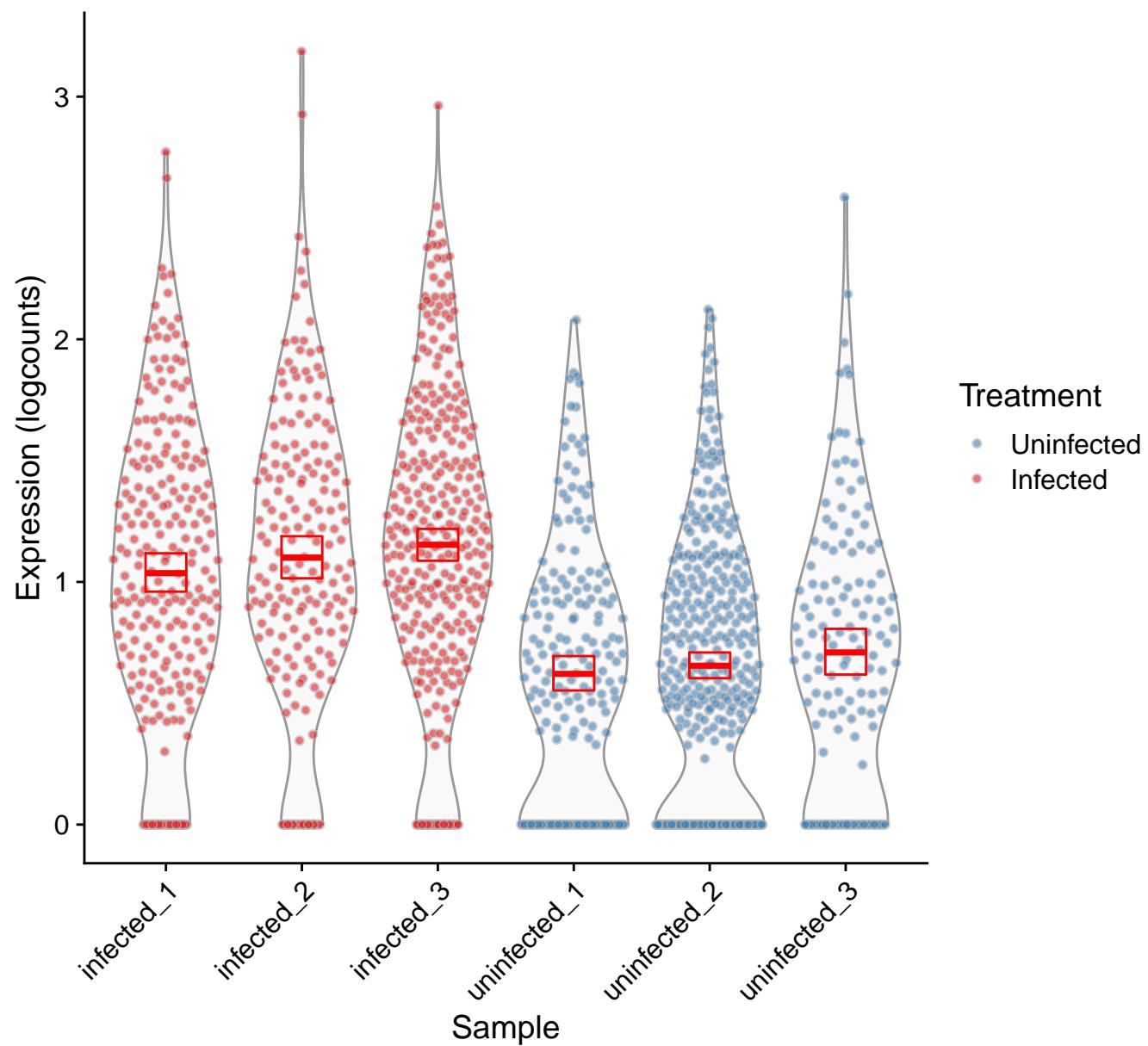
0.0  
0.0

0.0  
0.0

0.0  
0.0

# NSMCE1 (FDR = 2e-04)

cluster\_11



# SMCO4 (FDR = 2e-04)

cluster\_11

Expression (logcounts)

3

2

1

0

infected\_1

infected\_2

infected\_3

uninfected\_1

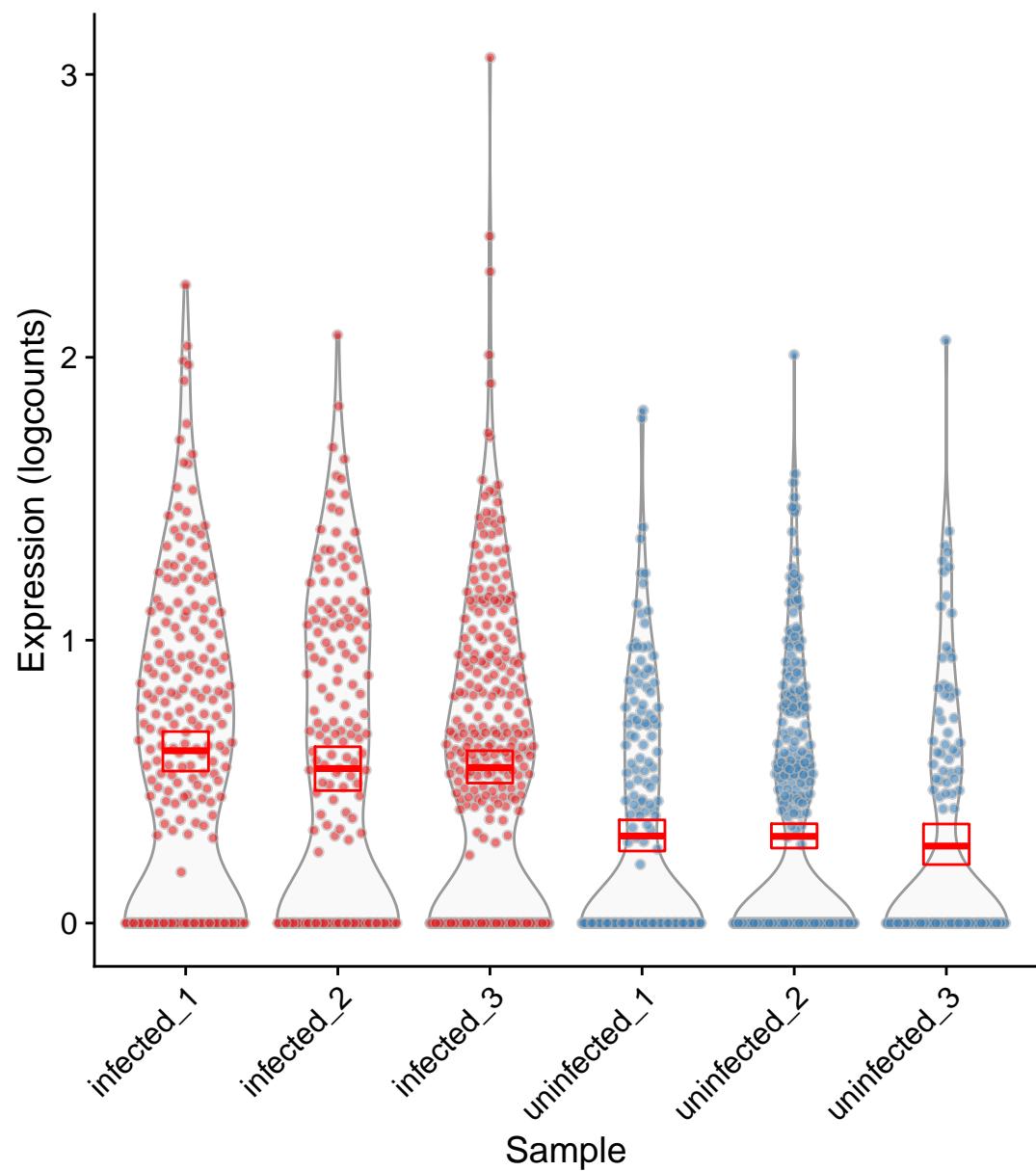
uninfected\_2

uninfected\_3

Sample

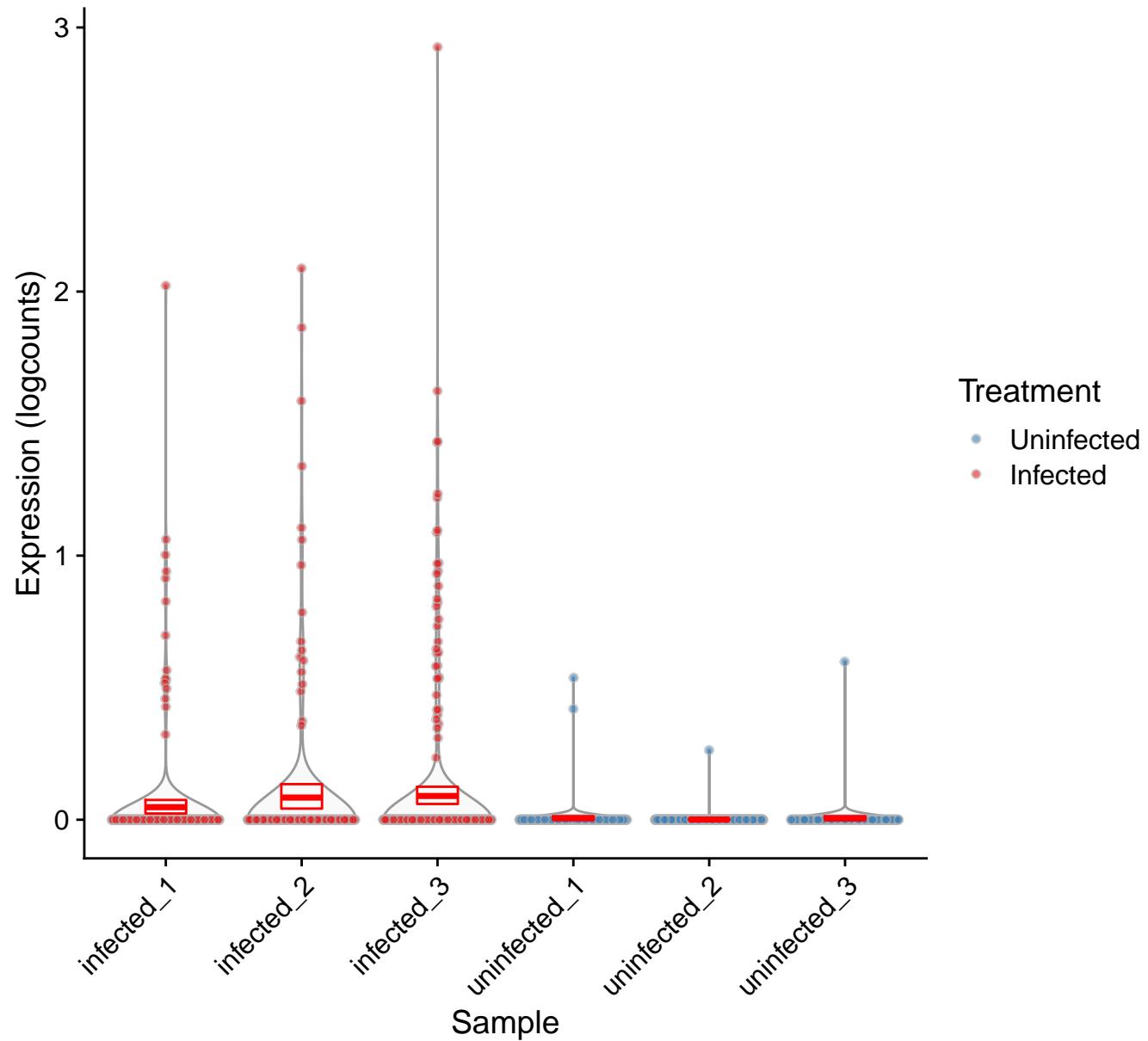
Treatment

- Uninfected
- Infected



# MOXD1 (FDR = 2e-04)

cluster\_11



# BATF3 (FDR = 3e-04)

cluster\_11

Expression (logcounts)

2.5  
2.0  
1.5  
1.0  
0.5  
0.0

Treatment

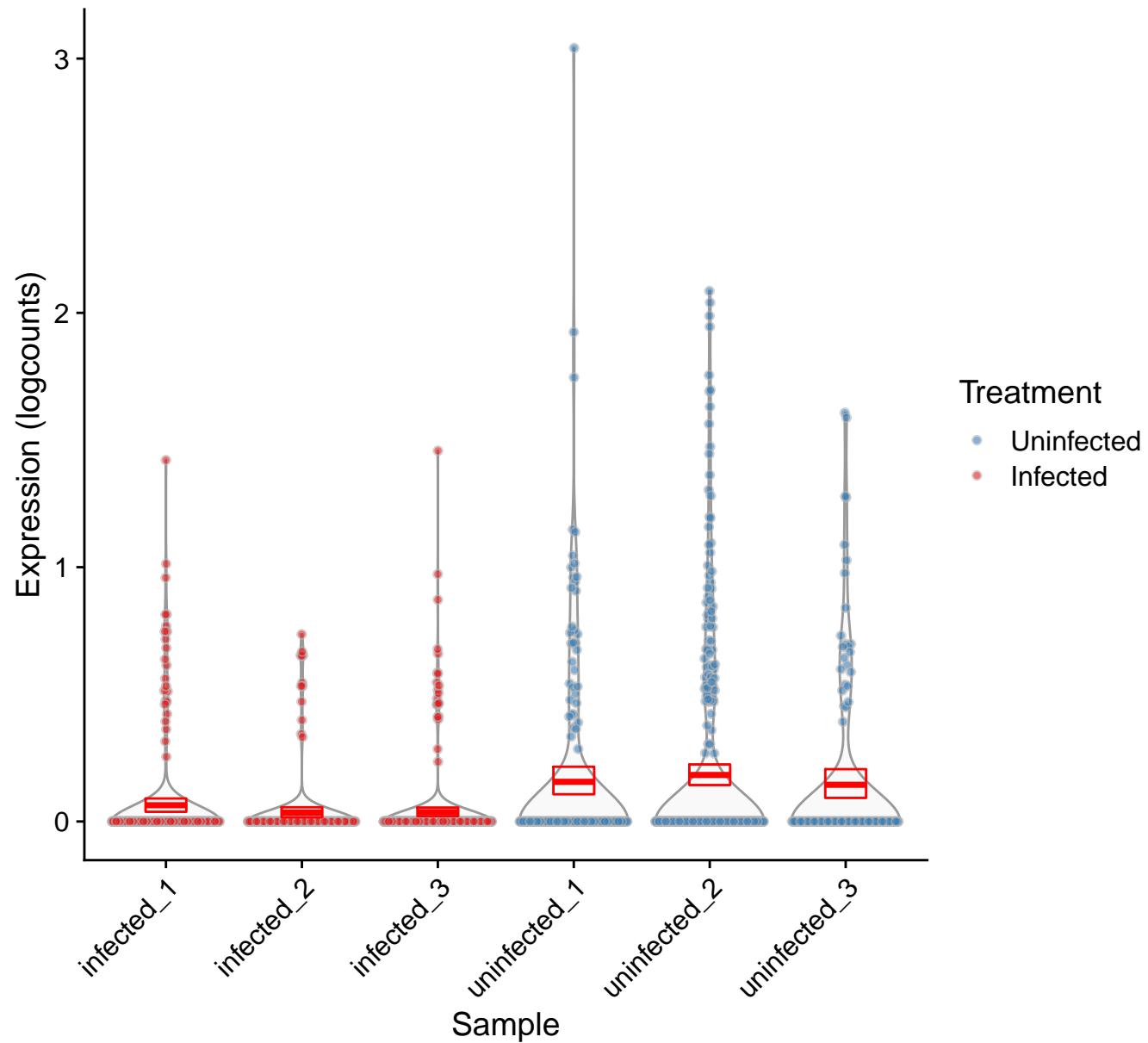
- Uninfected
- Infected

infected\_1 infected\_2 infected\_3 uninfected\_1 uninfected\_2 uninfected\_3

Sample

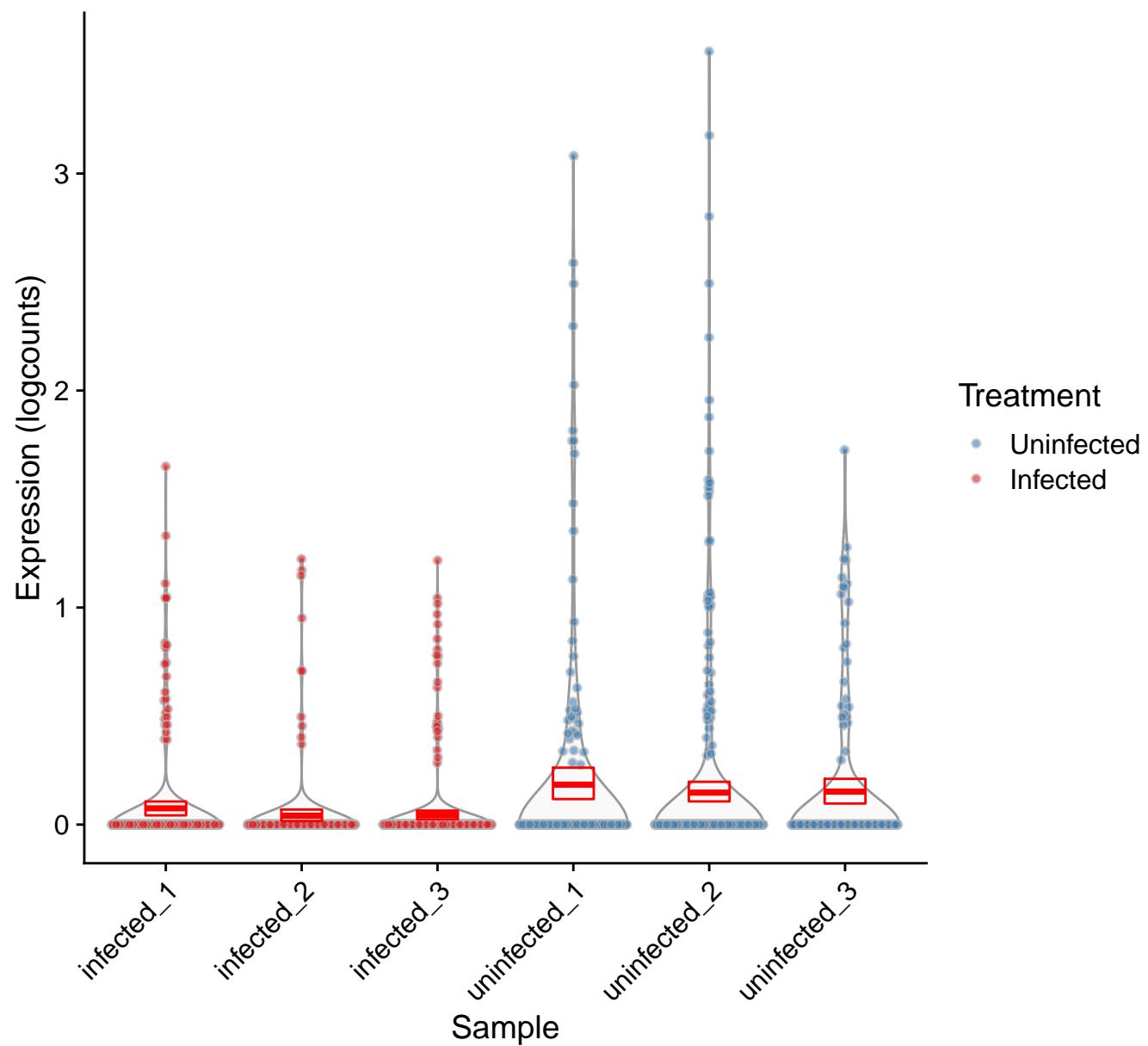
# CISH (FDR = 3e-04)

cluster\_11



# PLAC8 (FDR = 3e-04)

cluster\_11



# CCDC88A (FDR = 3e-04)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

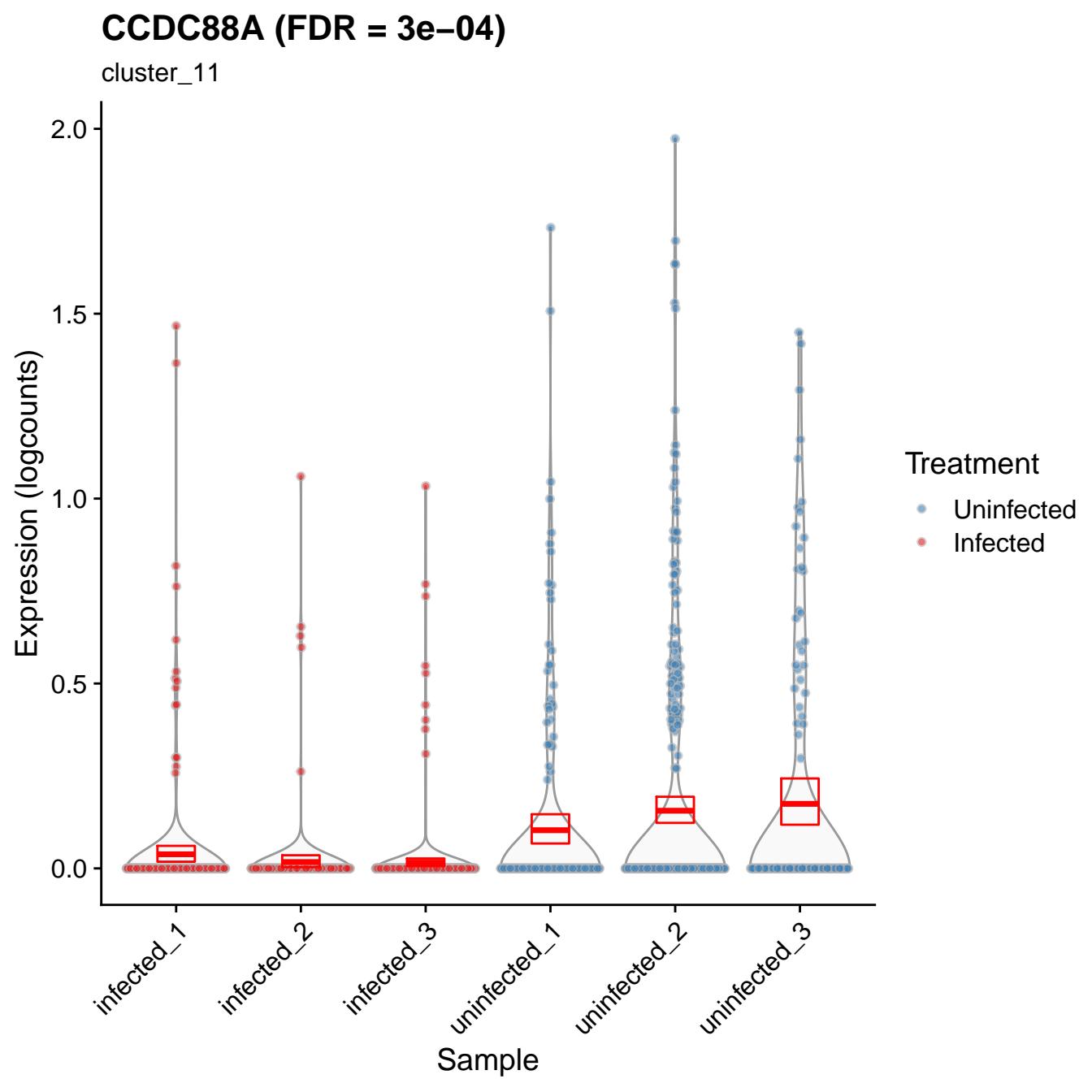
infected\_3

uninfected\_1

uninfected\_2

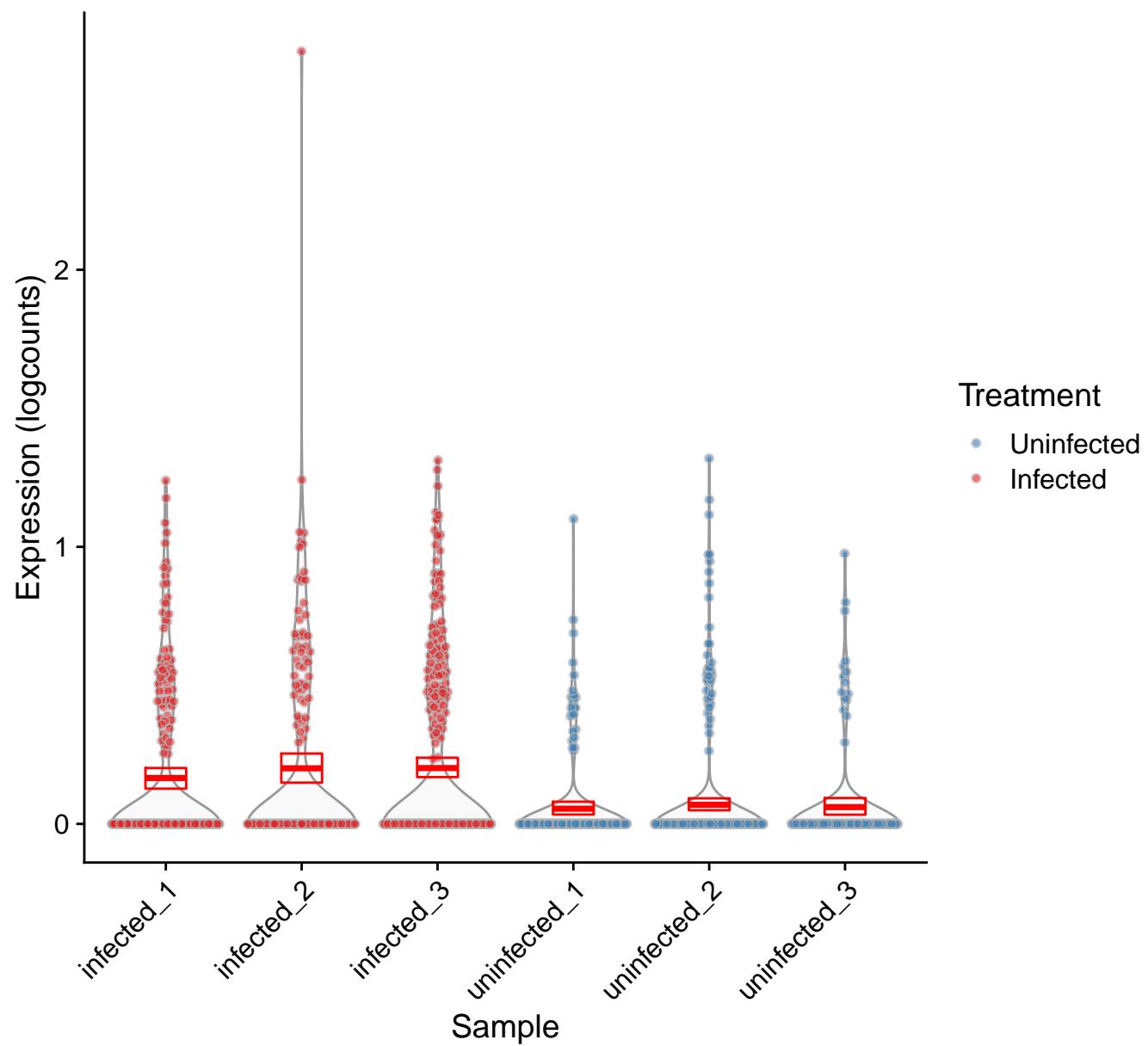
uninfected\_3

Sample



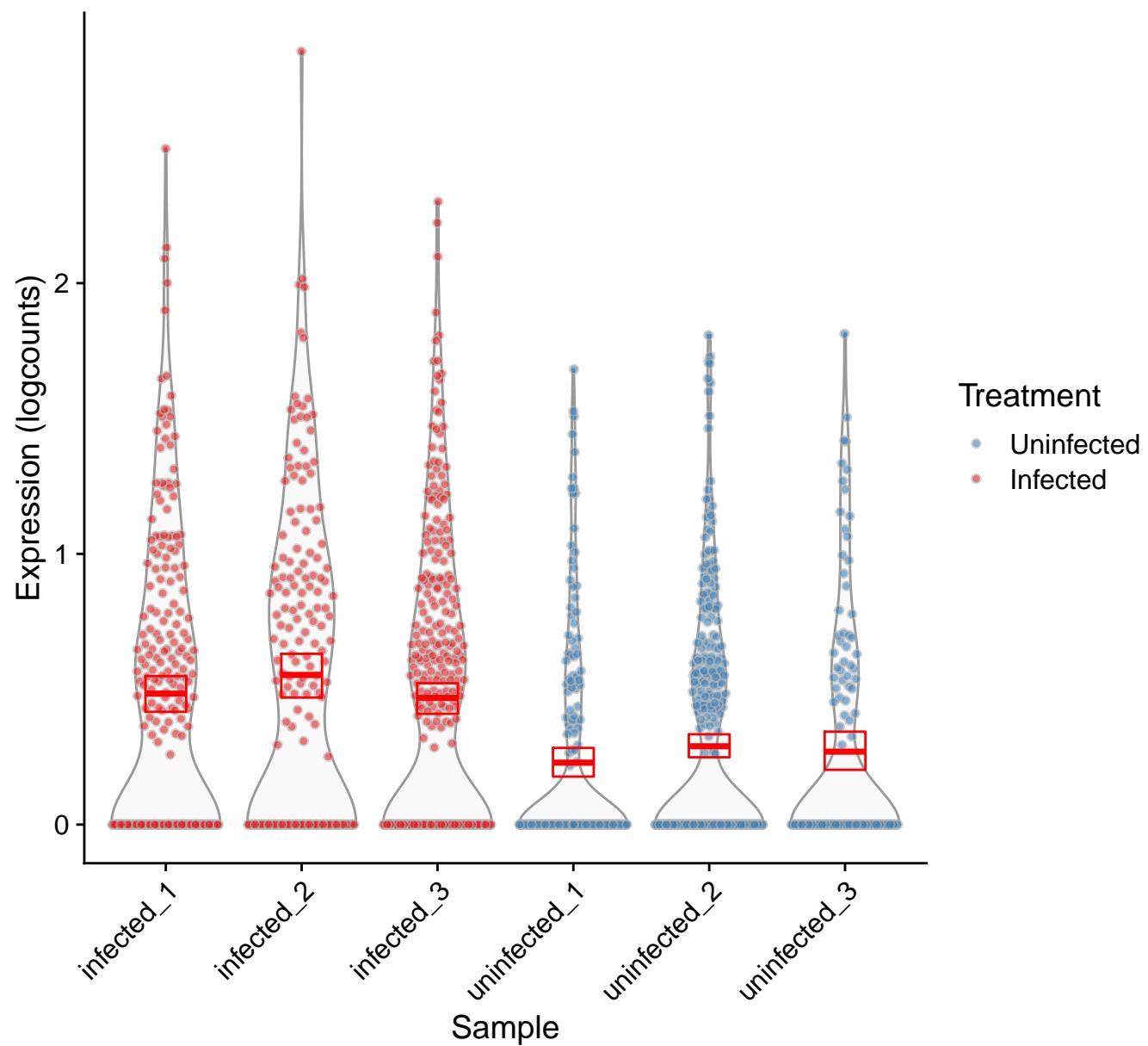
# ADAP1 (FDR = 3e-04)

cluster\_11



# CITED2 (FDR = 3e-04)

cluster\_11



# STN1 (FDR = 4e-04)

cluster\_11

Expression (logcounts)

2.0

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

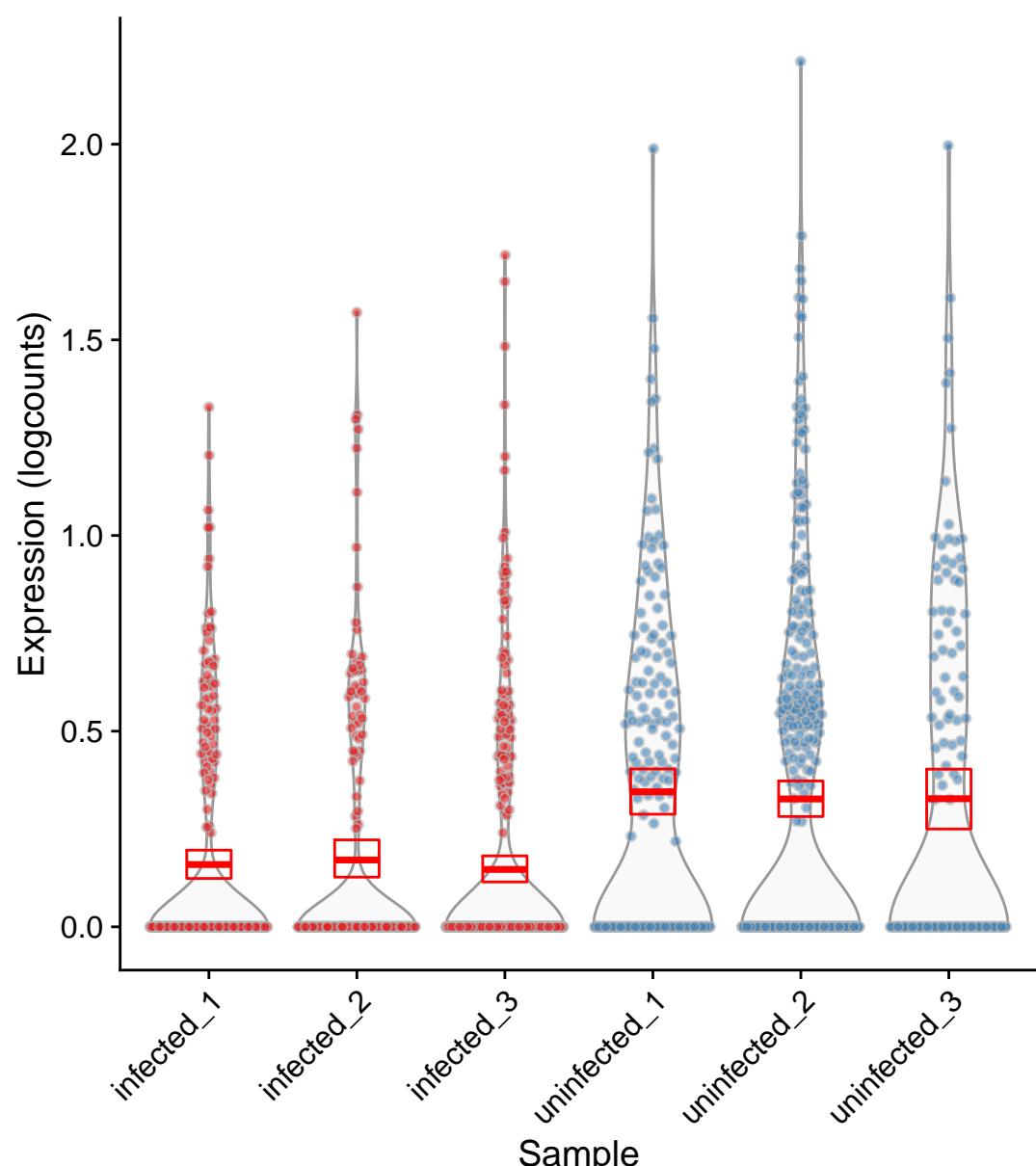
infected\_3

Sample

uninfected\_1

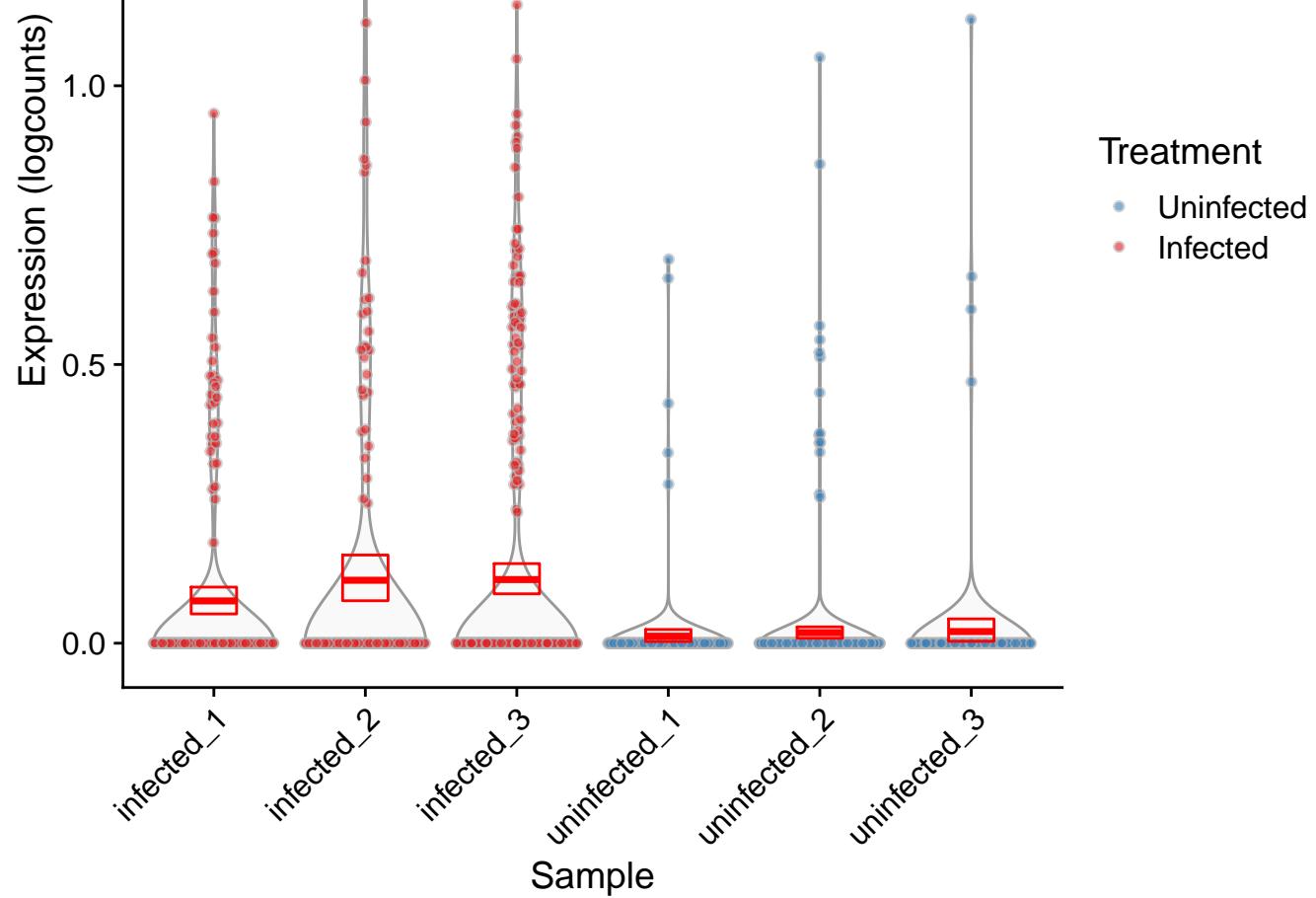
uninfected\_2

uninfected\_3



CHN2 (FDR = 5e-04)

## cluster\_11



# IFI6 (FDR = 5e-04)

cluster\_11

Expression (logcounts)

3

2

1

0

infected\_1

infected\_2

infected\_3

uninfected\_1

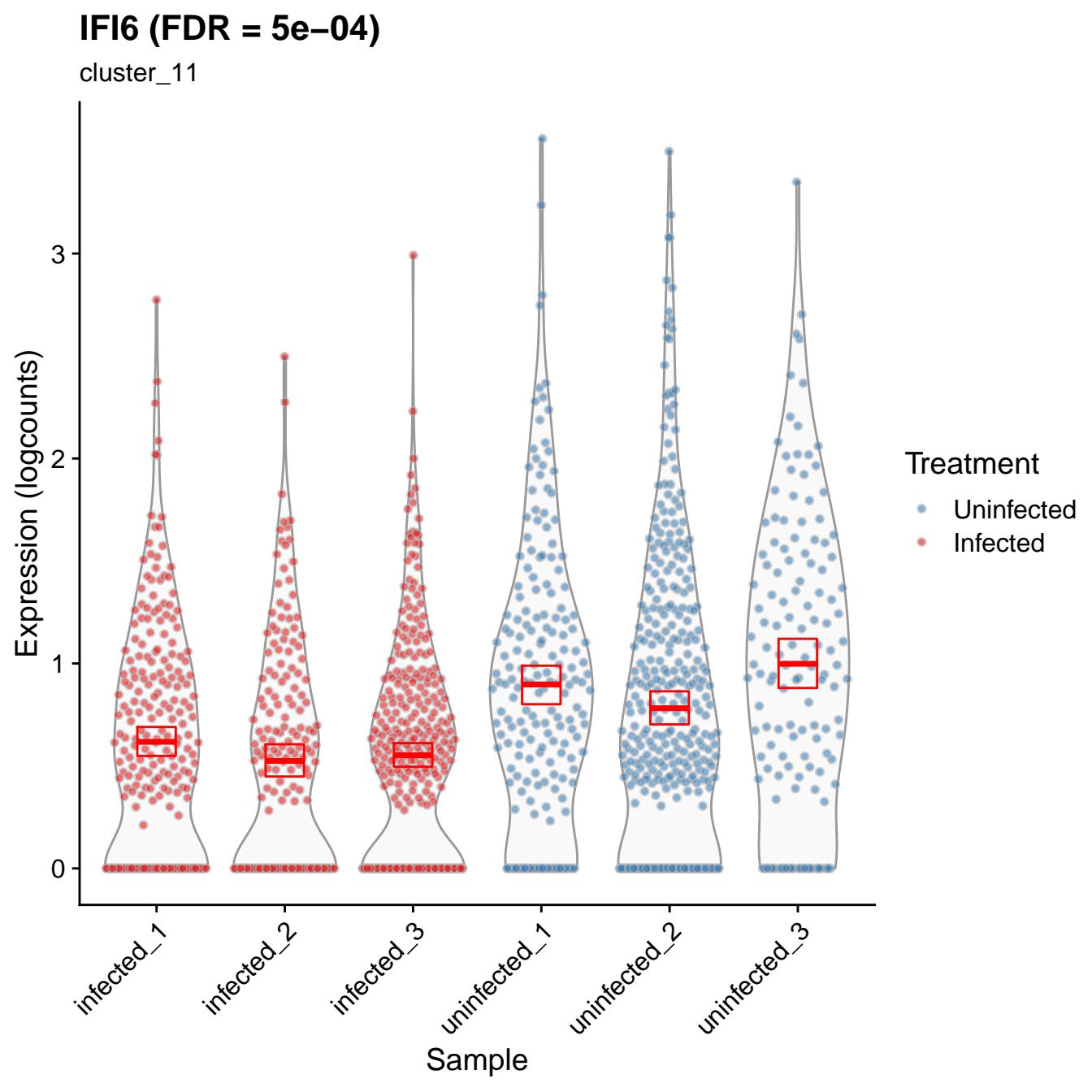
uninfected\_2

uninfected\_3

Sample

Treatment

- Uninfected
- Infected



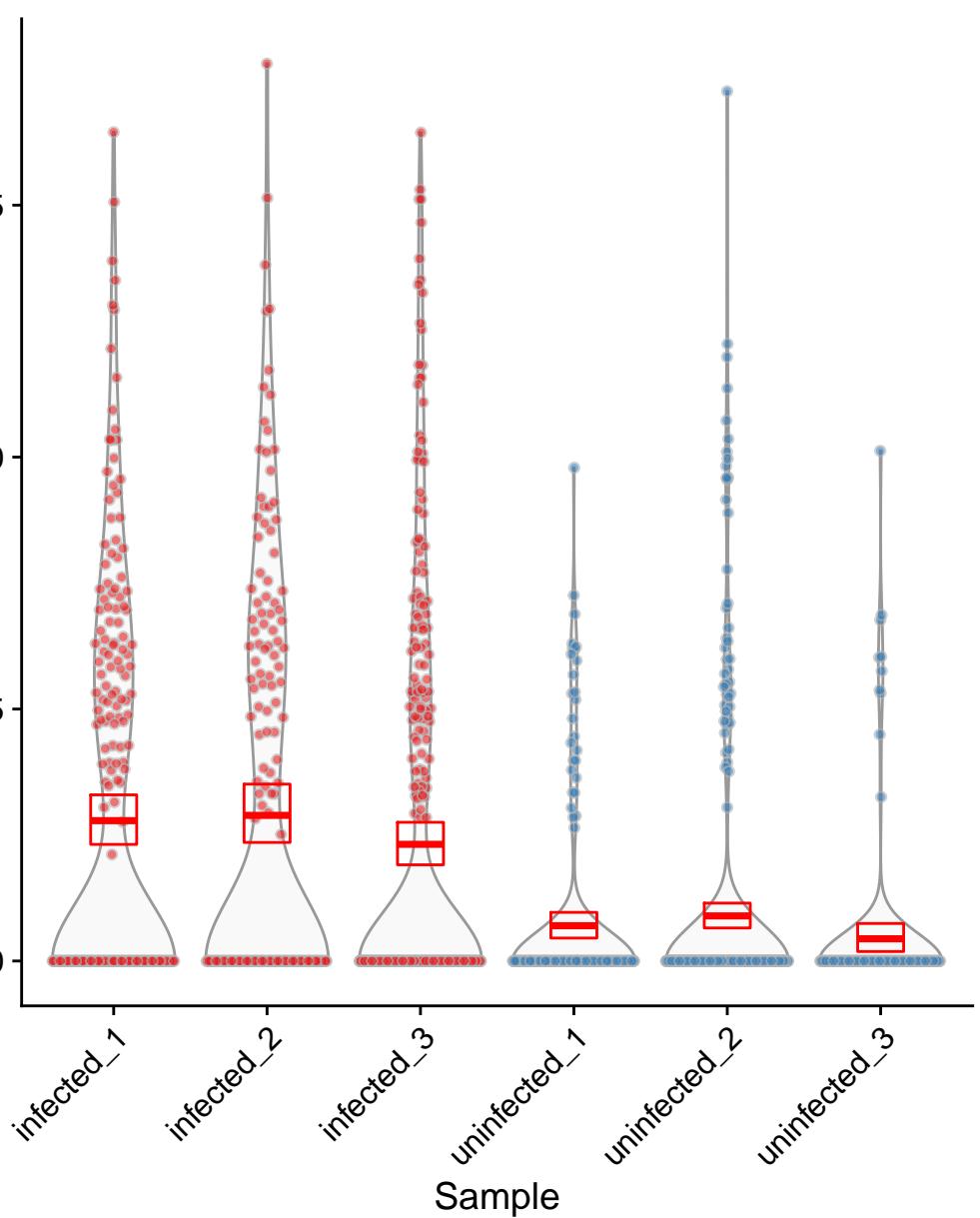
# PTPRN2 (FDR = 5e-04)

cluster\_11

Expression (logcounts)

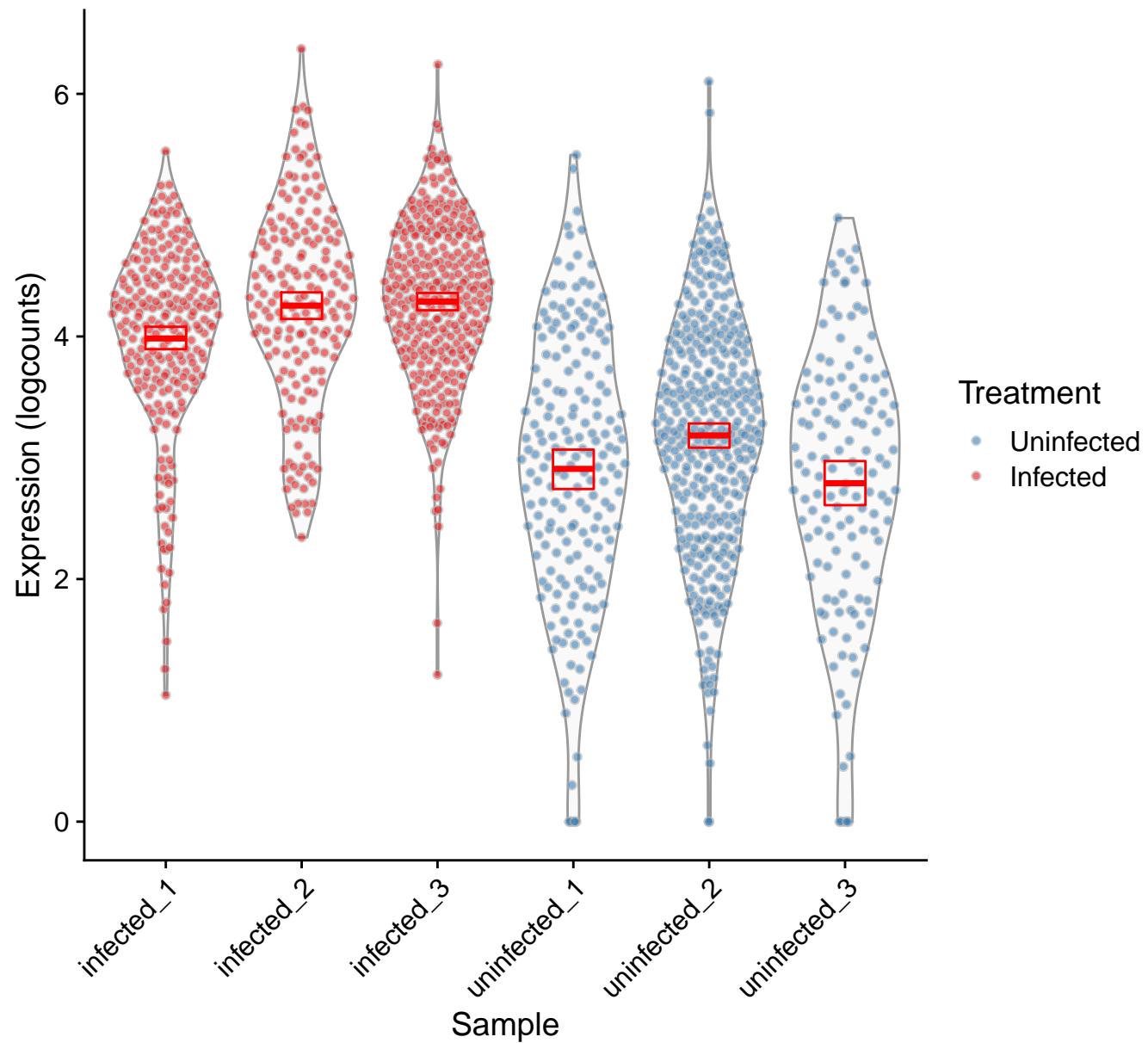
Treatment

- Uninfected
- Infected



# CD74 (FDR = 7e-04)

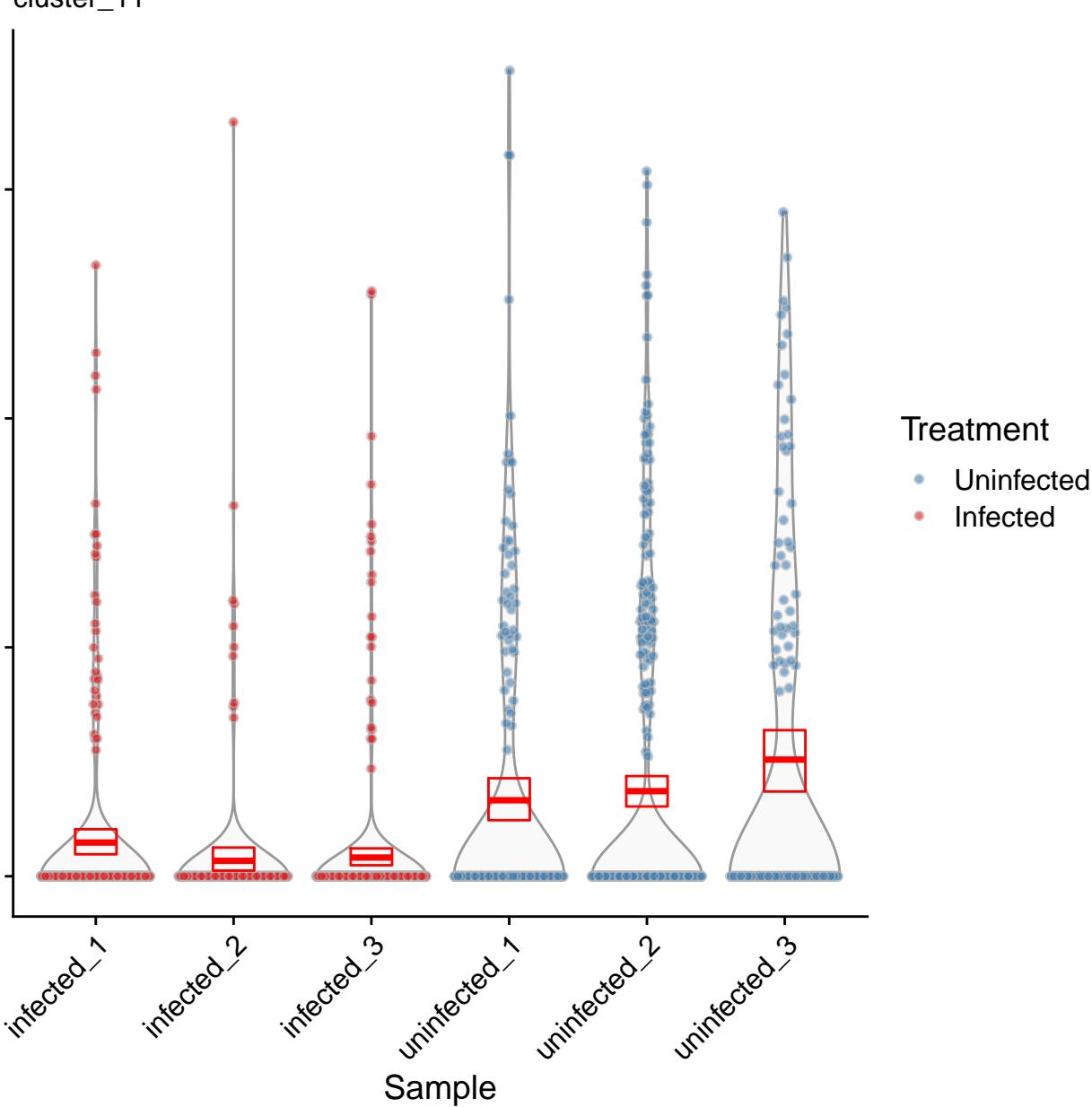
cluster\_11



# TRABD2A (FDR = 7e-04)

cluster\_11

Expression (logcounts)



# HDGFL3 (FDR = 7e-04)

cluster\_11

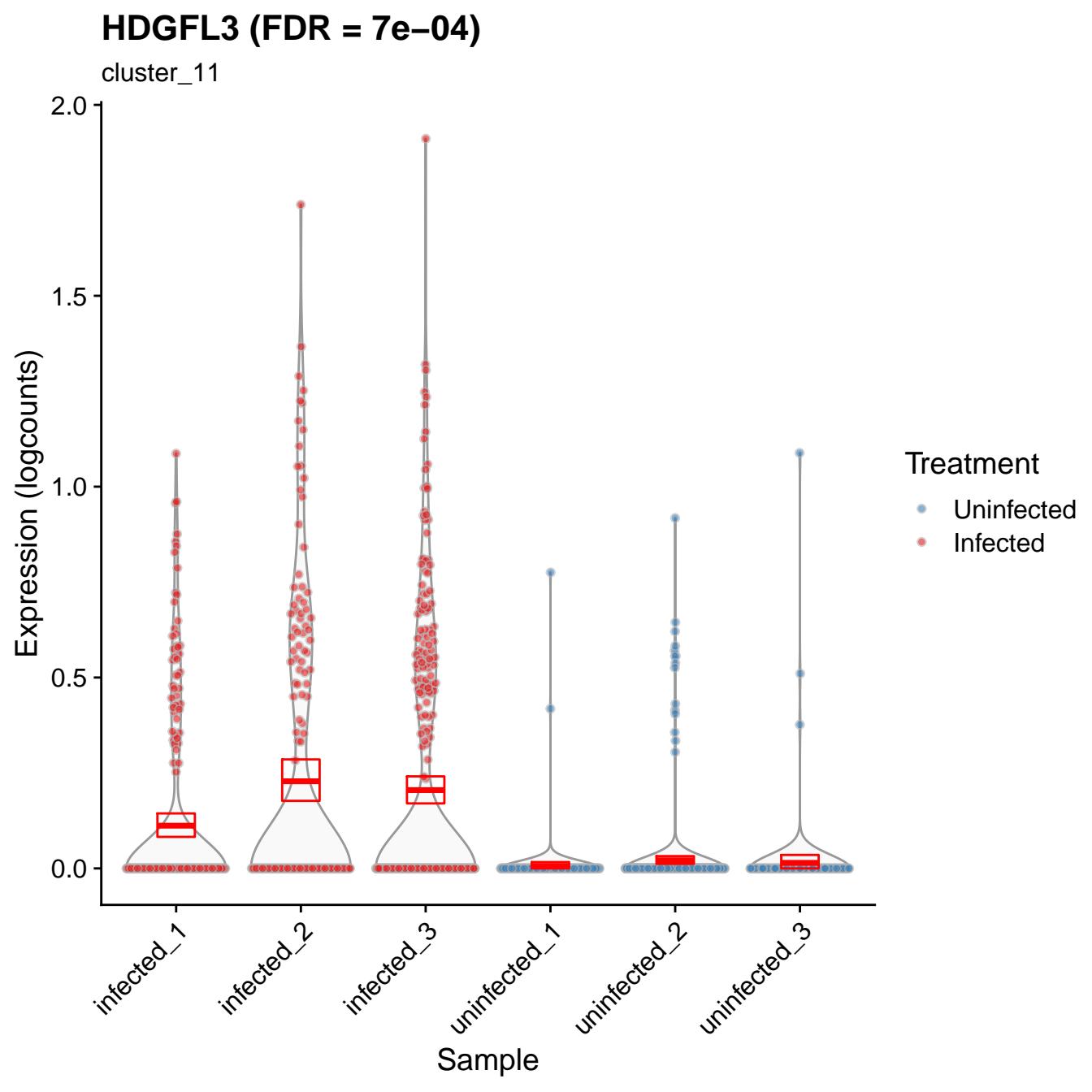
Expression (logcounts)

2.0  
1.5  
1.0  
0.5  
0.0

infected\_1 infected\_2 infected\_3 uninfected\_1 uninfected\_2 uninfected\_3

Sample

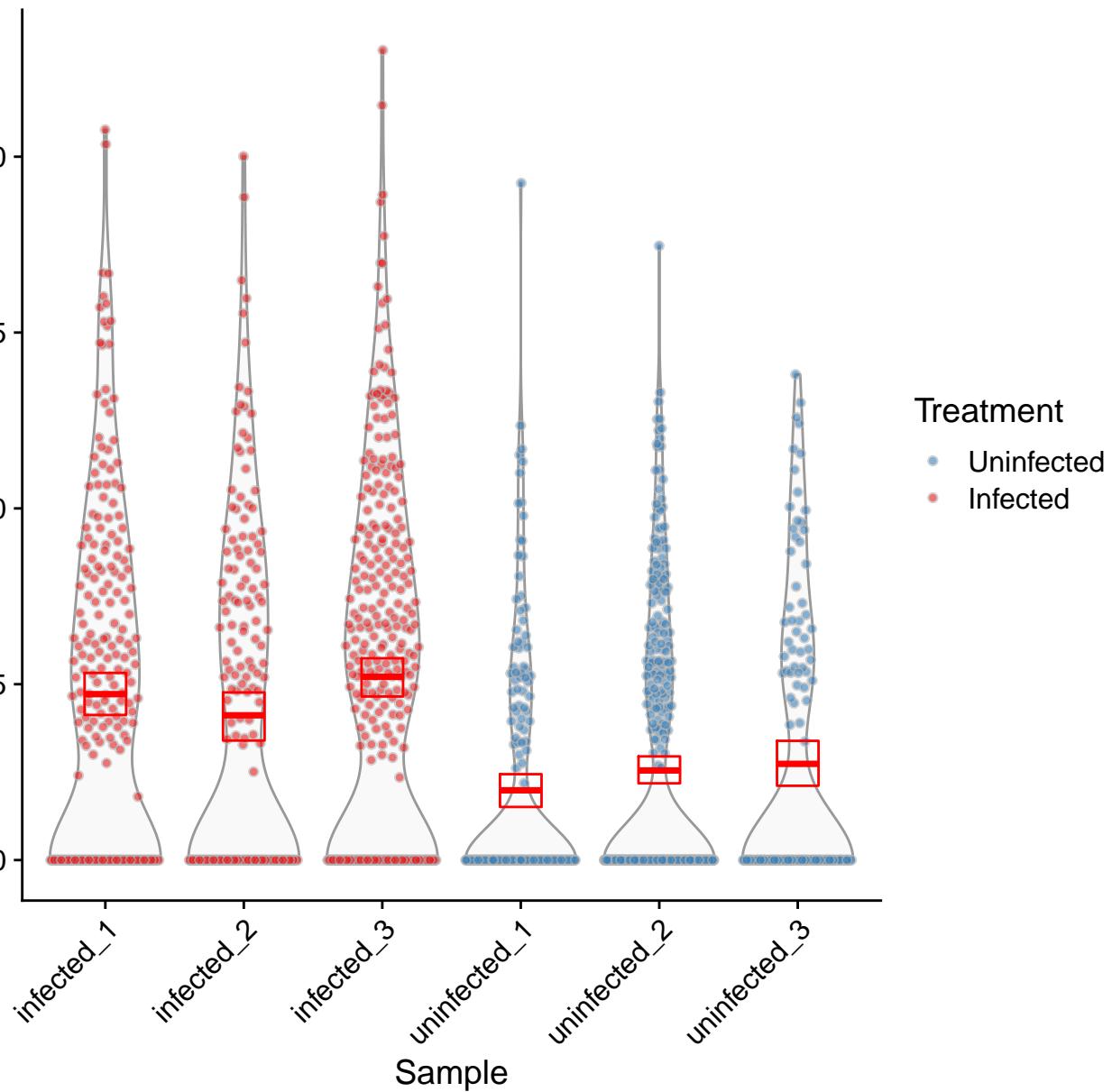
Treatment  
Uninfected  
Infected



# IL4R (FDR = 7e-04)

cluster\_11

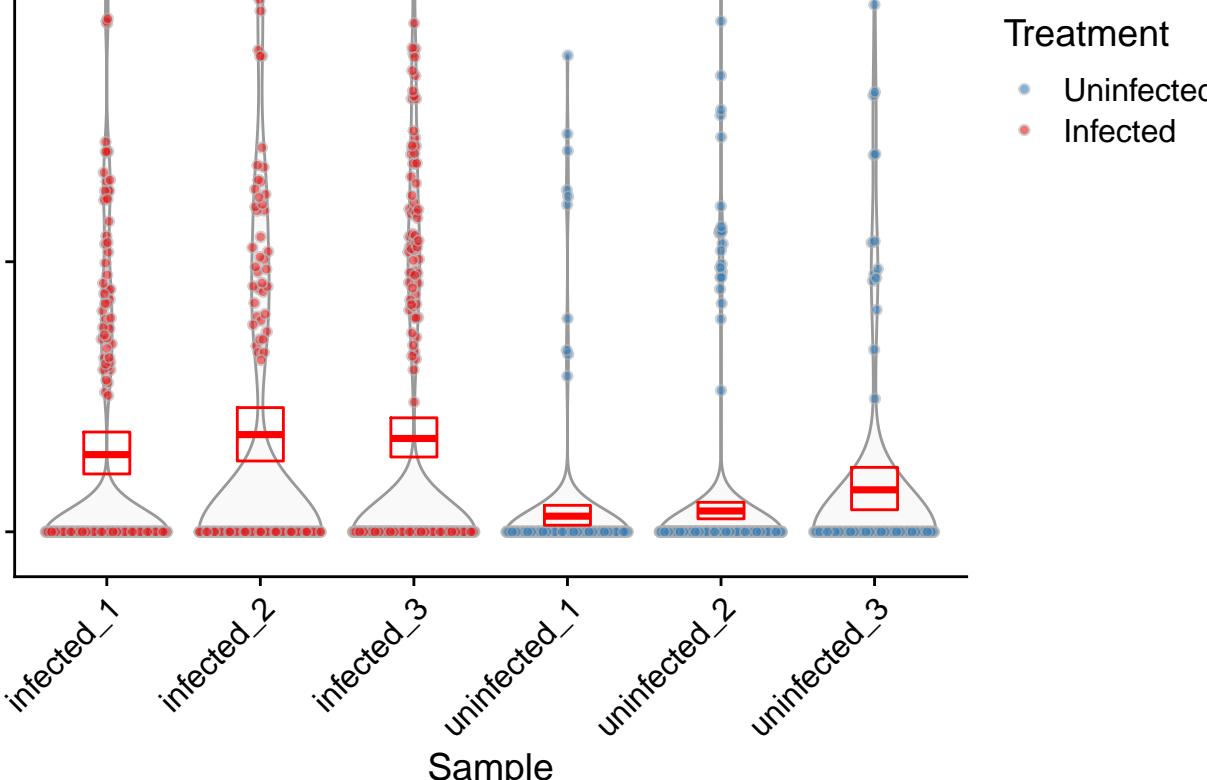
Expression (logcounts)



# TIAM2 (FDR = 7e-04)

cluster\_11

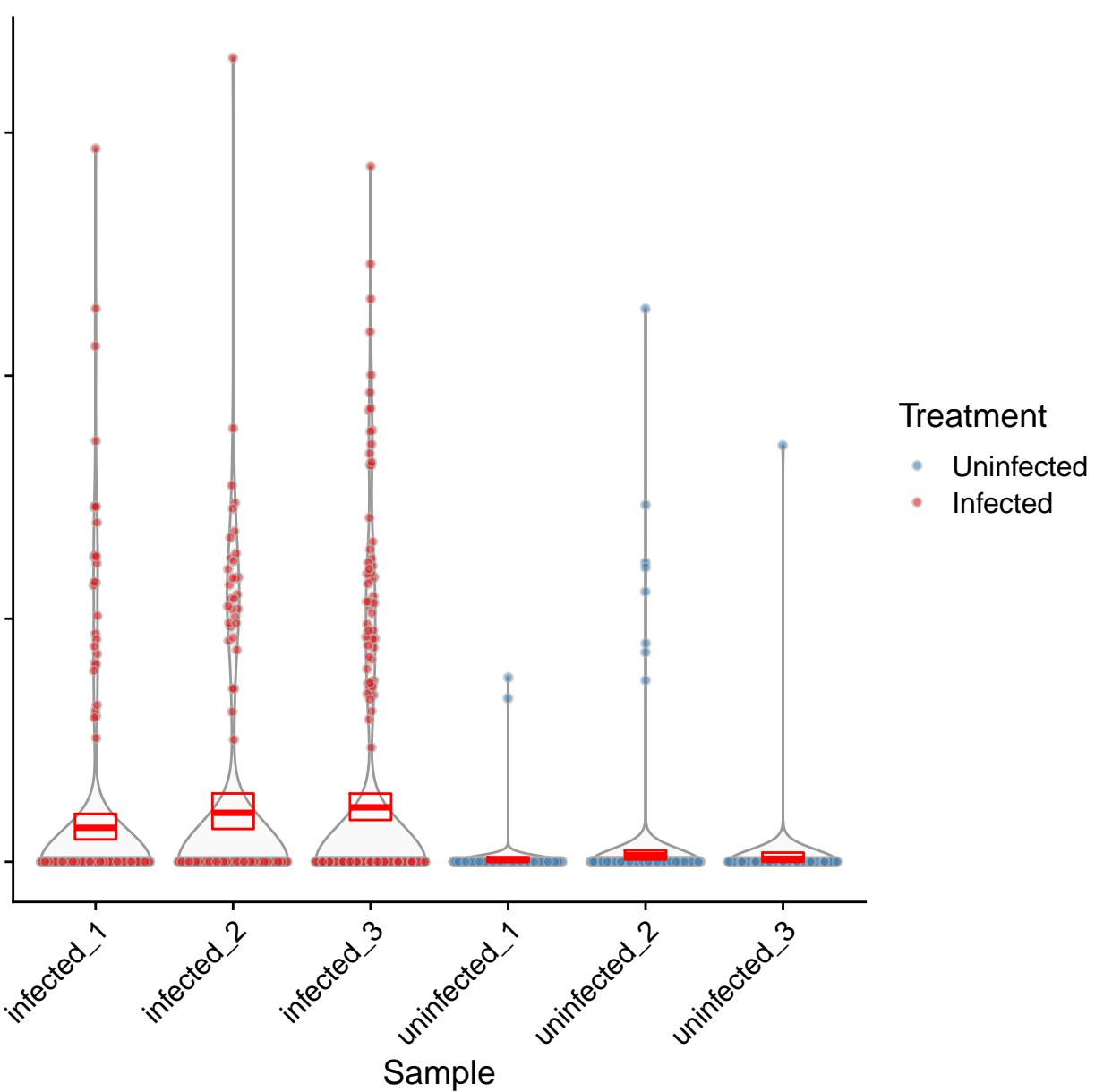
Expression (logcounts)



# GLB1L3 (FDR = 7e-04)

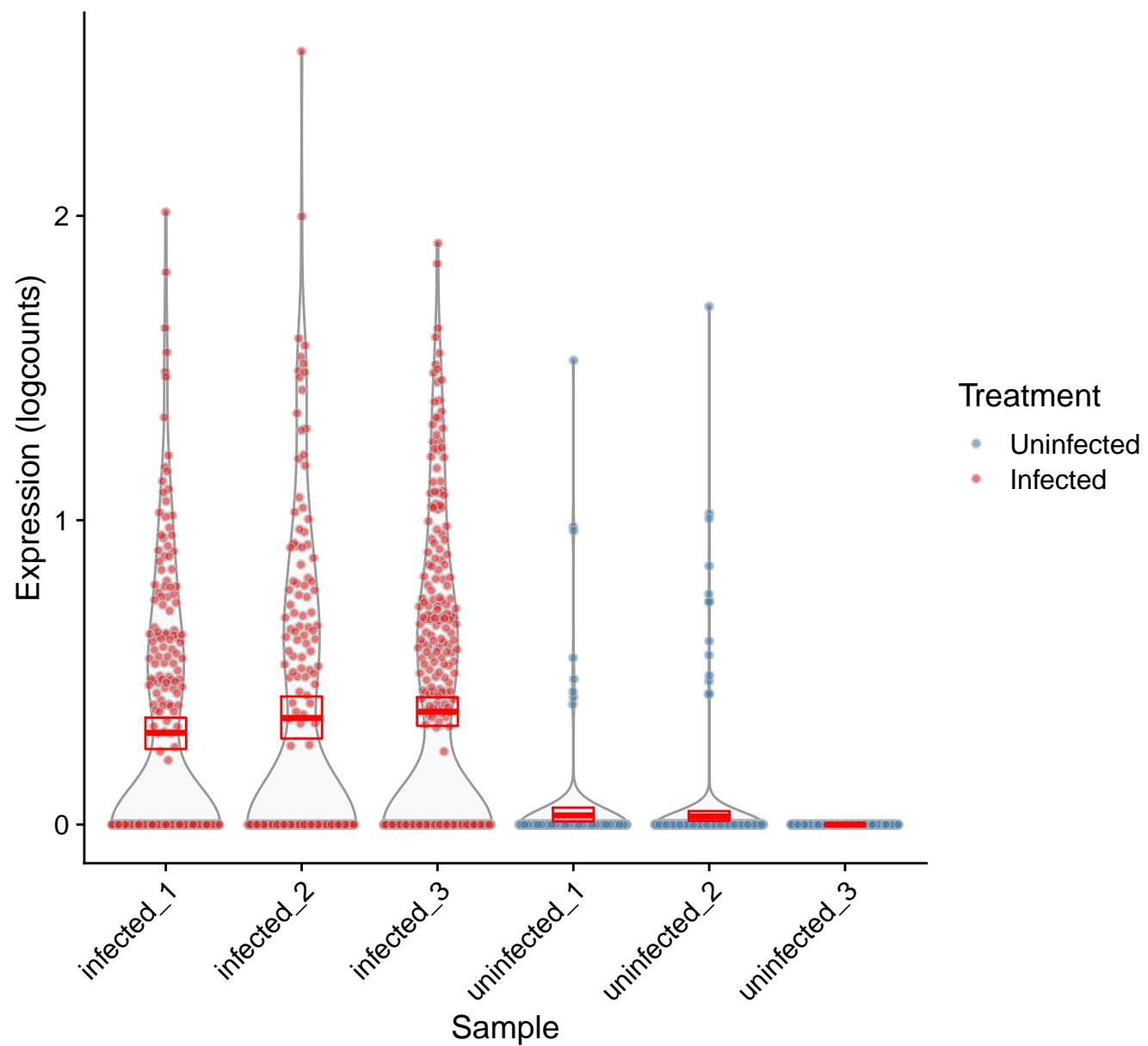
cluster\_11

Expression (logcounts)



# CADM1 (FDR = 7e-04)

cluster\_11



# TOX (FDR = 7e-04)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

infected\_1

infected\_2

infected\_3

Sample

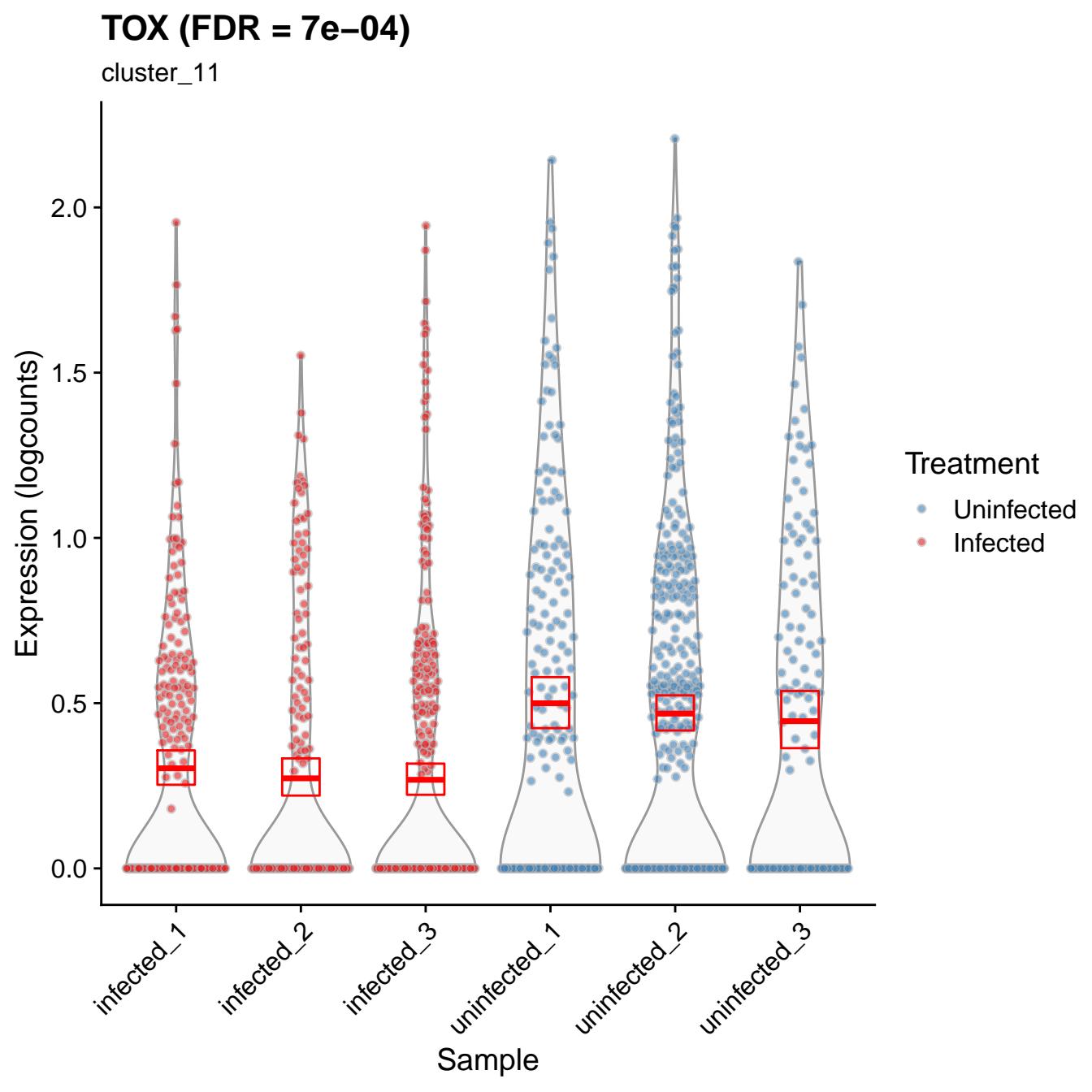
uninfected\_1

uninfected\_2

uninfected\_3

Treatment

- Uninfected
- Infected



# TPST2 (FDR = 7e-04)

cluster\_11

Expression (logcounts)

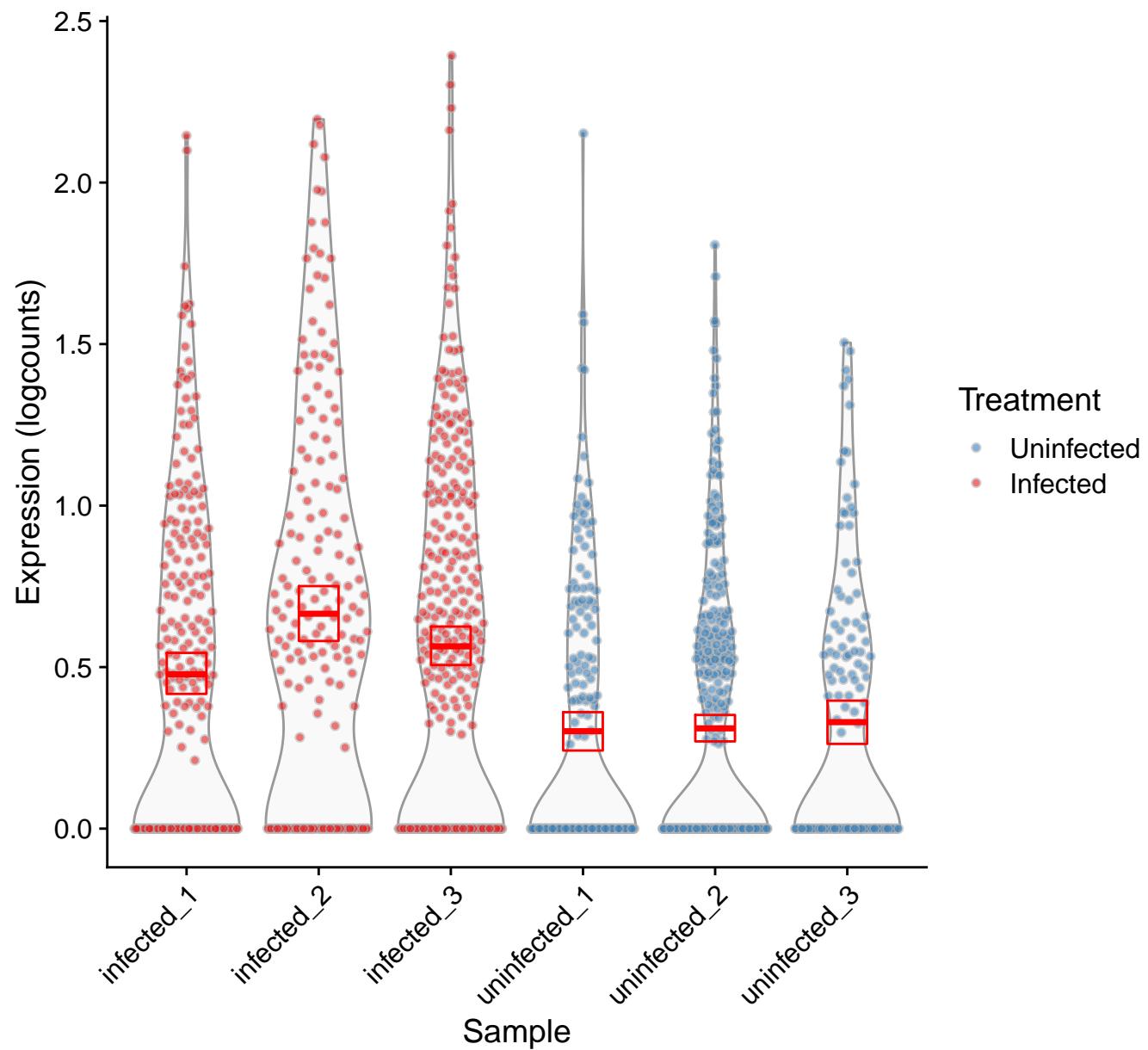
2.5  
2.0  
1.5  
1.0  
0.5  
0.0

infected\_1 infected\_2 infected\_3 uninfected\_1 uninfected\_2 uninfected\_3

Sample

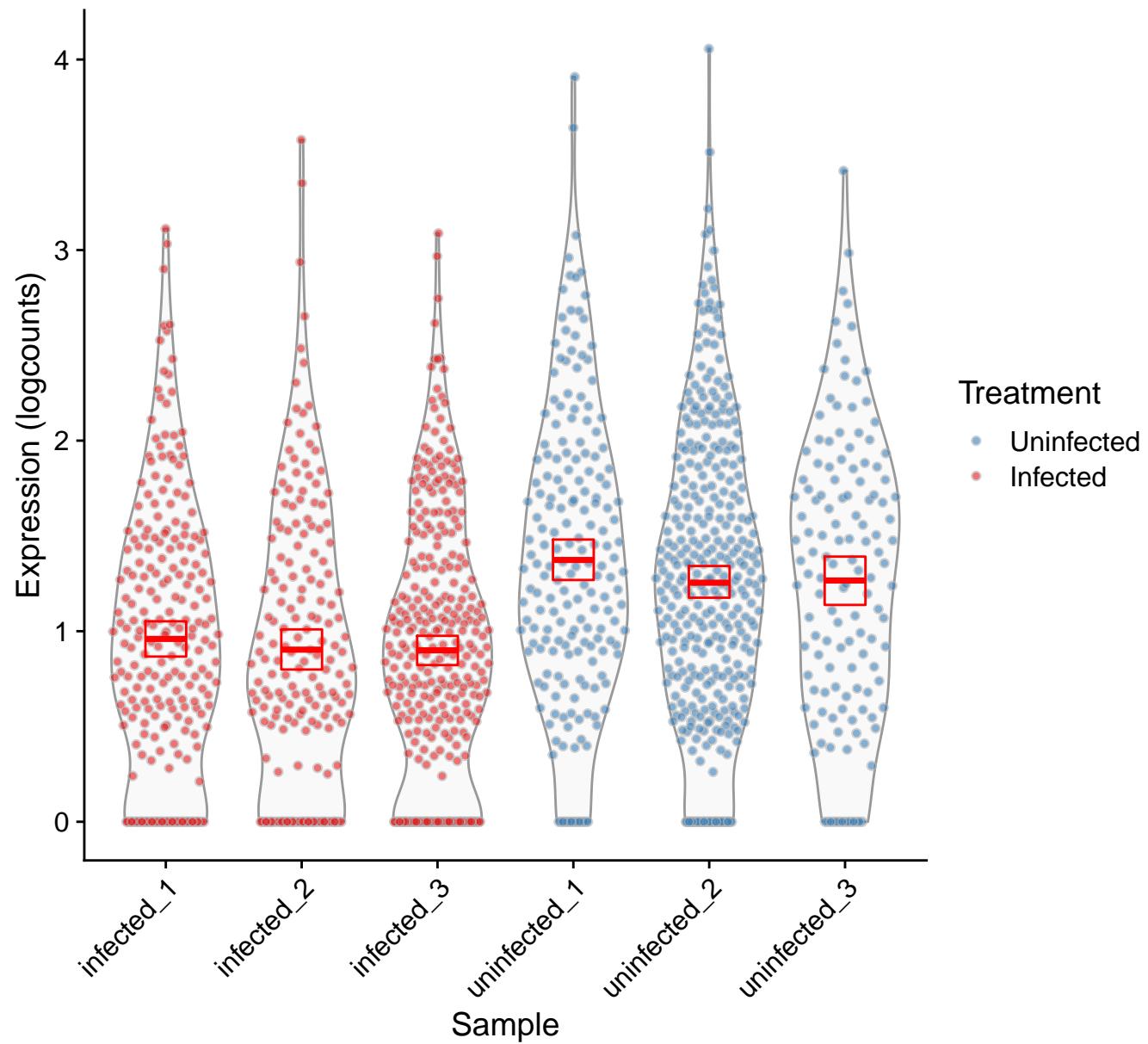
Treatment

- Uninfected
- Infected



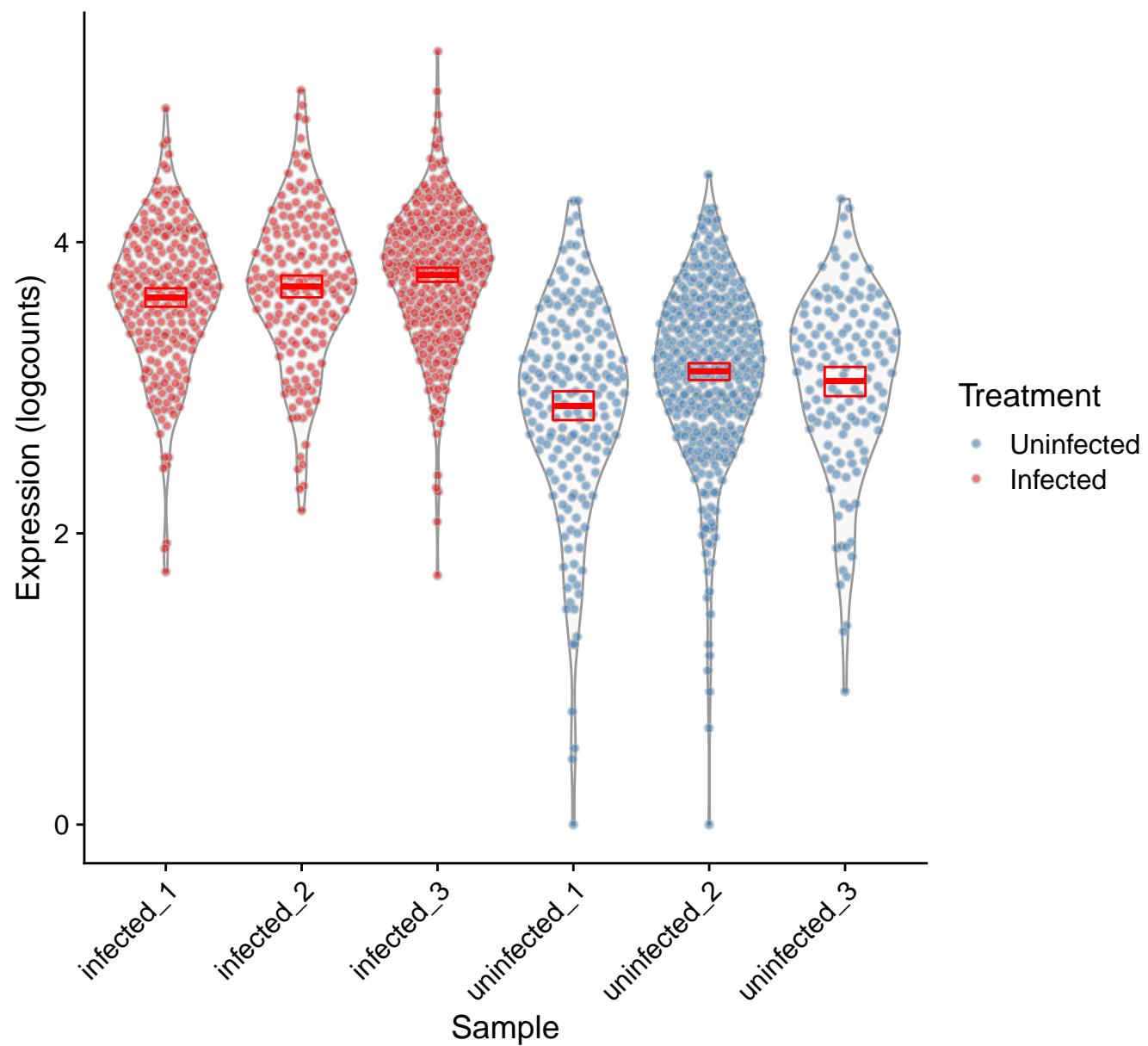
# ZFP36L1 (FDR = 7e-04)

cluster\_11



# CD99 (FDR = 7e-04)

cluster\_11



# AC090152.1 (FDR = 8e-04)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

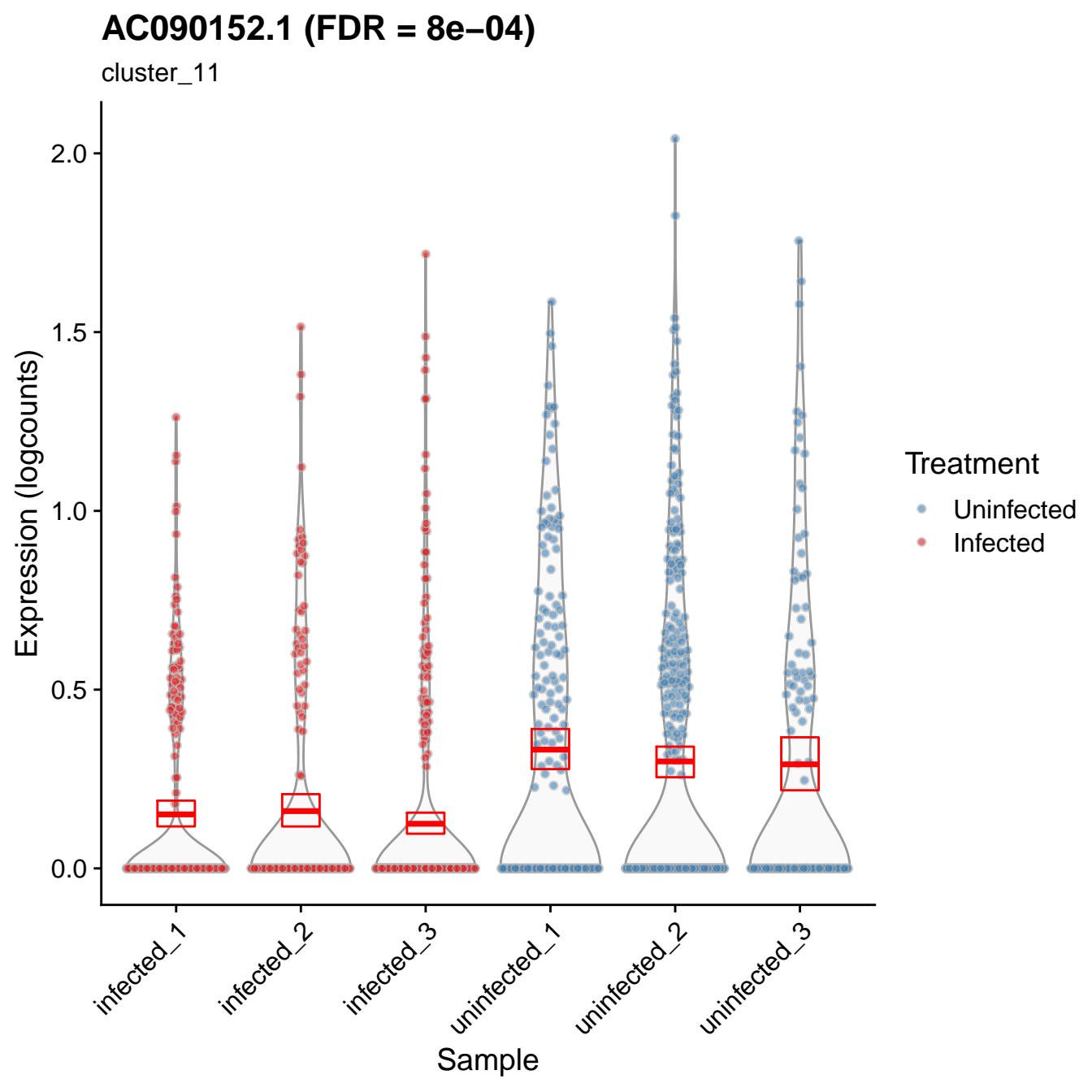
infected\_3

Sample

uninfected\_1

uninfected\_2

uninfected\_3



# THEM4 (FDR = 9e-04)

cluster\_11

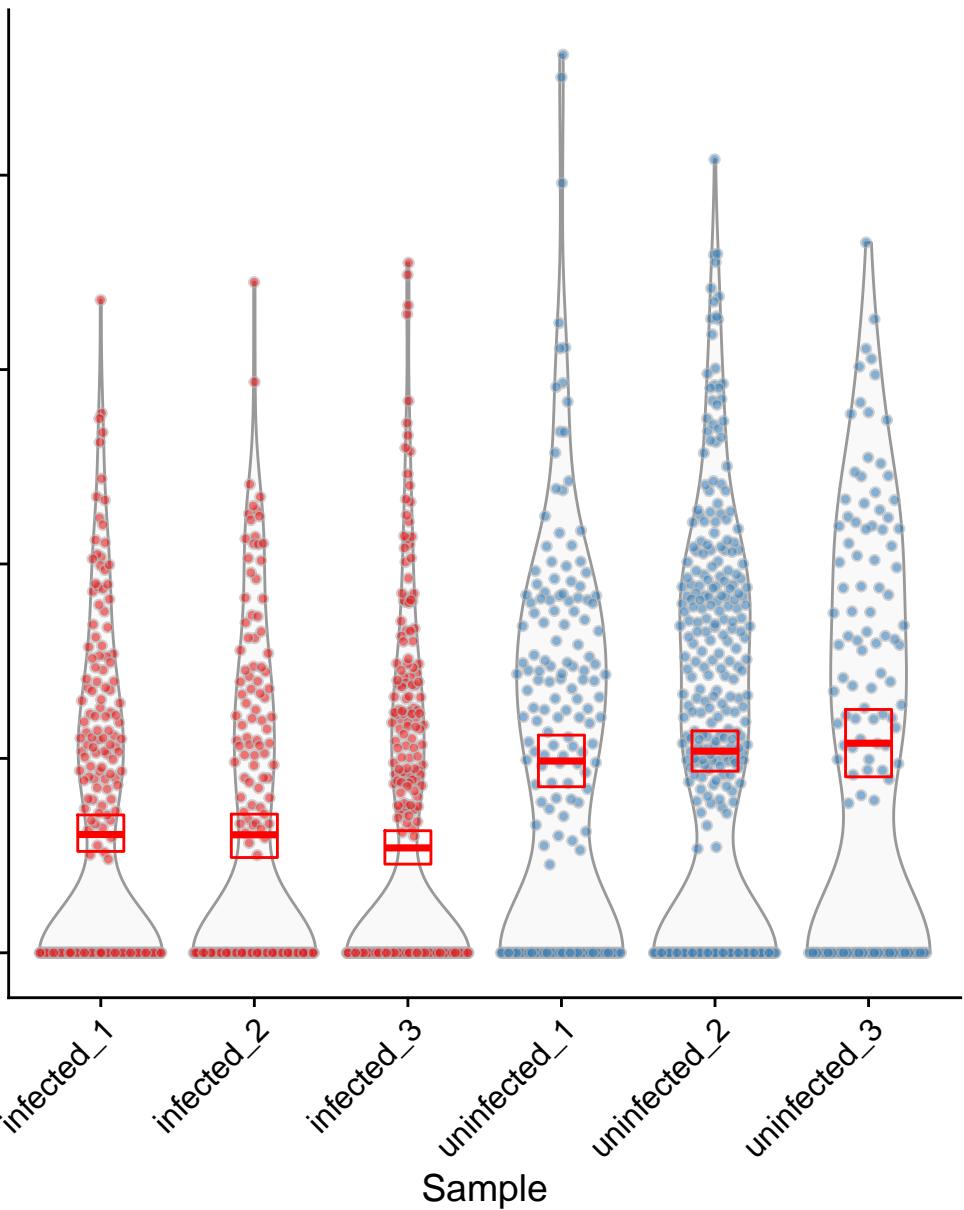
Expression (logcounts)

2.0  
1.5  
1.0  
0.5  
0.0

infected\_1 infected\_2 infected\_3 uninfected\_1 uninfected\_2 uninfected\_3

Sample

Treatment  
Uninfected  
Infected



# PARVG (FDR = 9e-04)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

infected\_3

Sample



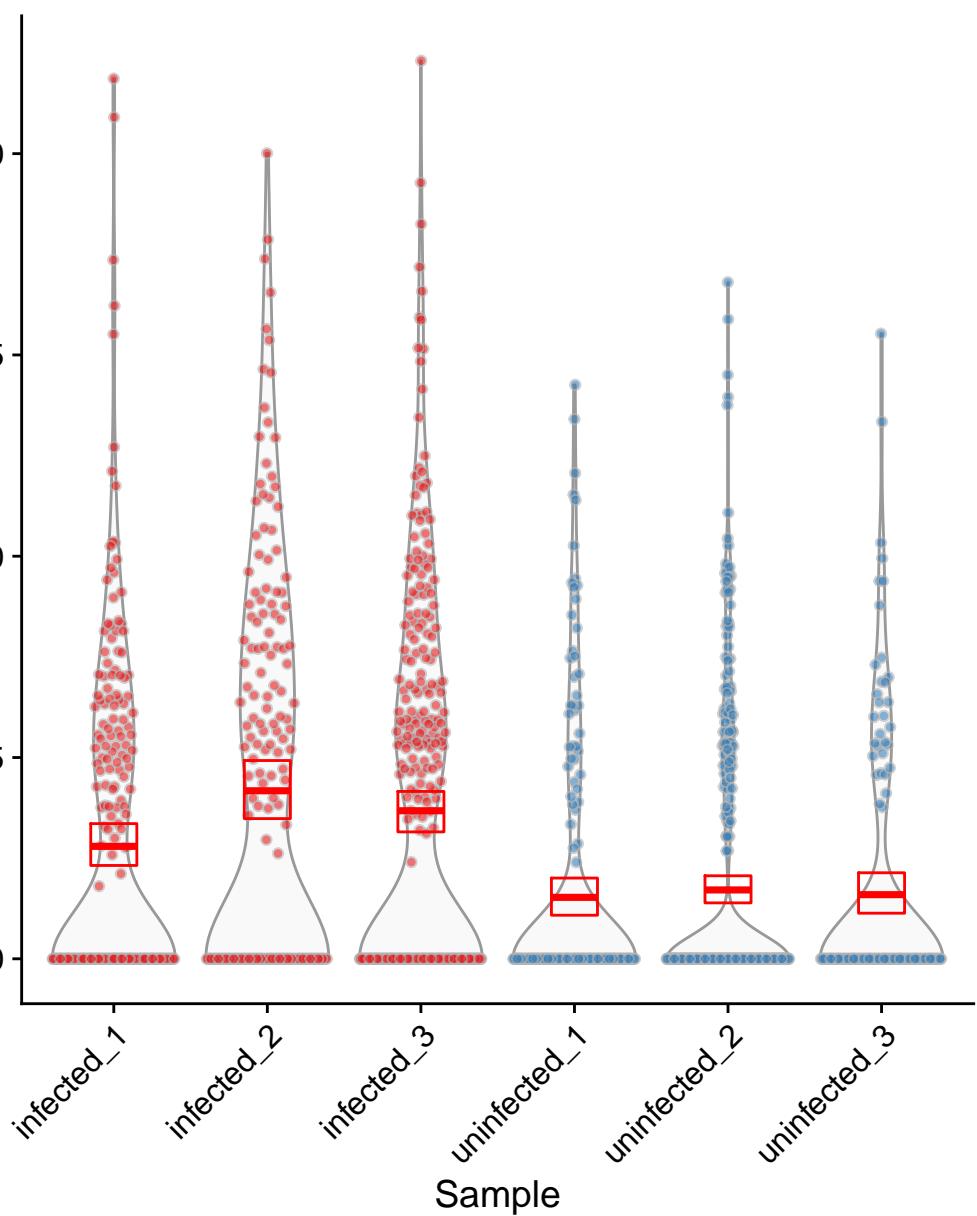
# EEP1 (FDR = 9e-04)

cluster\_11

Expression (logcounts)

Treatment

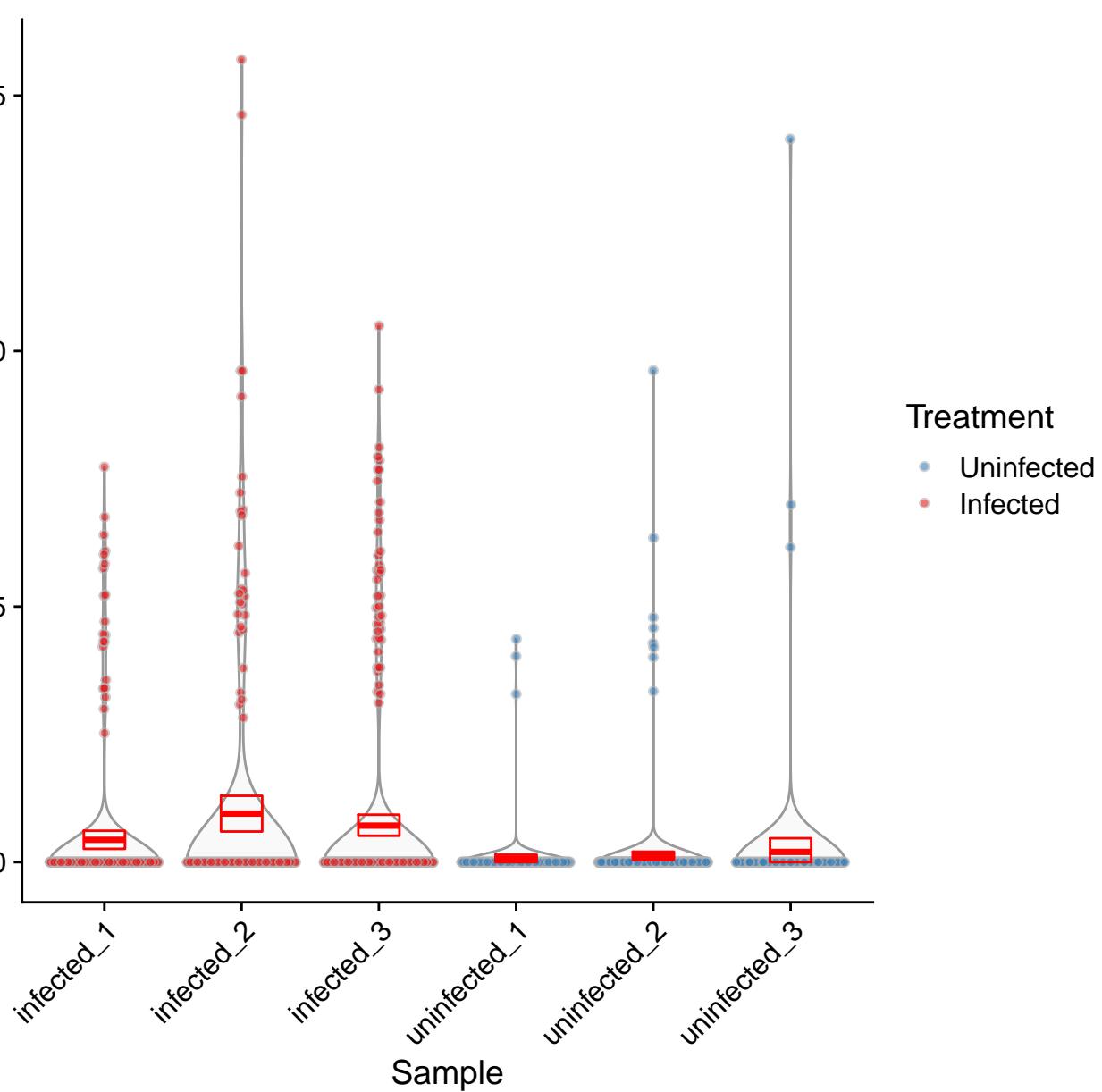
- Uninfected
- Infected



# SH3RF2 (FDR = 9e-04)

cluster\_11

Expression (logcounts)



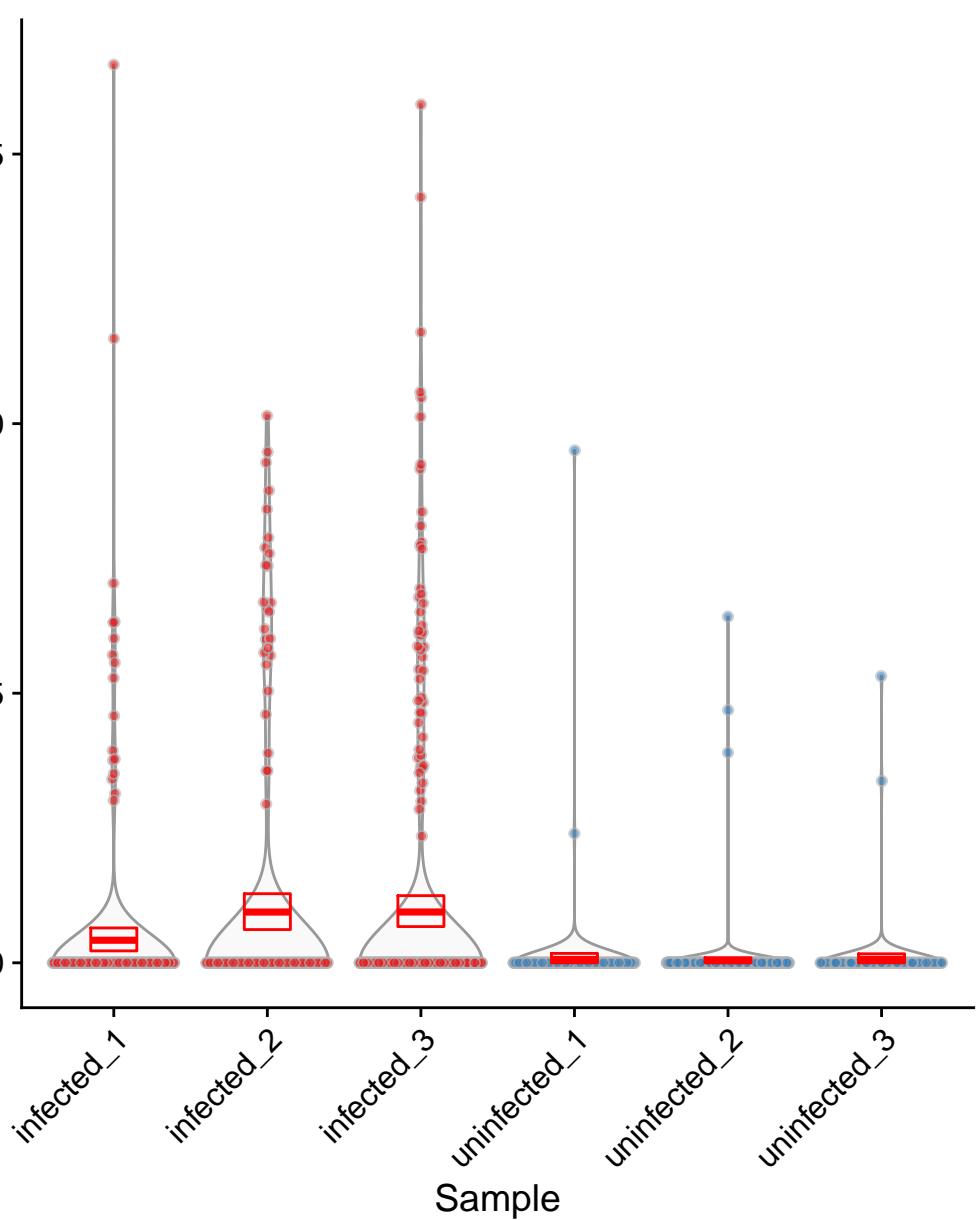
# DST (FDR = 0.001)

cluster\_11

Expression (logcounts)

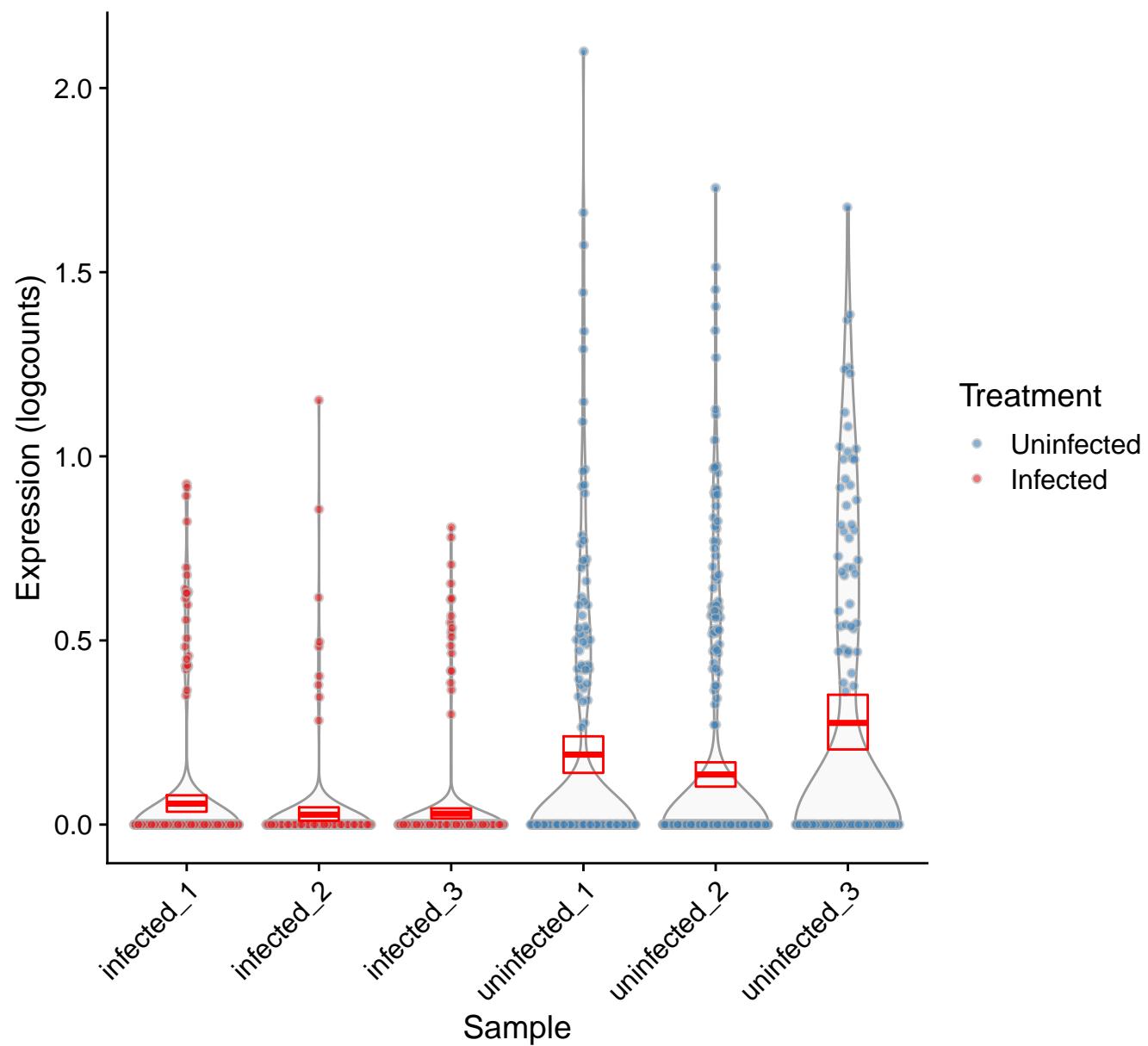
Treatment

- Uninfected
- Infected



# IFI44 (FDR = 0.001)

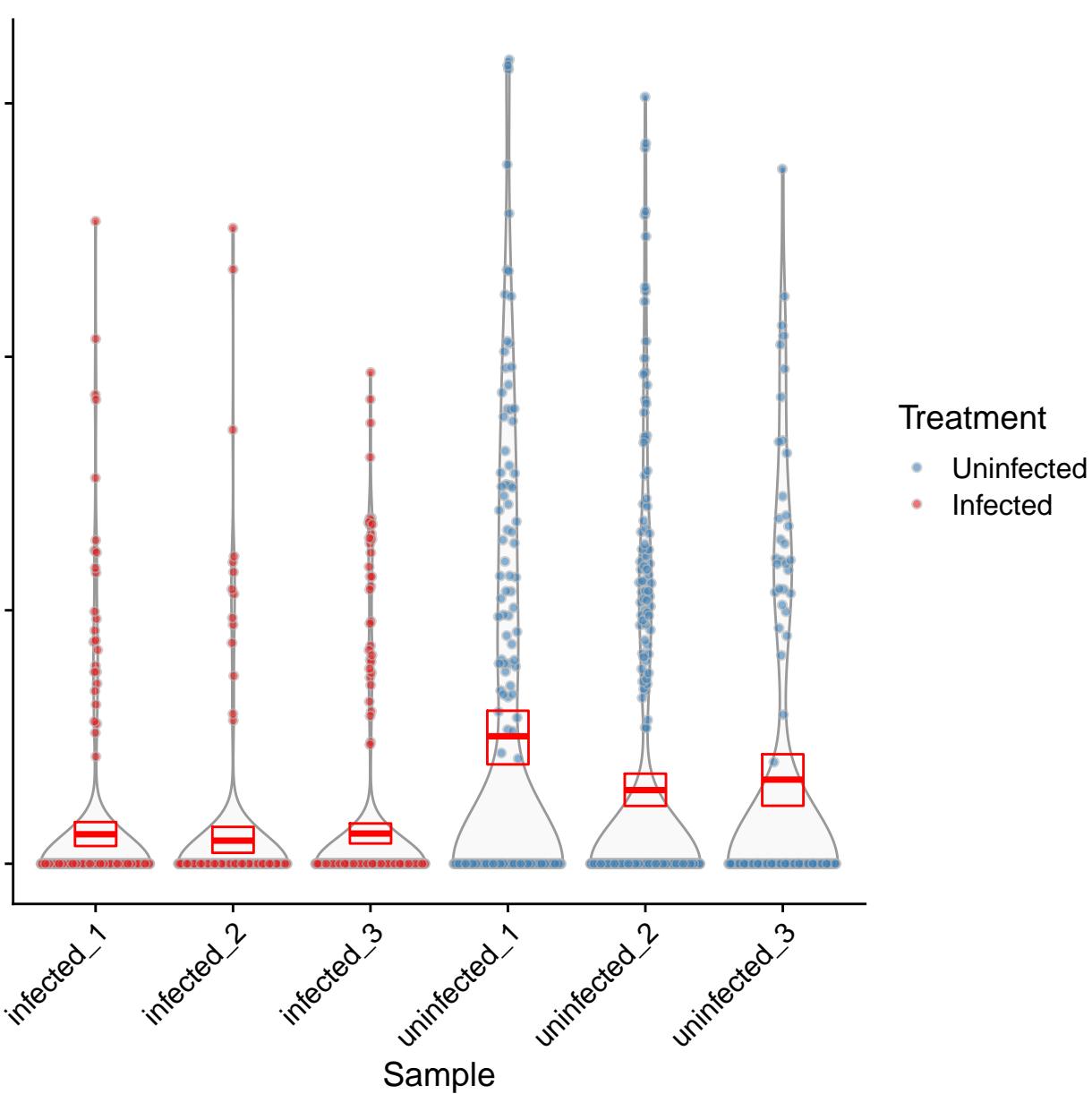
cluster\_11



# TBC1D4 (FDR = 0.001)

cluster\_11

Expression (logcounts)



# NME7 (FDR = 0.001)

cluster\_11

Expression (logcounts)

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

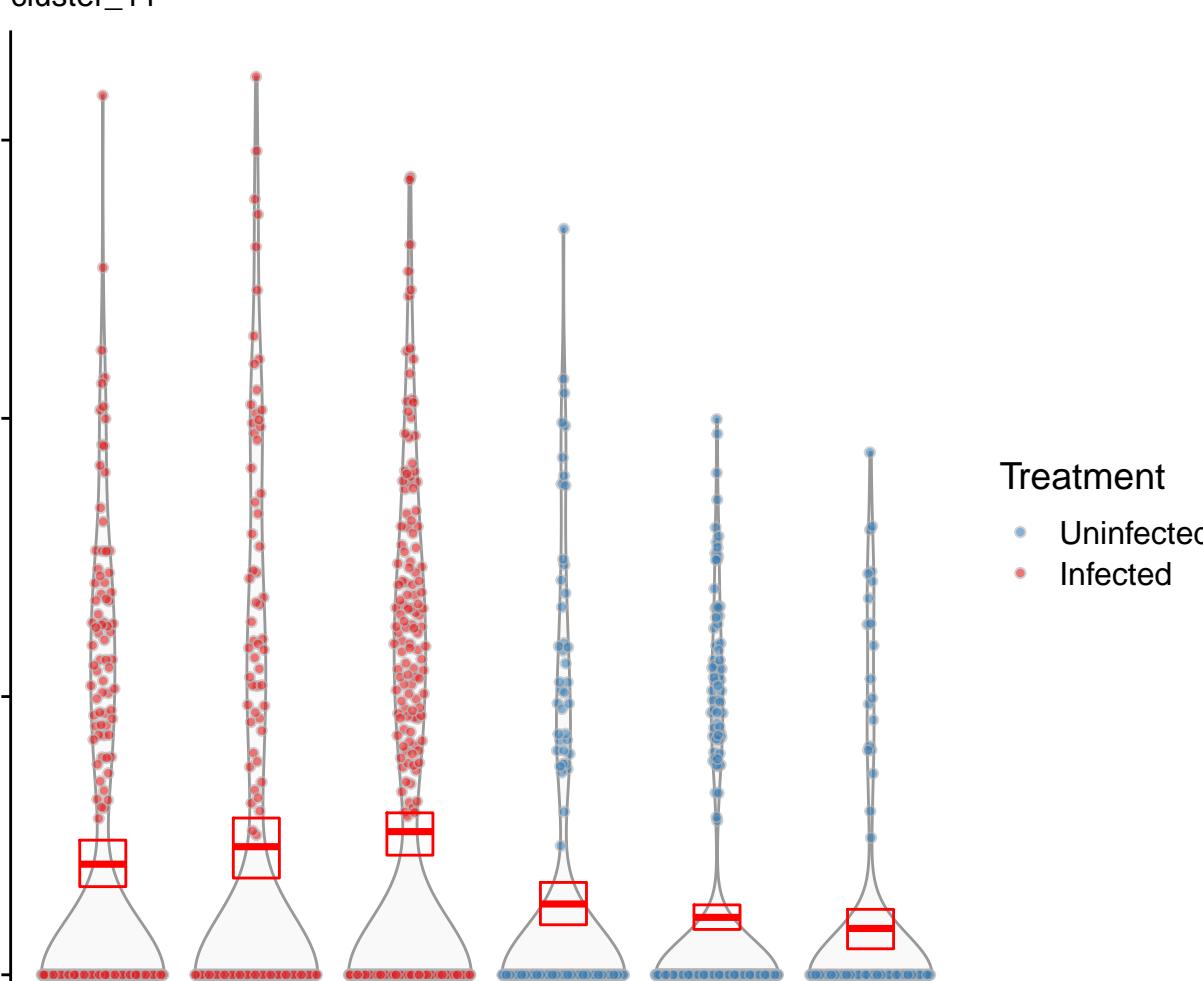
infected\_3

Sample

uninfected\_1

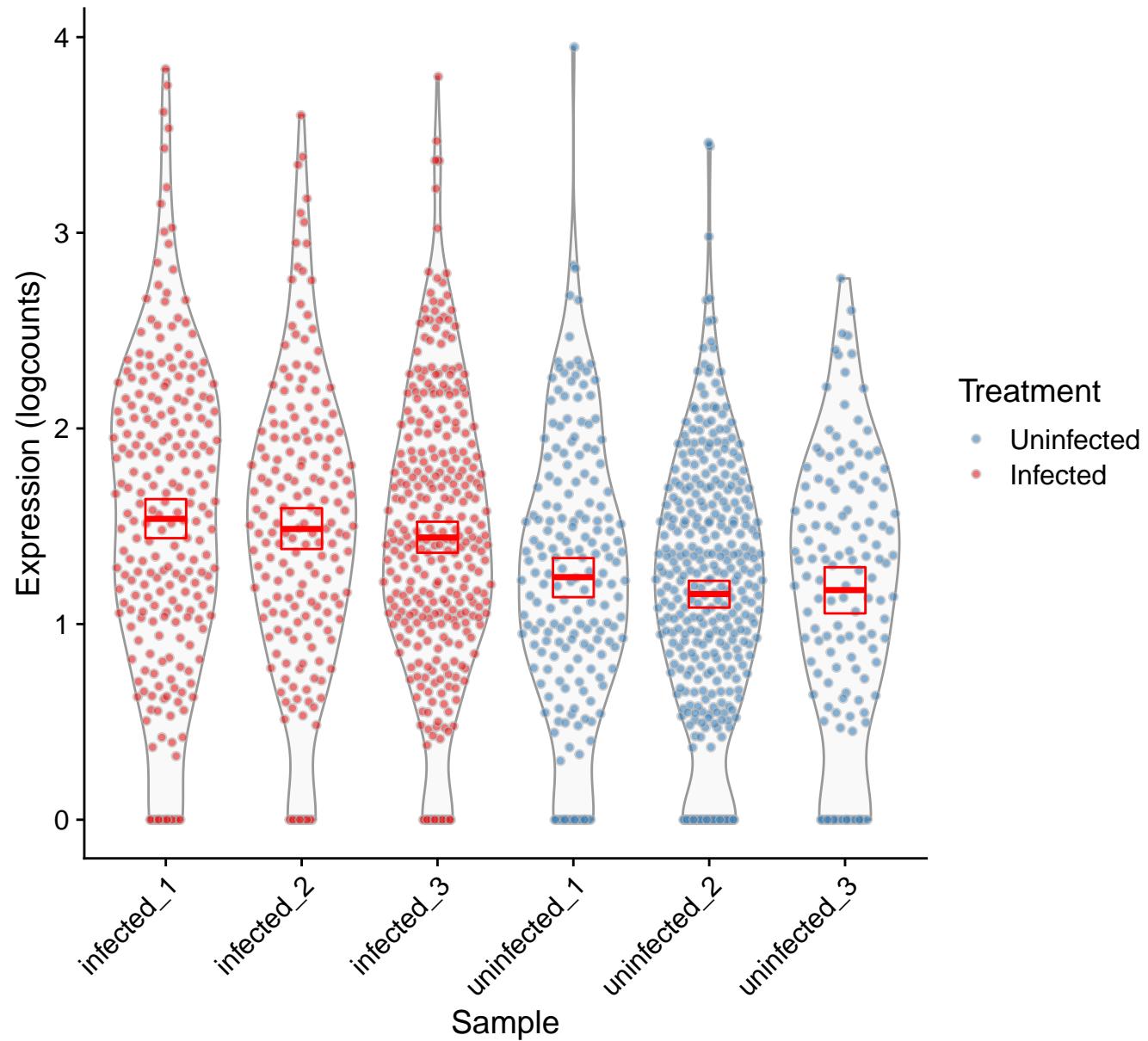
uninfected\_2

uninfected\_3



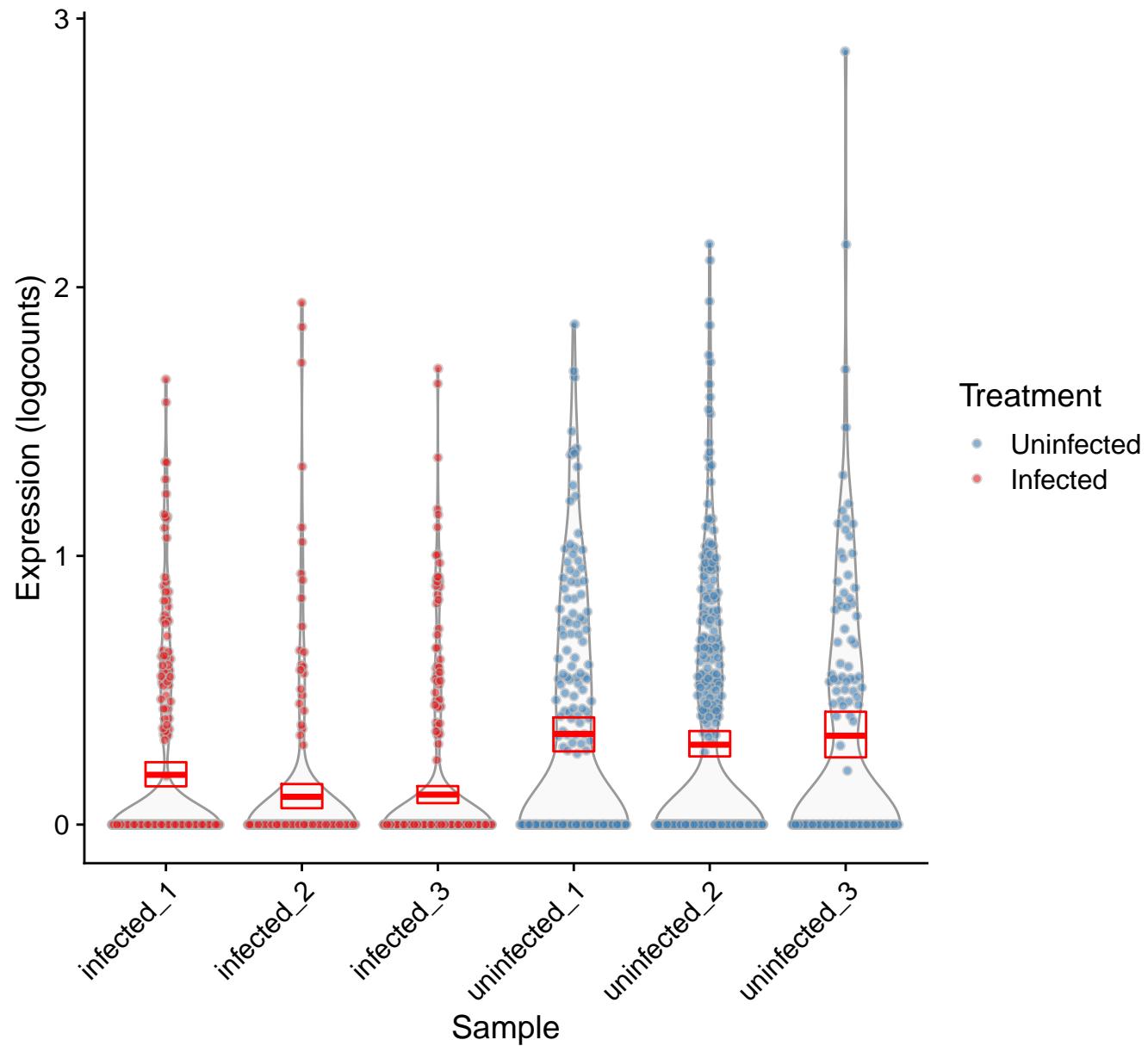
# IRF1 (FDR = 0.002)

cluster\_11



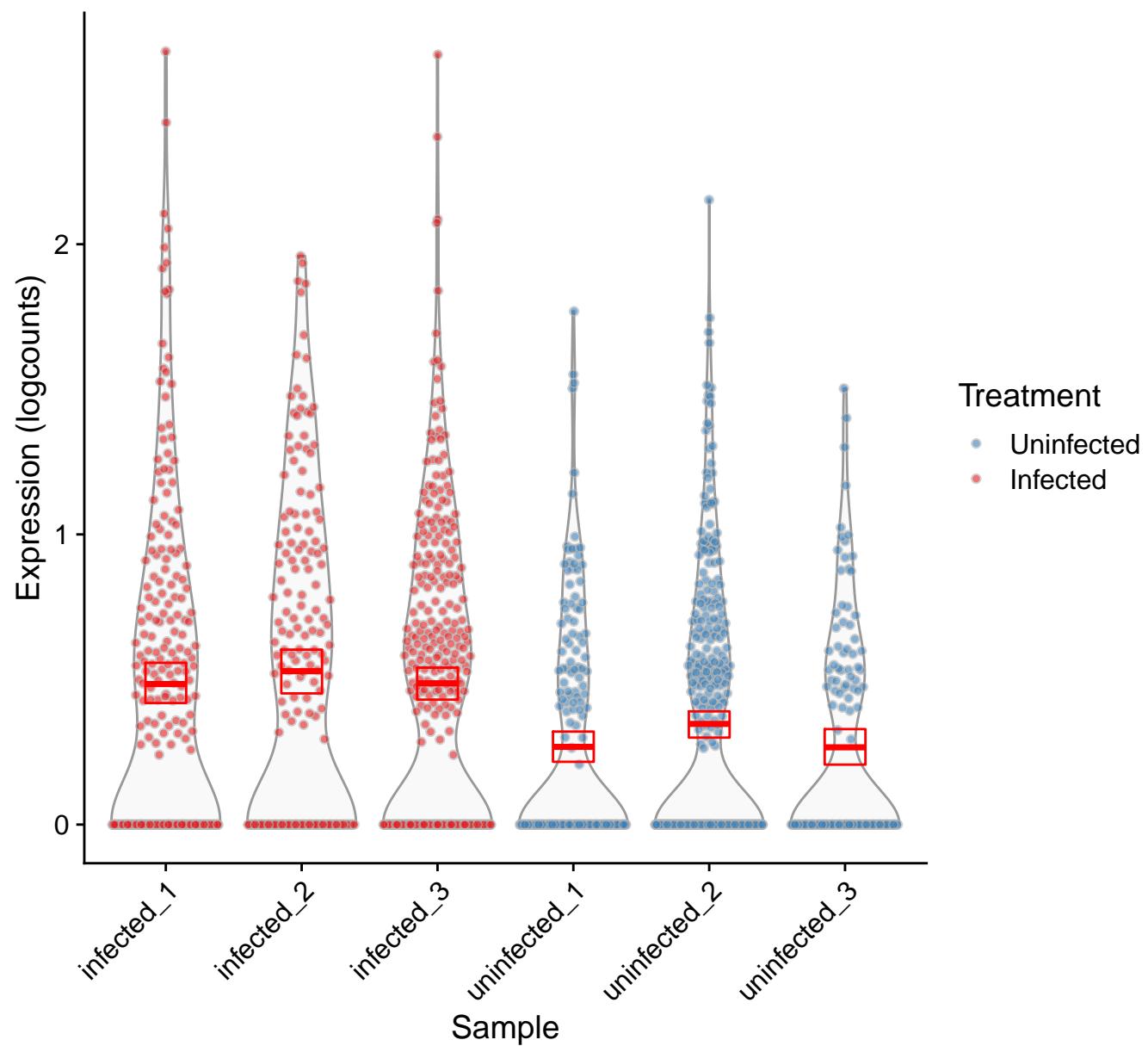
# F5 (FDR = 0.002)

cluster\_11



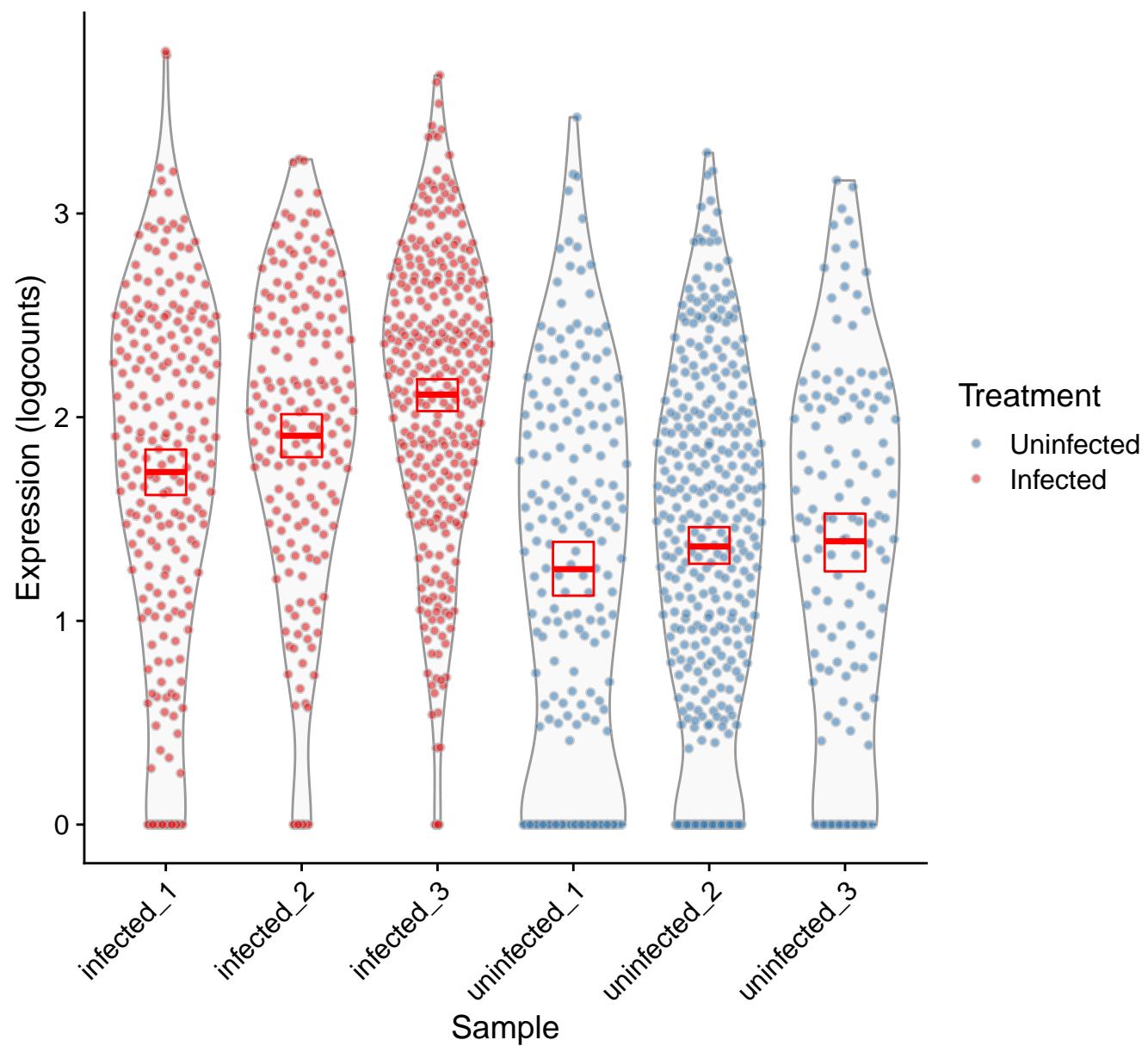
# RRBP1 (FDR = 0.002)

cluster\_11



# CXCR3 (FDR = 0.002)

cluster\_11



# NFATC1 (FDR = 0.002)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

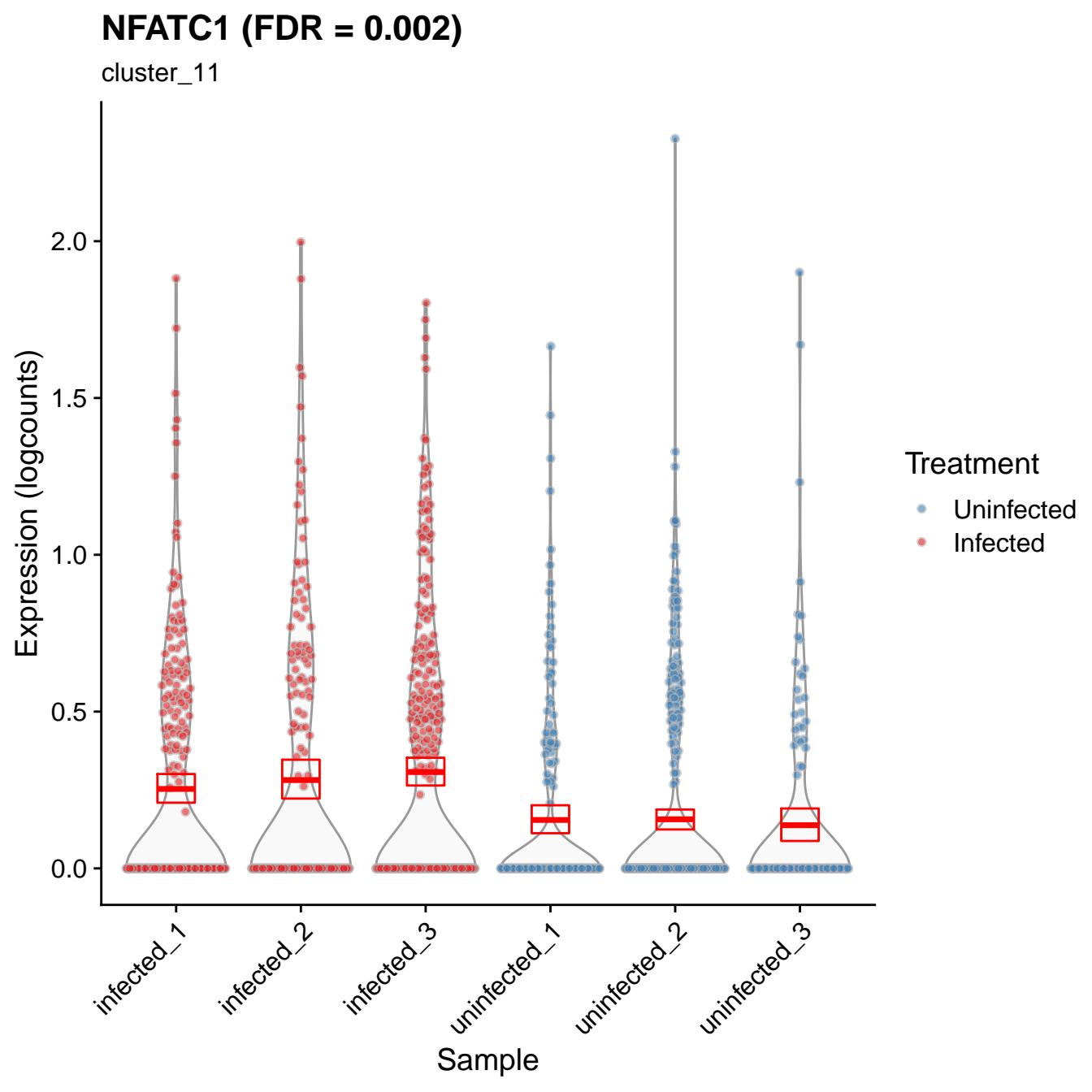
infected\_3

Sample

uninfected\_1

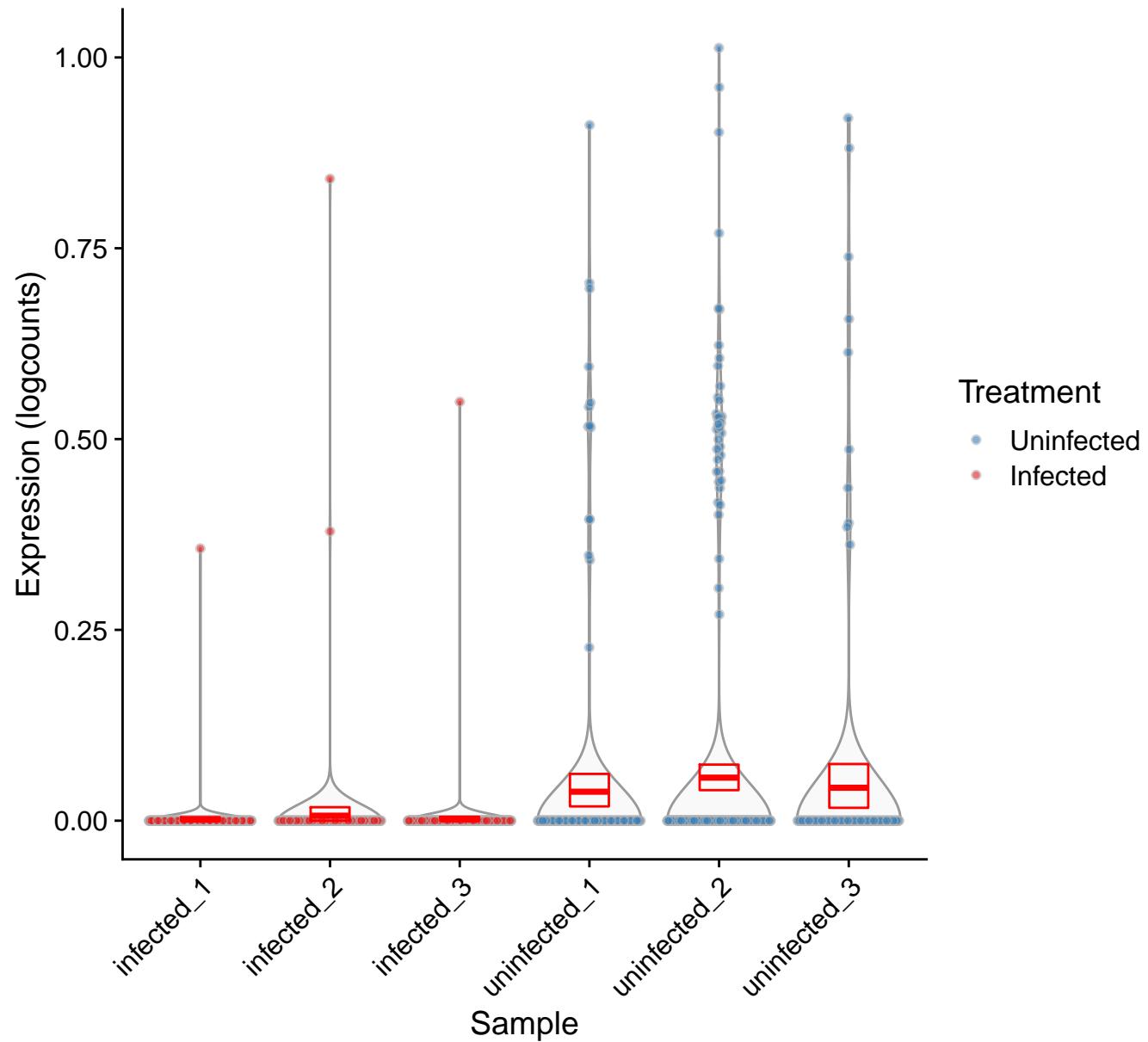
uninfected\_2

uninfected\_3



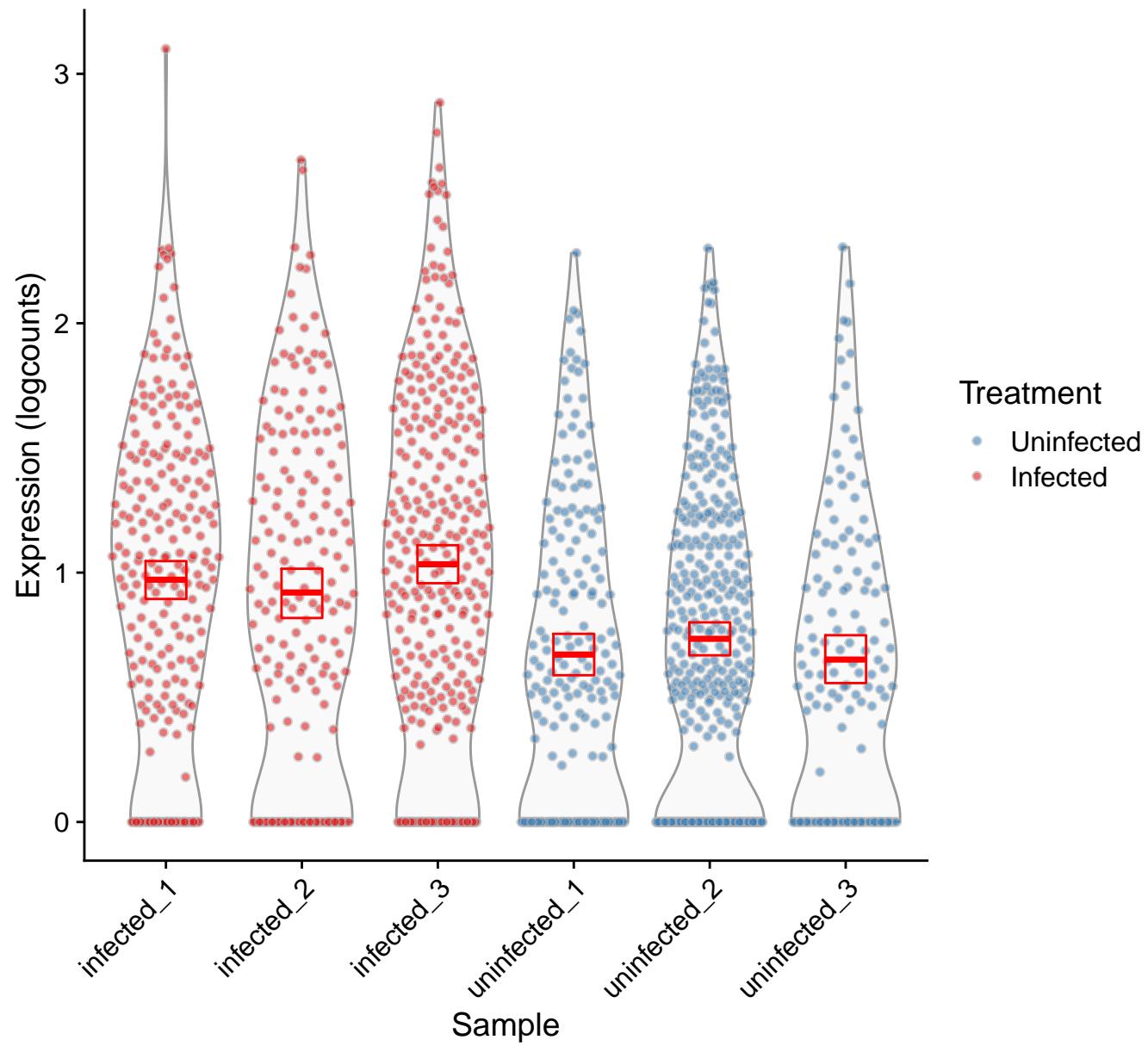
# **FNBP1L (FDR = 0.002)**

cluster\_11



# VSIR (FDR = 0.002)

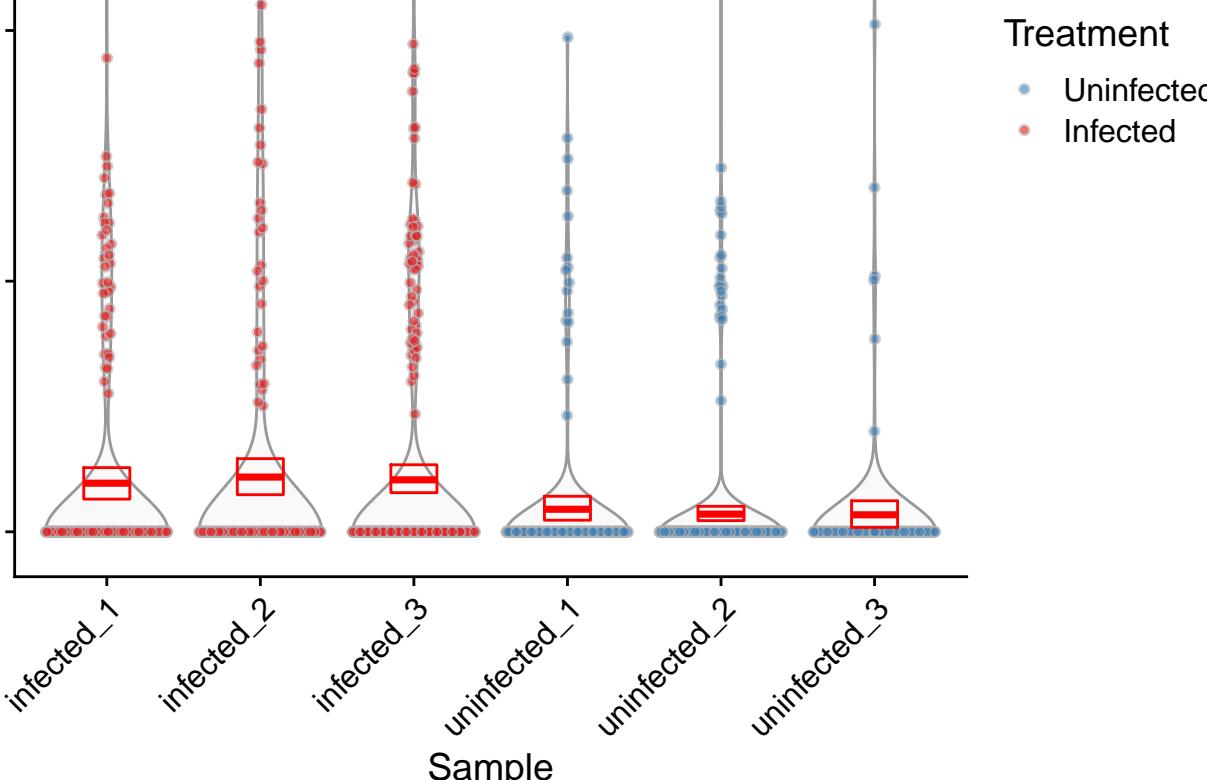
cluster\_11



# MTX3 (FDR = 0.002)

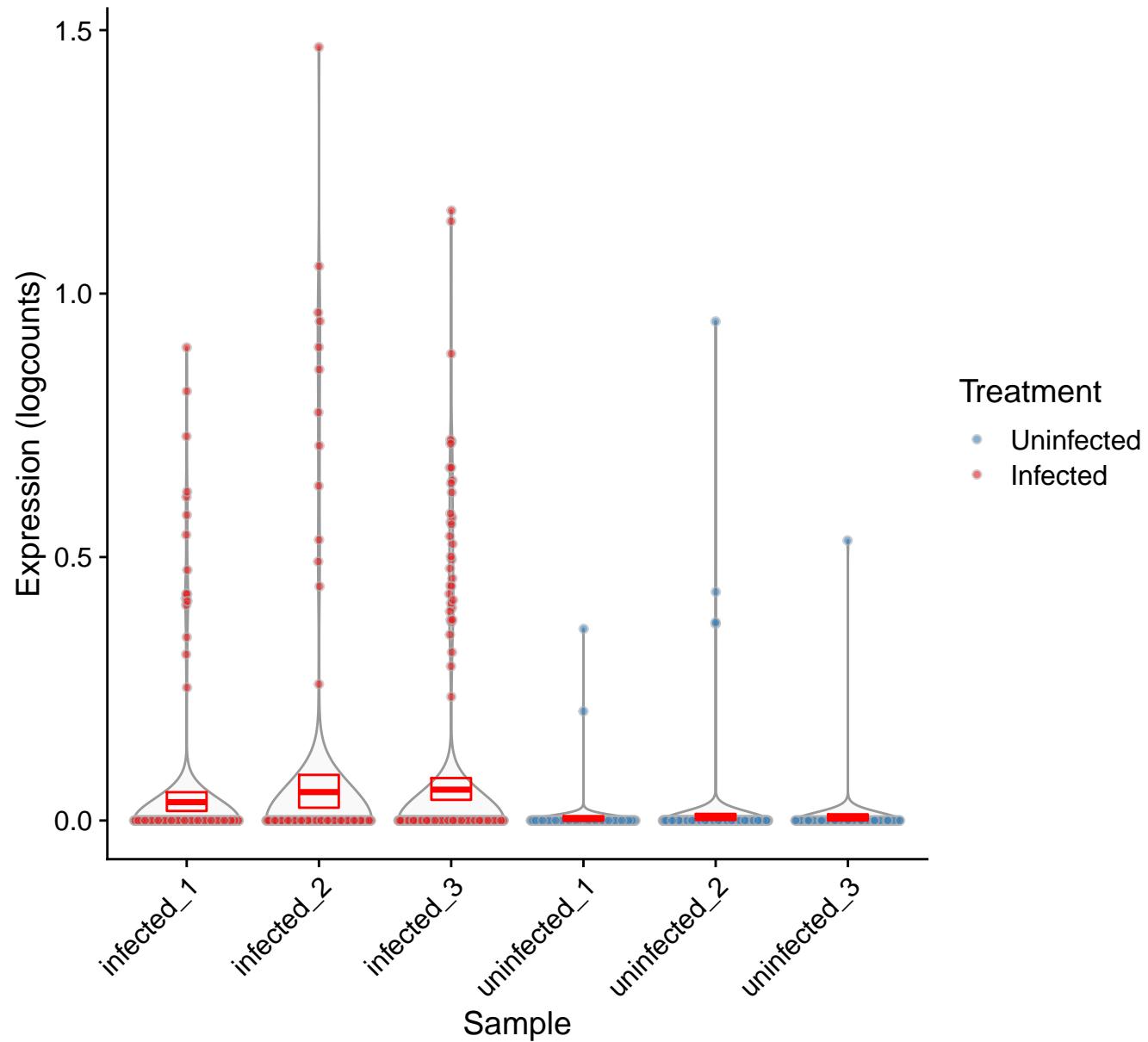
cluster\_11

Expression (logcounts)



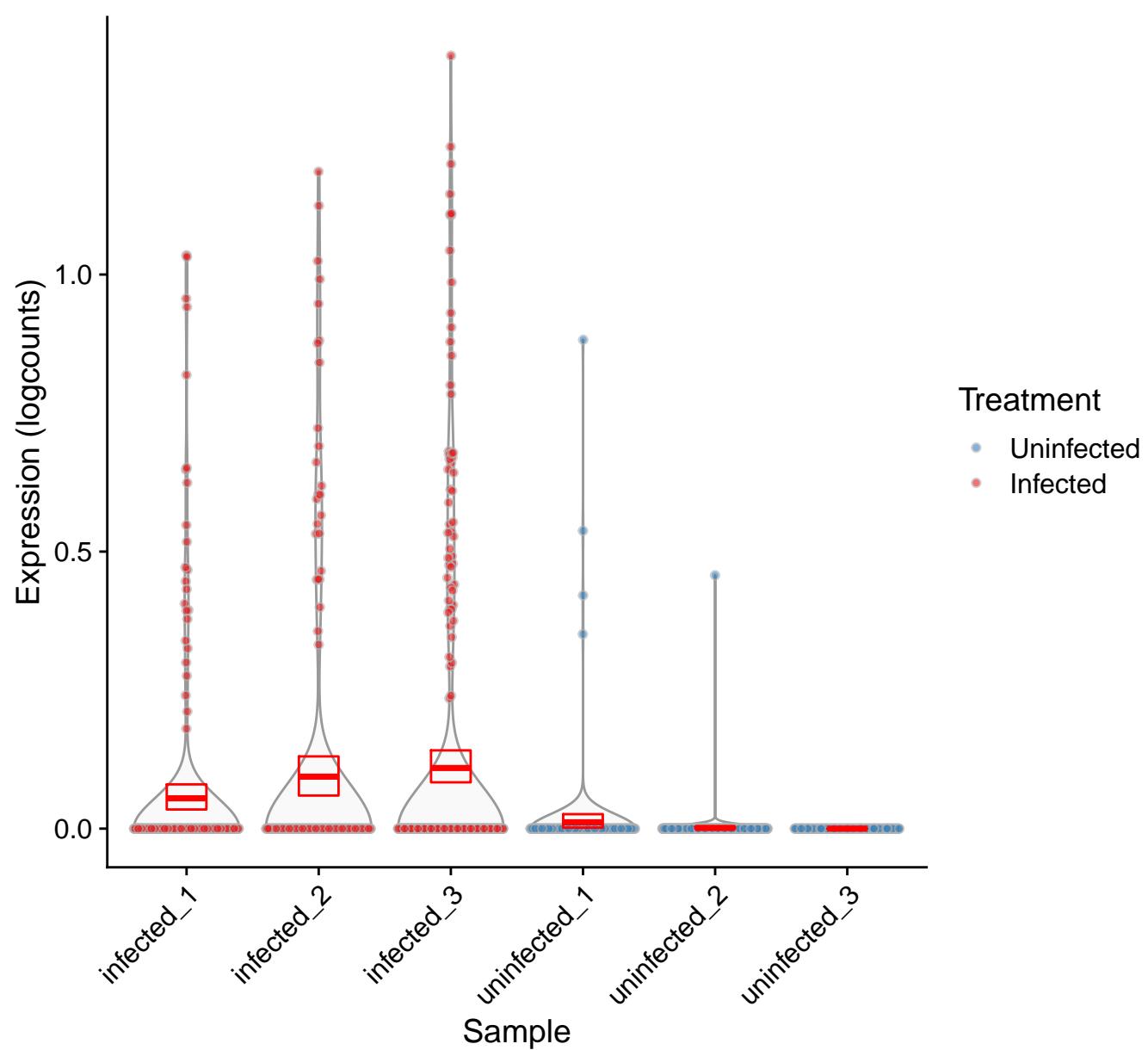
# DAPK2 (FDR = 0.002)

cluster\_11



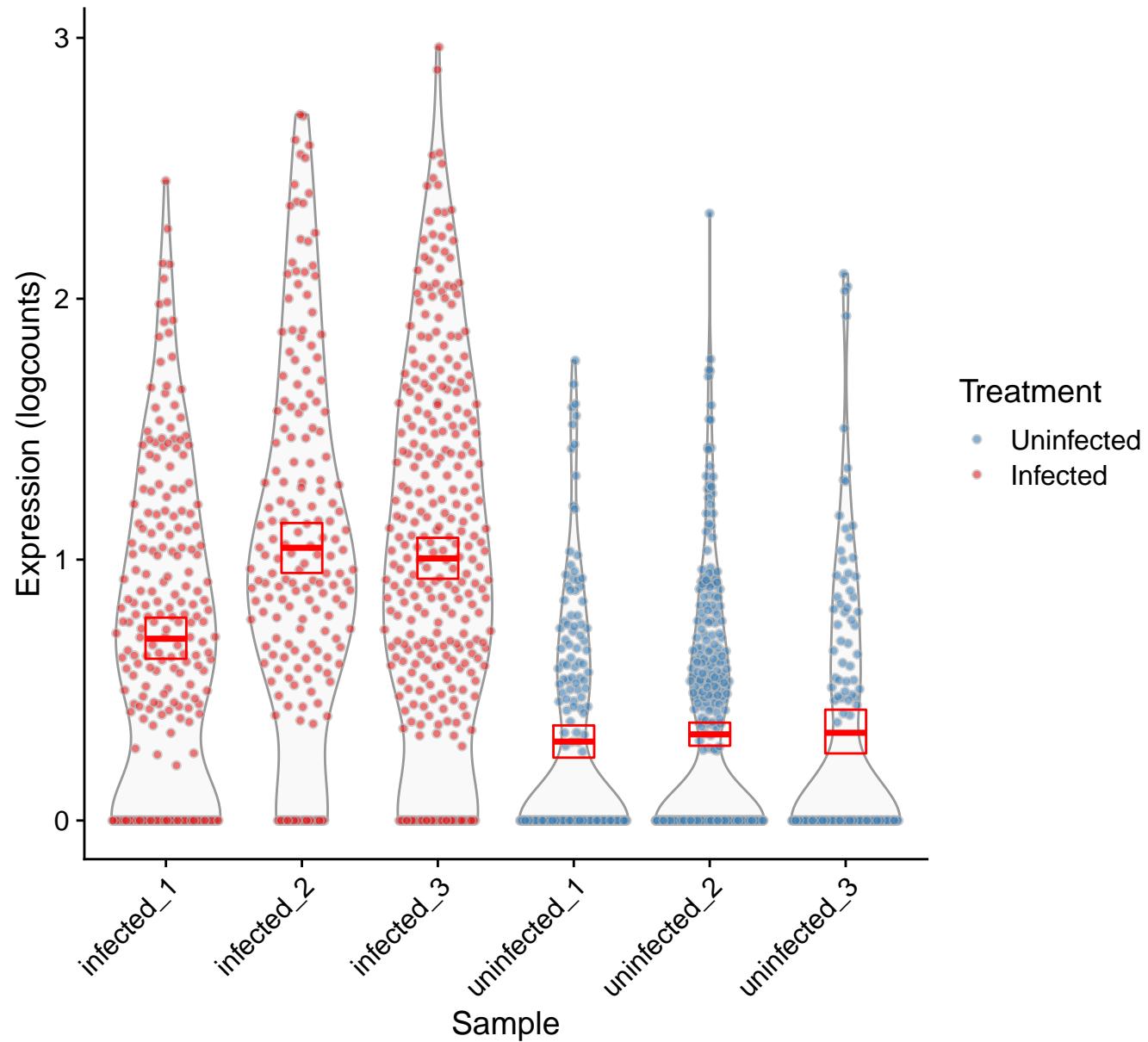
# MYOF (FDR = 0.002)

cluster\_11



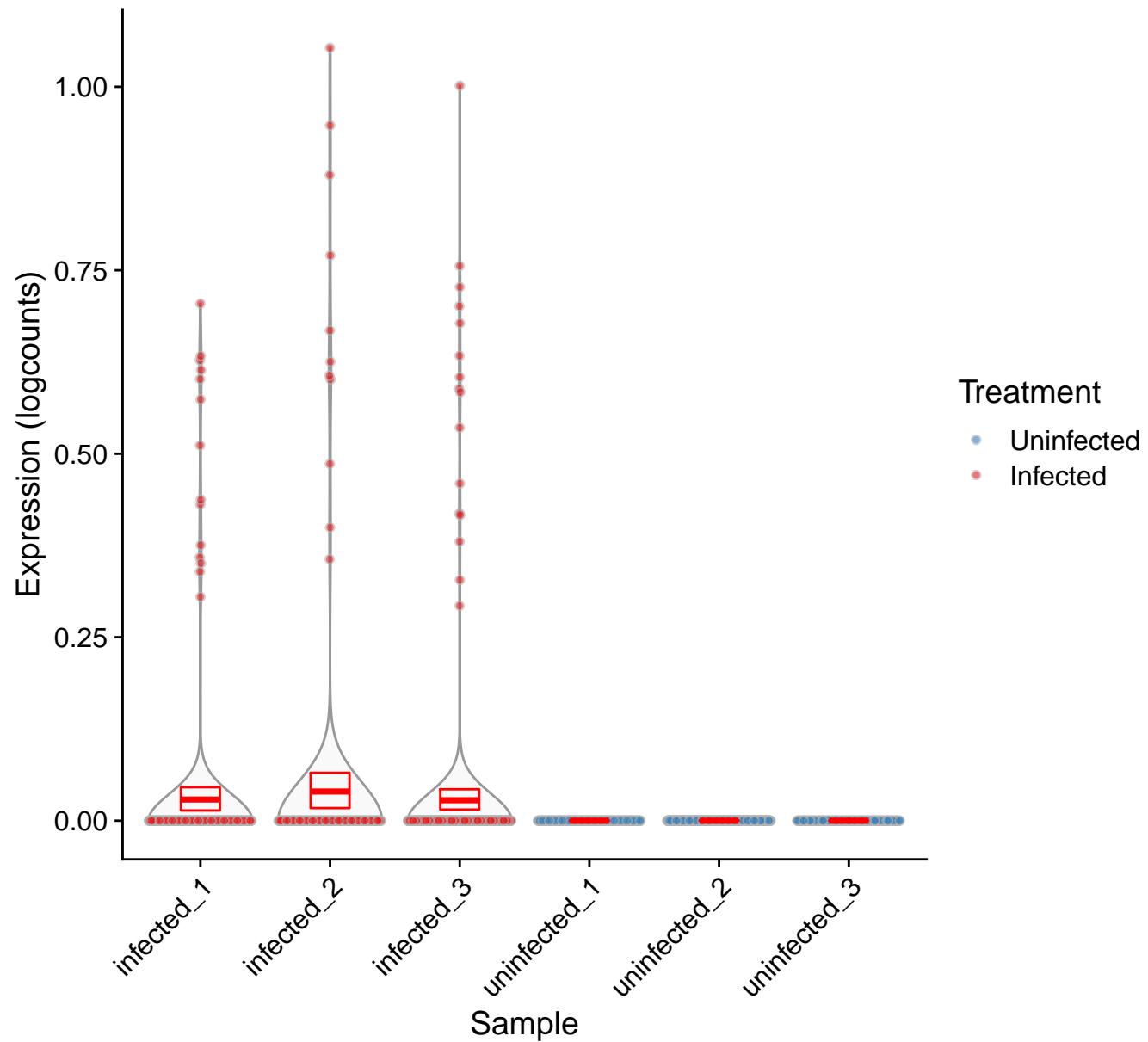
# CBLB (FDR = 0.002)

cluster\_11



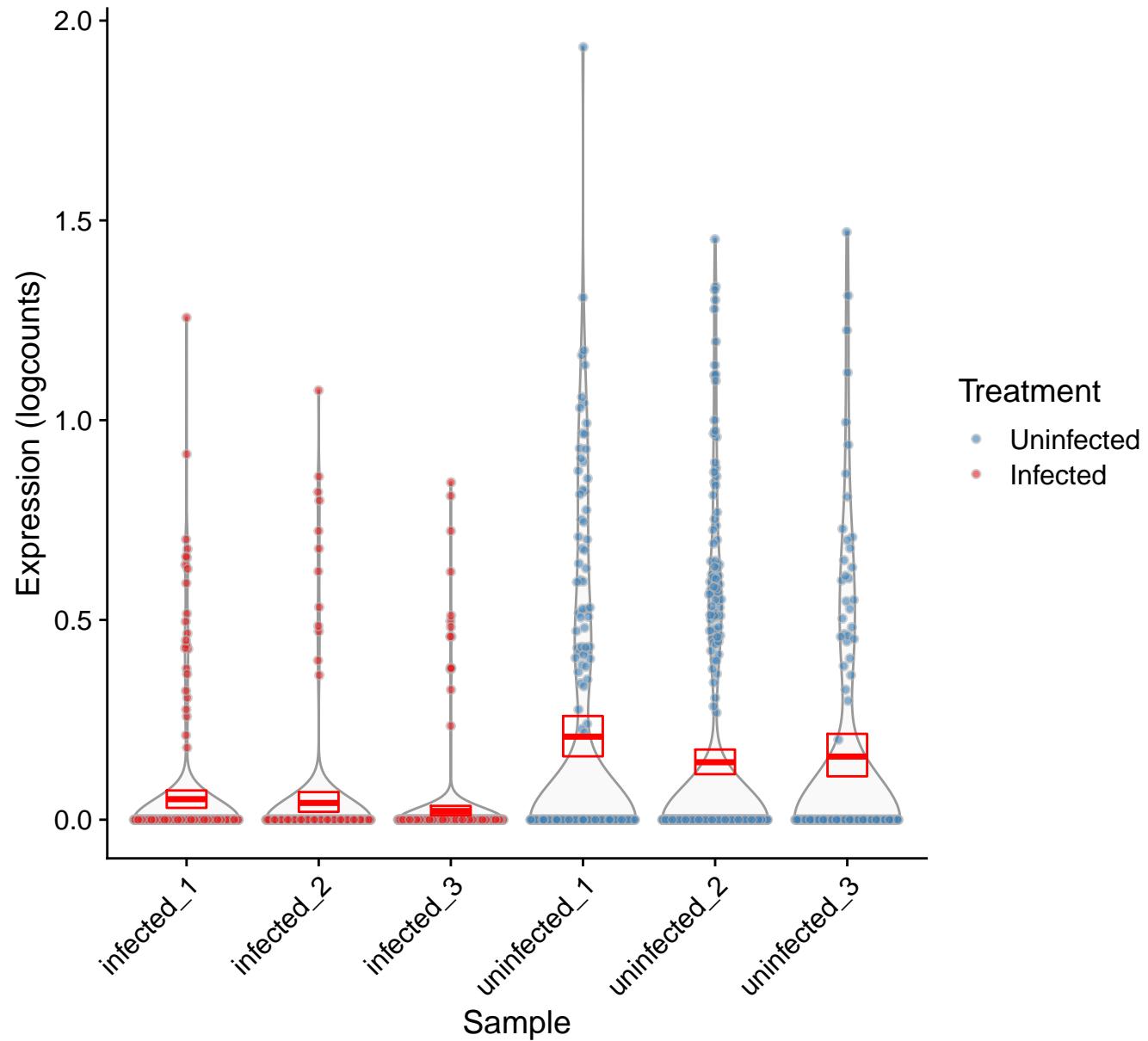
# LHFPL3 (FDR = 0.002)

cluster\_11



# NDFIP2 (FDR = 0.002)

cluster\_11



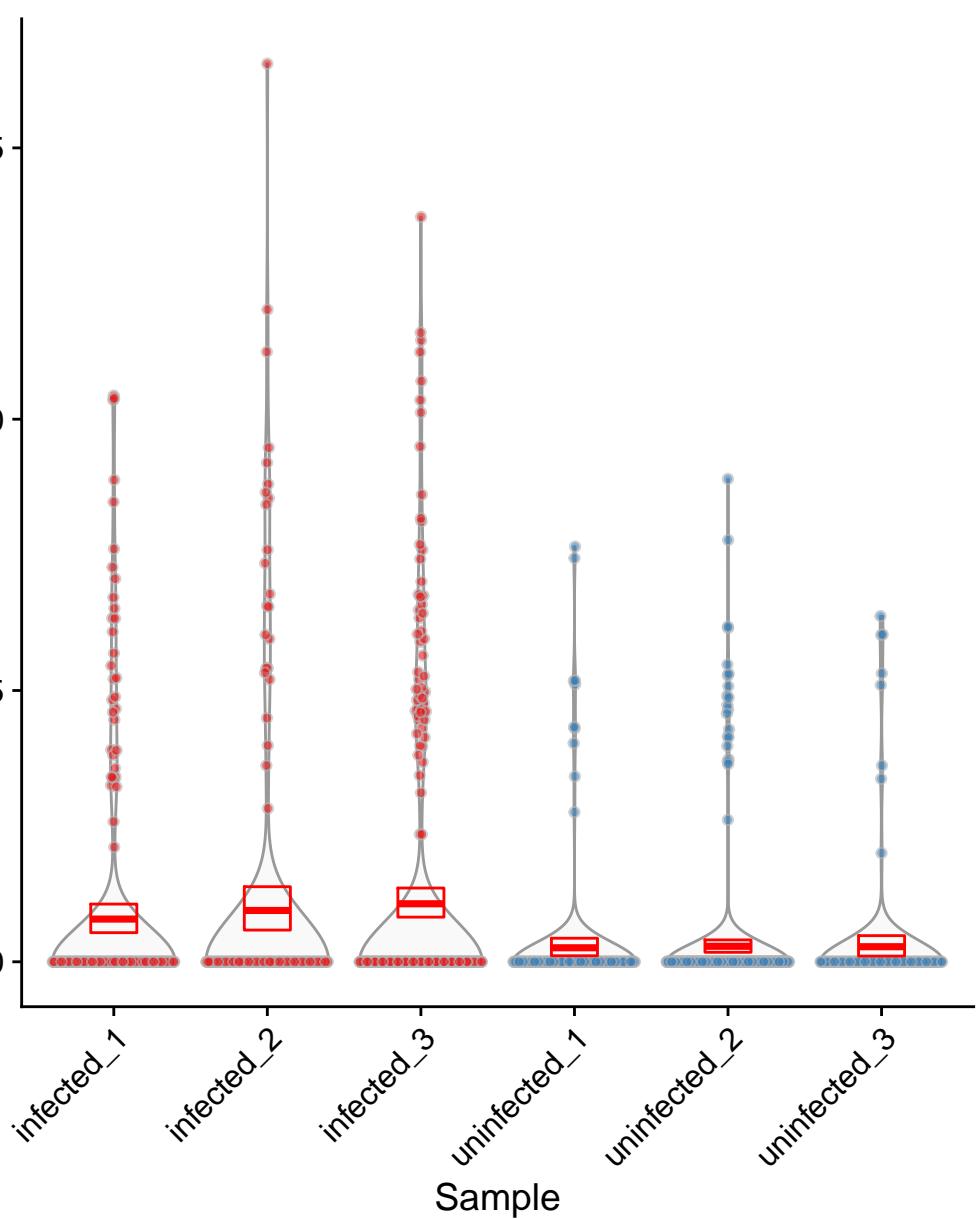
# CCNE1 (FDR = 0.002)

cluster\_11

Expression (logcounts)

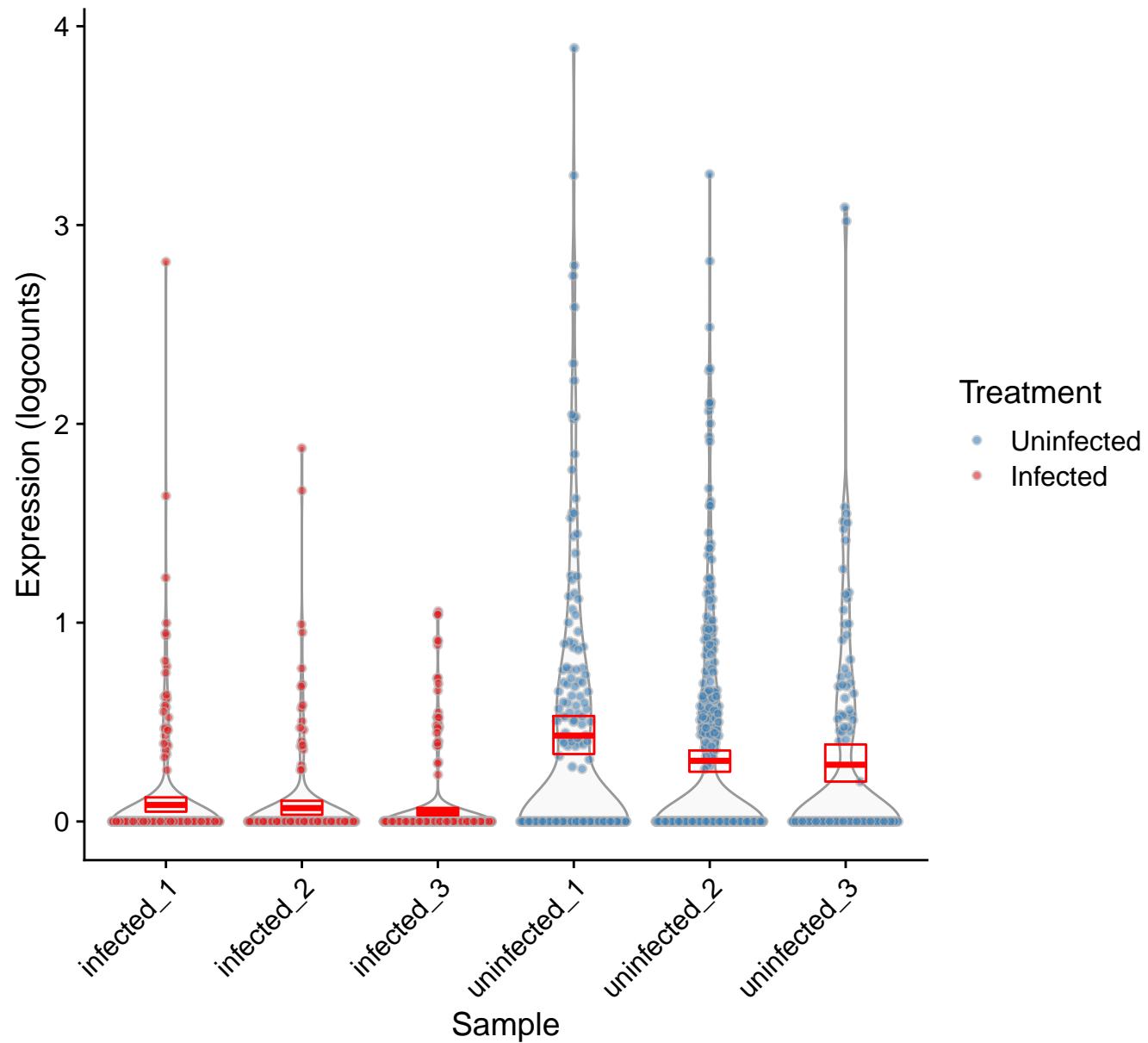
Treatment

- Uninfected
- Infected



# LTA (FDR = 0.002)

cluster\_11



# CAMK1 (FDR = 0.002)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

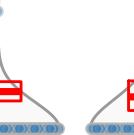
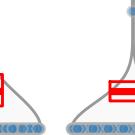
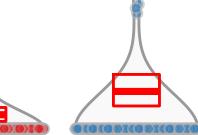
- Uninfected
- Infected

infected\_1

infected\_2

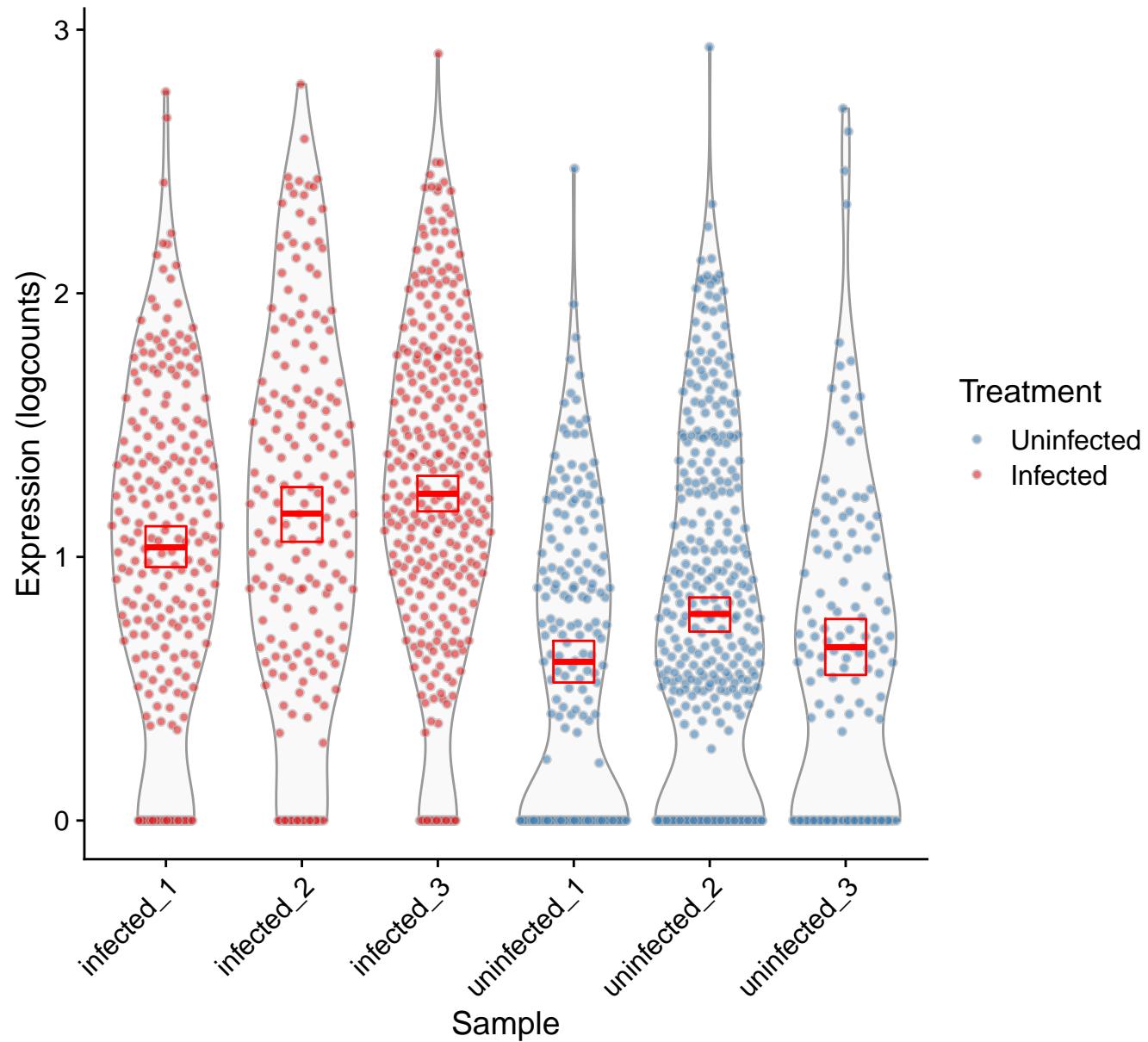
infected\_3

Sample



# DSTN (FDR = 0.003)

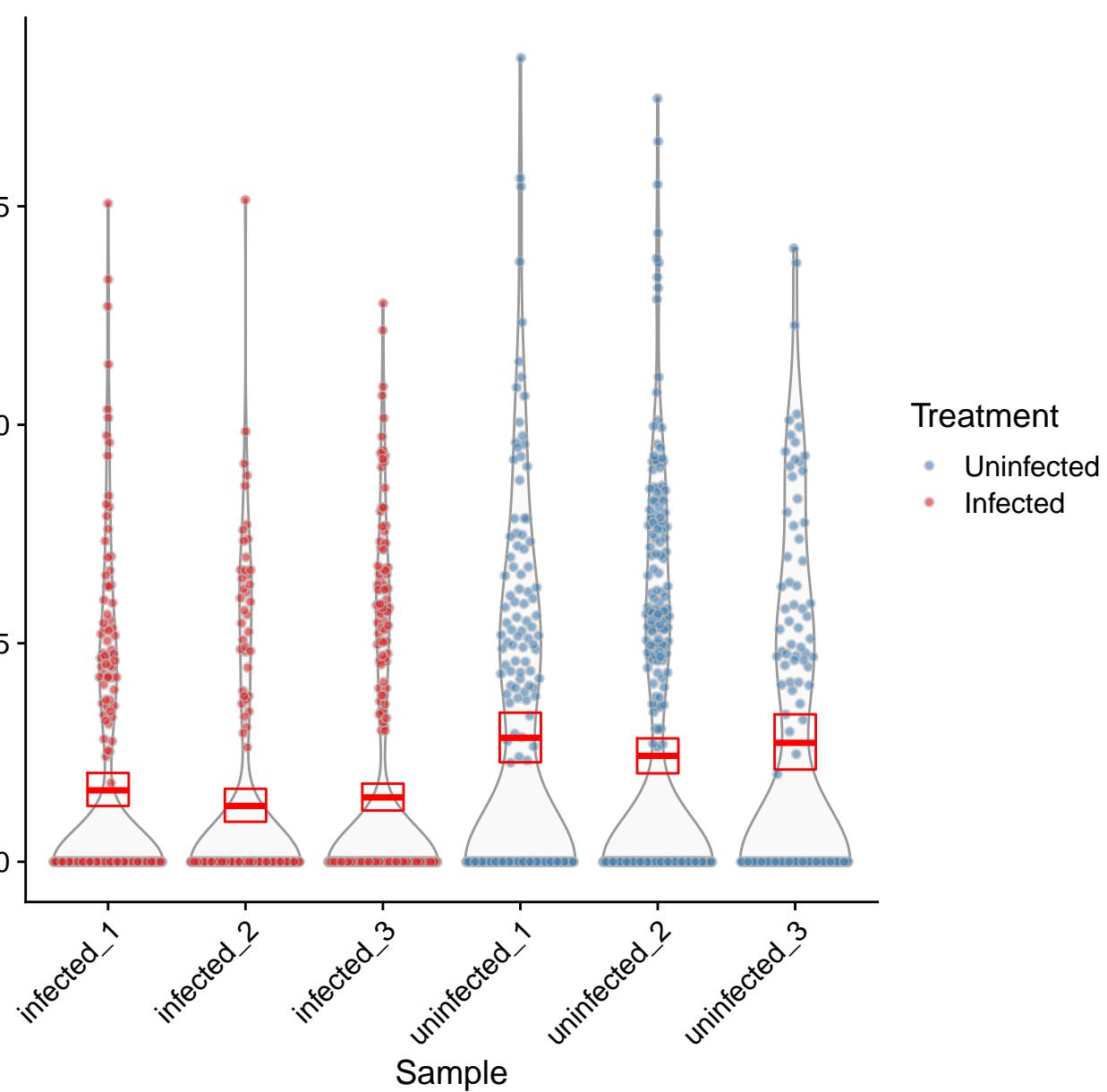
cluster\_11



# TMEM263 (FDR = 0.003)

cluster\_11

Expression (logcounts)



# SAMHD1 (FDR = 0.003)

cluster\_11

Expression (logcounts)

3

2

1

0

infected\_1

infected\_2

infected\_3

uninfected\_1

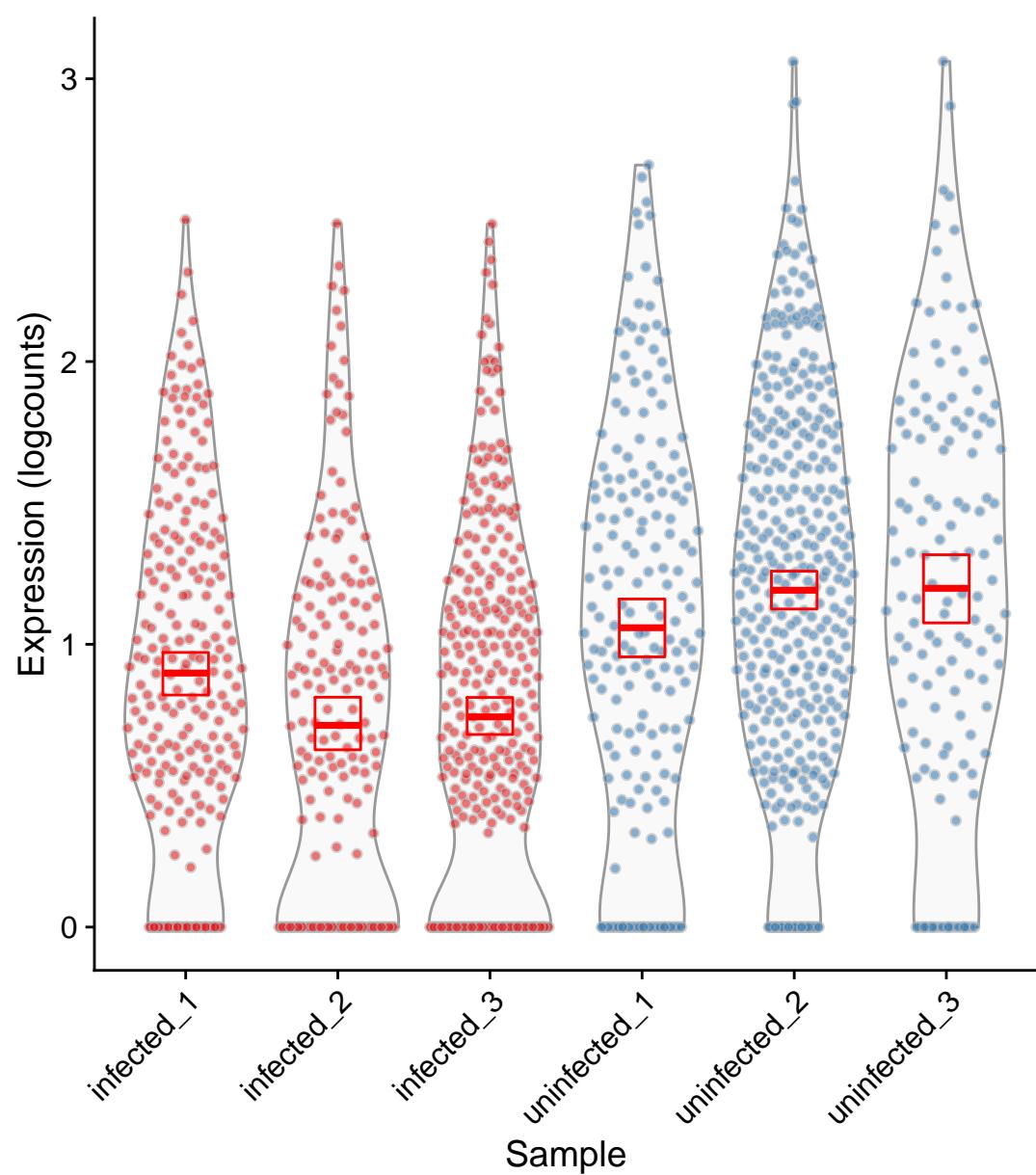
uninfected\_2

uninfected\_3

Sample

Treatment

- Uninfected
- Infected



# TSPAN14 (FDR = 0.003)

cluster\_11

Expression (logcounts)

3

2

1

0

infected\_1

infected\_2

infected\_3

Sample

3.2

2.6

2.0

1.4

0.8

0.2

0.0

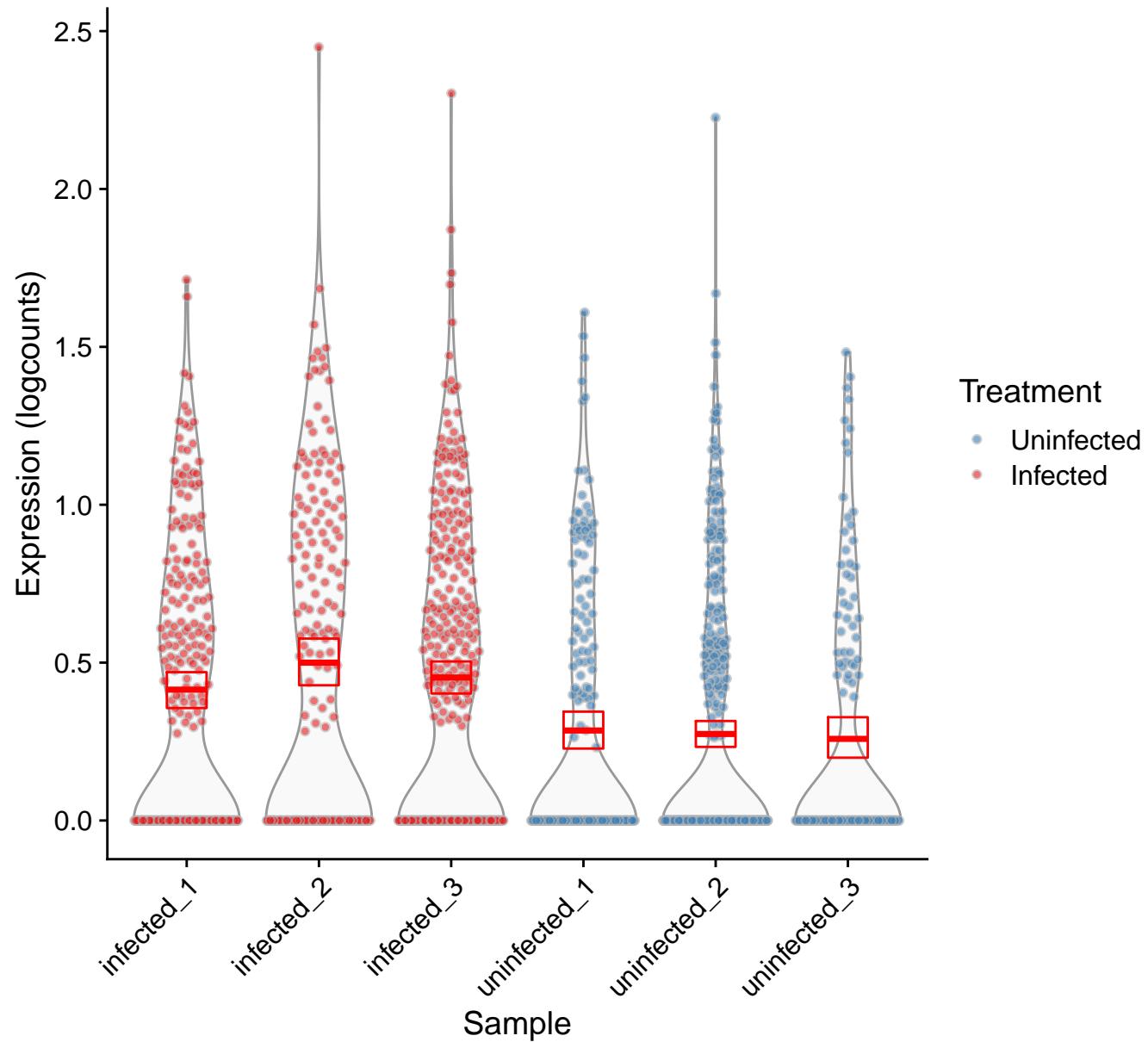
Treatment

- Uninfected
- Infected

infected\_1  
infected\_2  
infected\_3  
uninfected\_1  
uninfected\_2  
uninfected\_3

# JAKMIP1 (FDR = 0.003)

cluster\_11



# BCL7A (FDR = 0.003)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

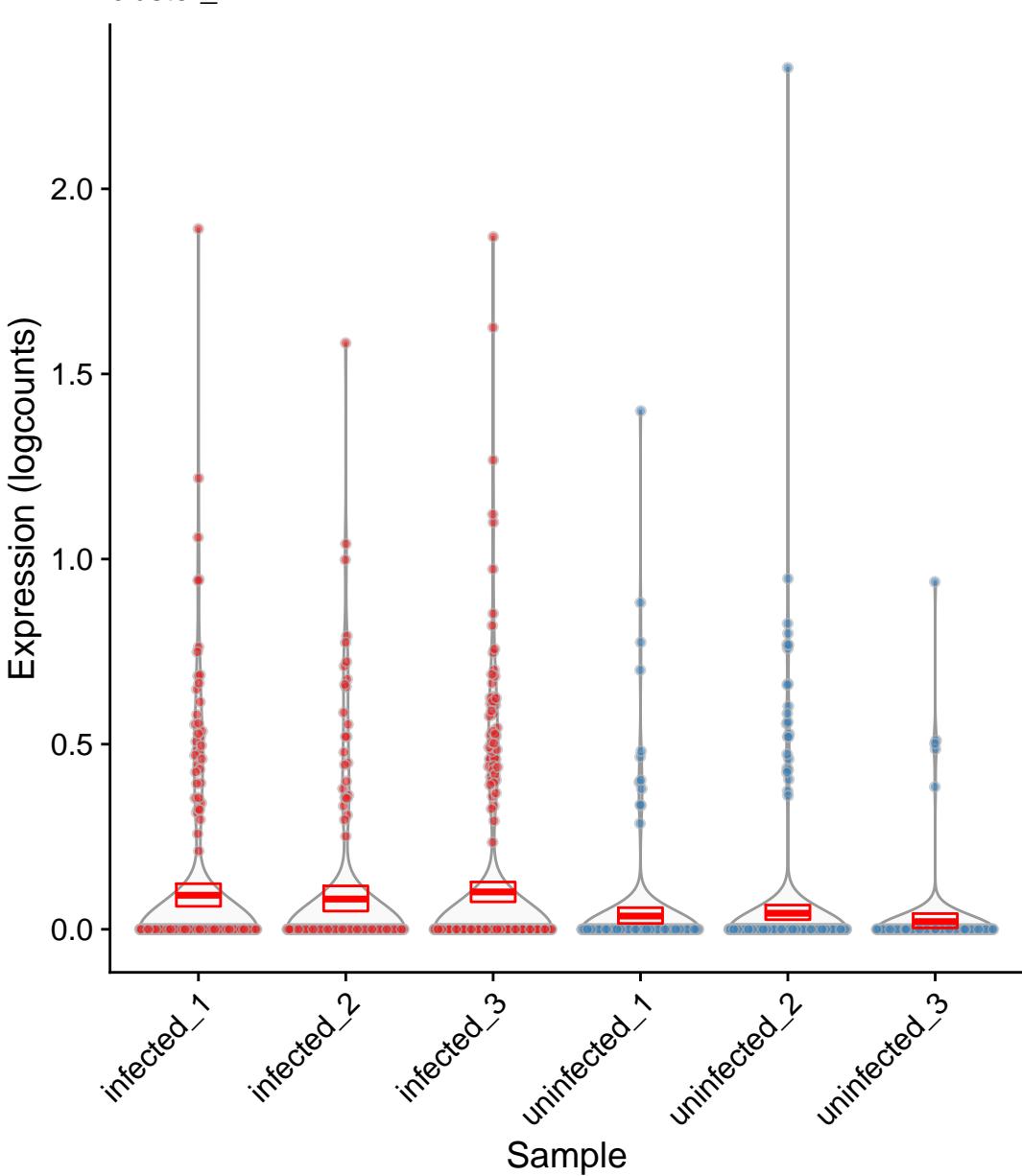
infected\_3

Sample

uninfected\_1

uninfected\_2

uninfected\_3



# GLRX (FDR = 0.003)

cluster\_11

Expression (logcounts)

3

2

1

0

infected\_1

infected\_2

infected\_3

uninfected\_1

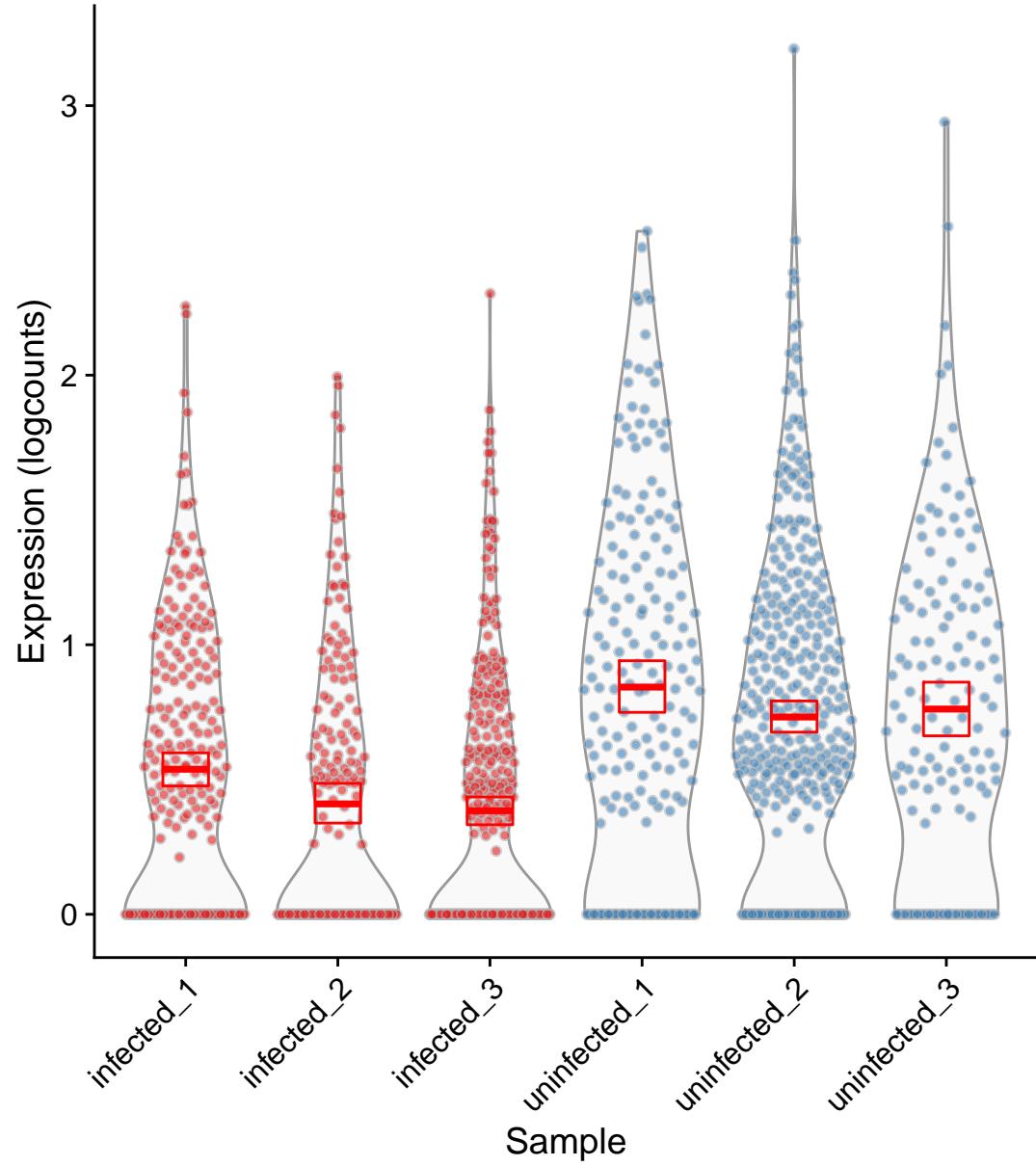
uninfected\_2

uninfected\_3

Sample

Treatment

- Uninfected
- Infected



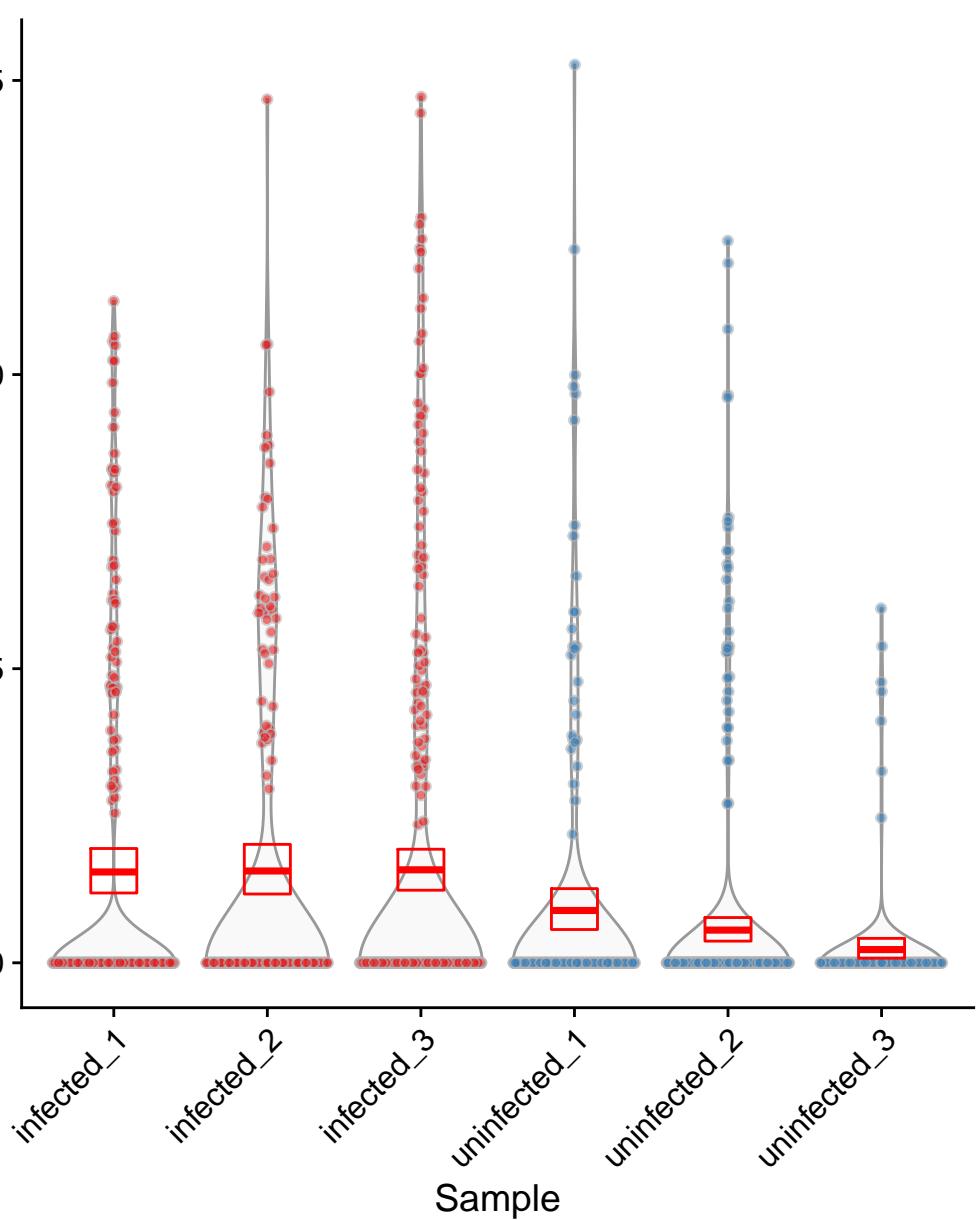
# AIM2 (FDR = 0.003)

cluster\_11

Expression (logcounts)

Treatment

- Uninfected
- Infected



# METTL8 (FDR = 0.003)

cluster\_11

Expression (logcounts)

2.0

1.5

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

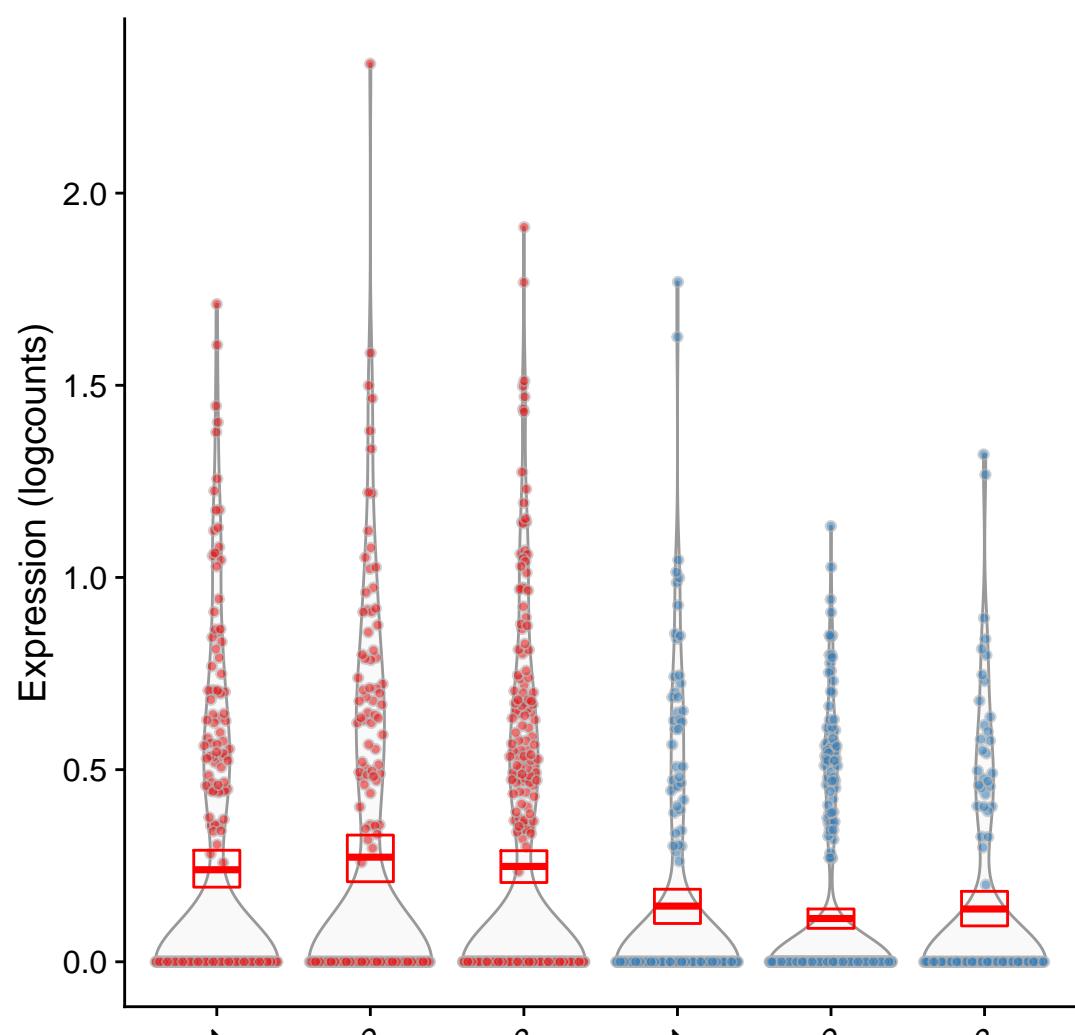
infected\_3

Sample

uninfected\_1

uninfected\_2

uninfected\_3



# PHTF2 (FDR = 0.003)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

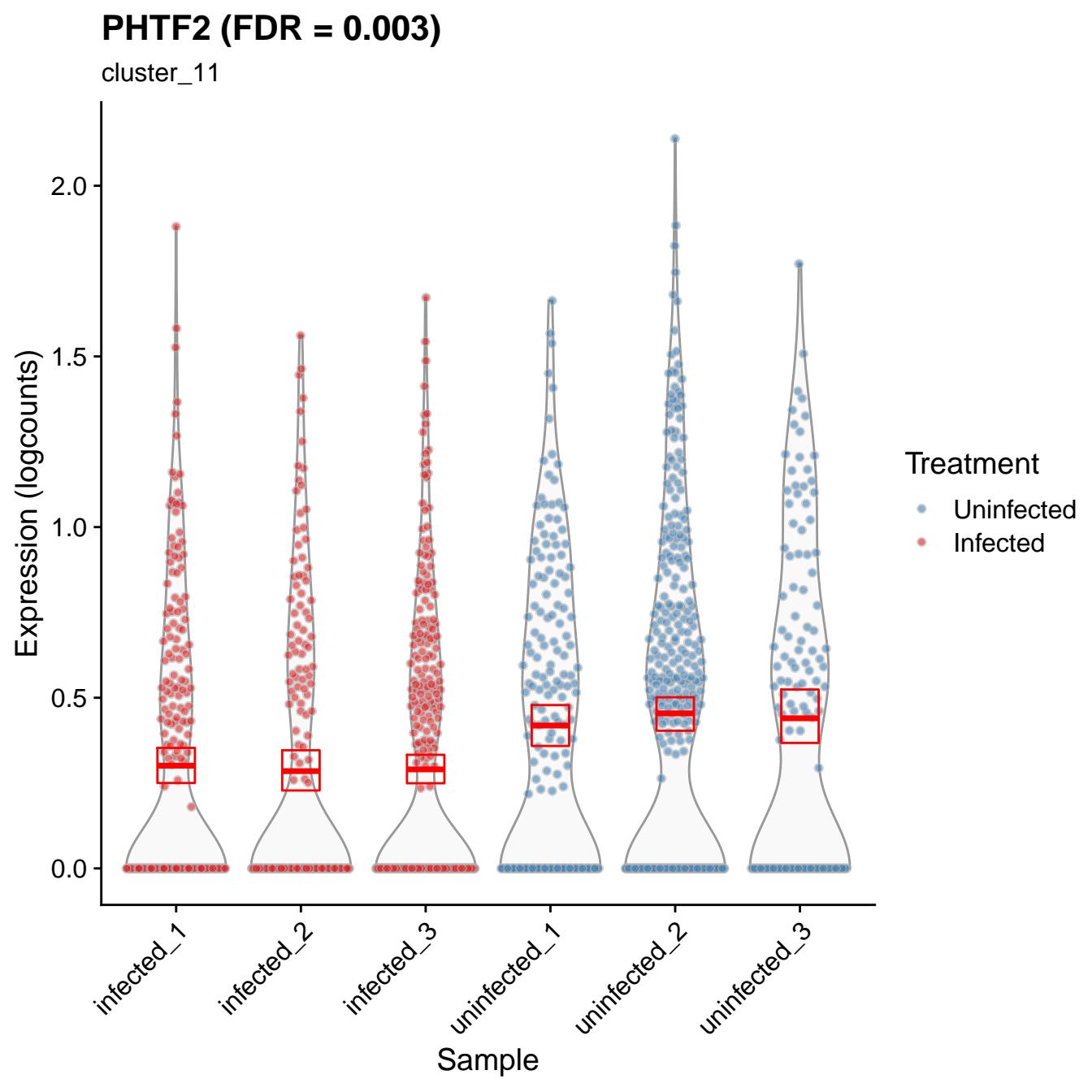
infected\_3

Sample

uninfected\_1

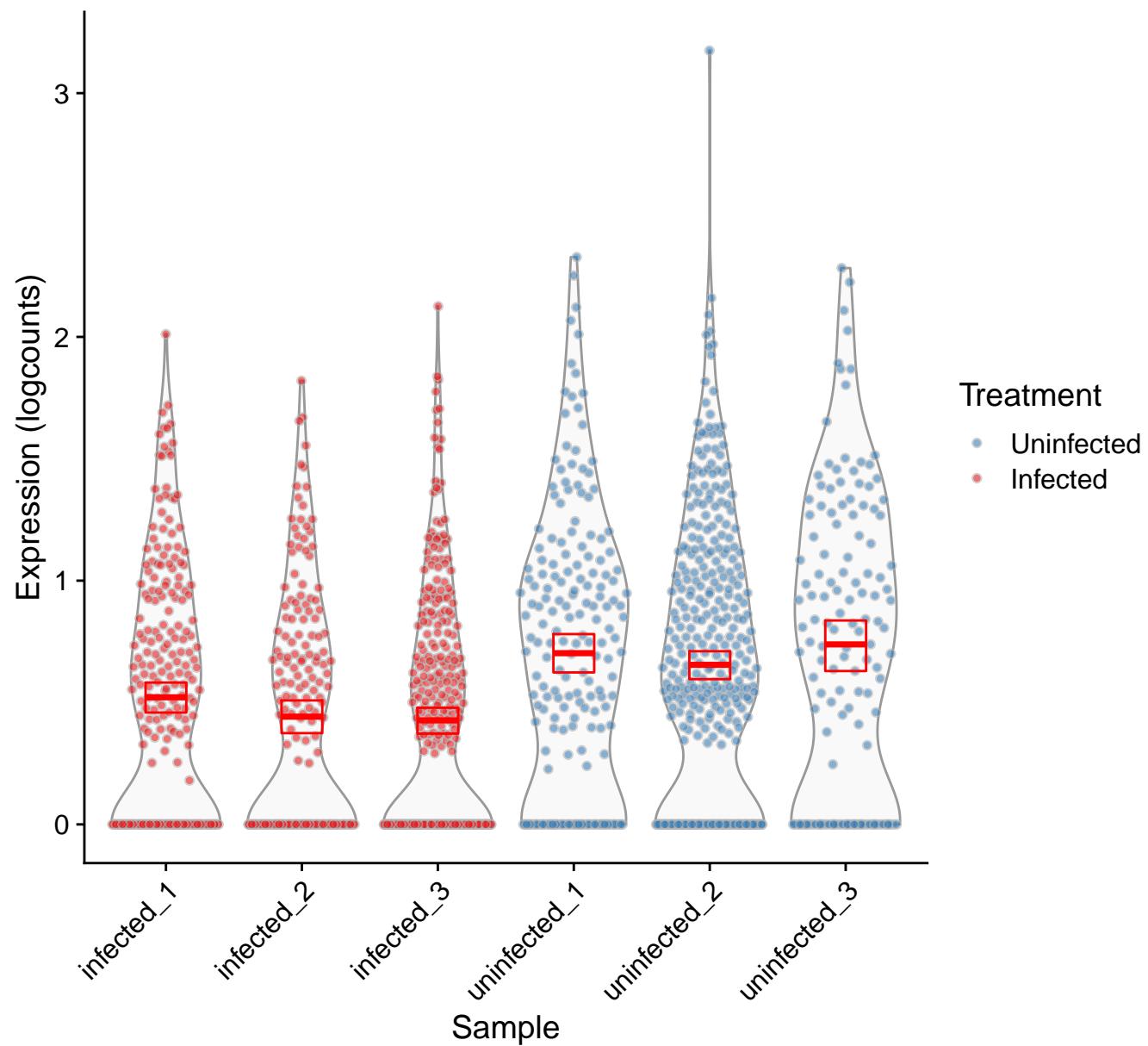
uninfected\_2

uninfected\_3



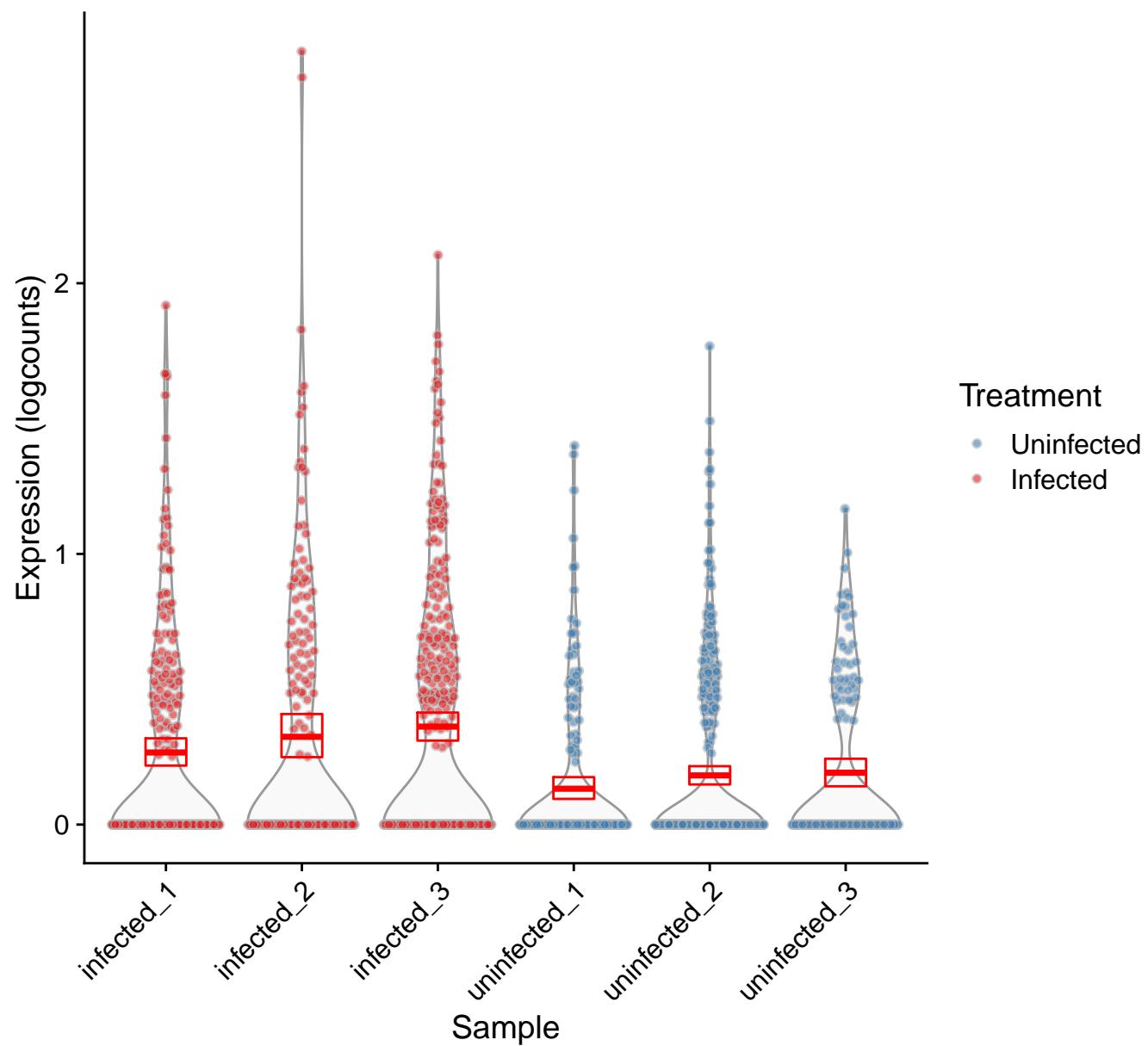
# ETHE1 (FDR = 0.004)

cluster\_11



# AHI1 (FDR = 0.004)

cluster\_11



# LINC01891 (FDR = 0.004)

cluster\_11

Expression (logcounts)

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

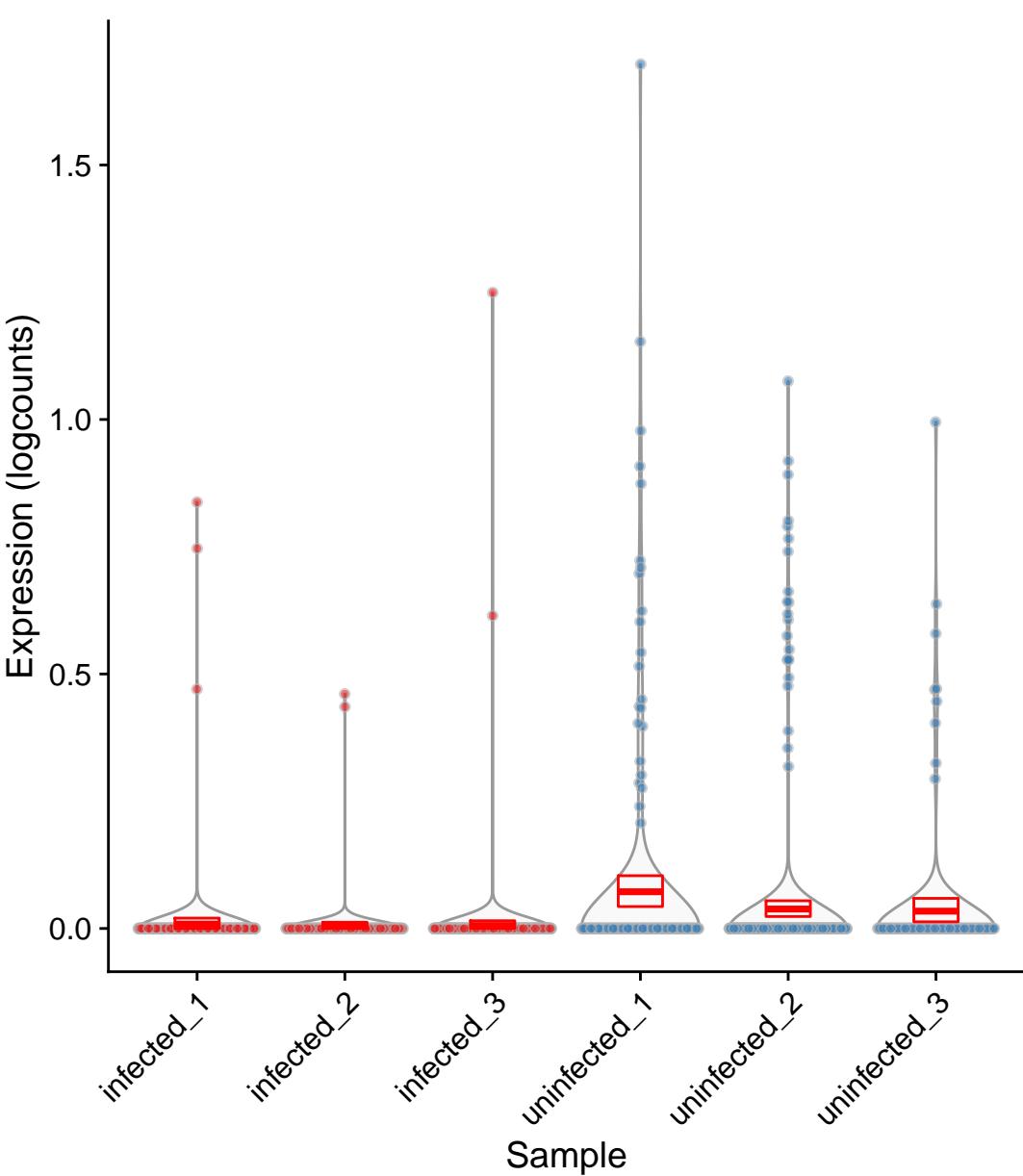
infected\_3

Sample

uninfected\_1

uninfected\_2

uninfected\_3



# FOXP1 (FDR = 0.004)

cluster\_11

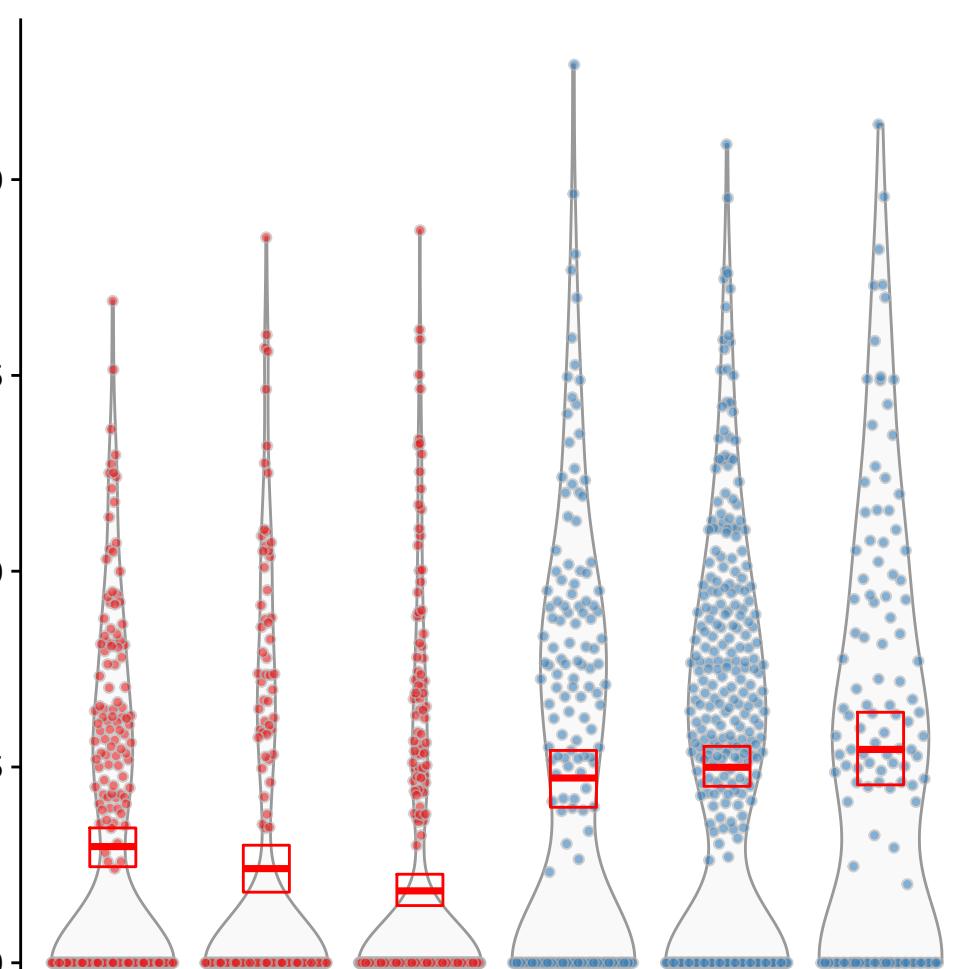
Expression (logcounts)

2.0

1.5

0.5

0.0



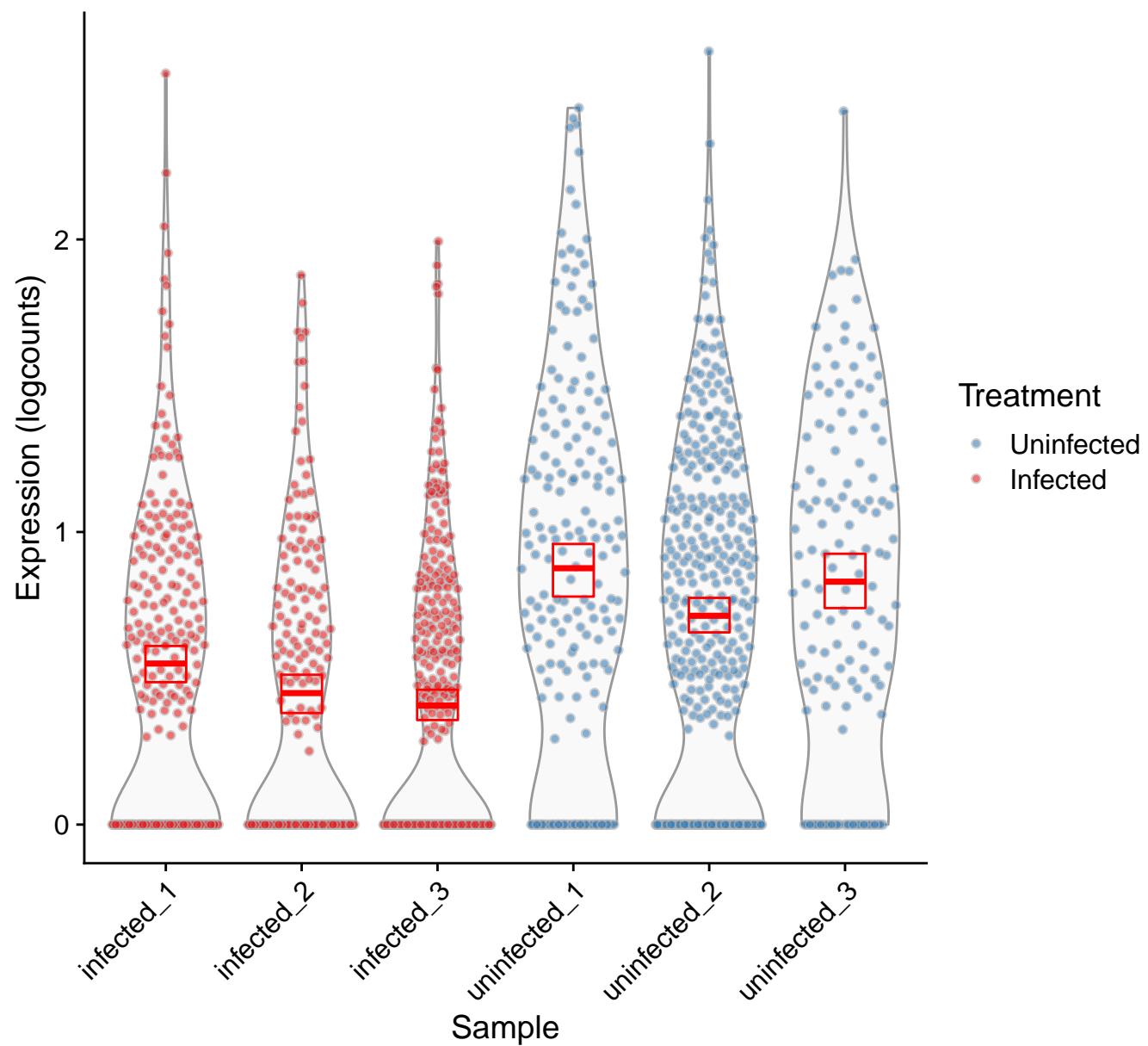
Treatment

- Uninfected
- Infected

Sample

# DNPH1 (FDR = 0.004)

cluster\_11



# CCNA1 (FDR = 0.004)

cluster\_11

Expression (logcounts)

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

infected\_3

Sample

uninfected\_1

uninfected\_2

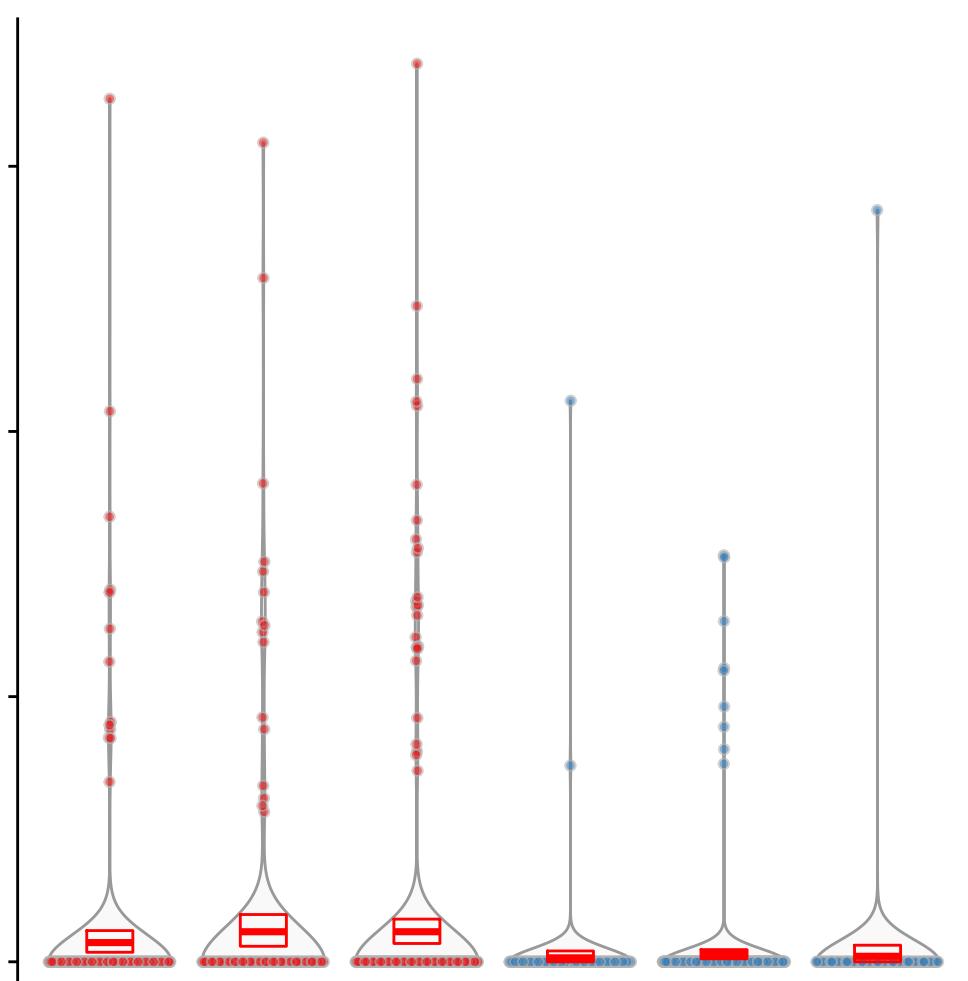
uninfected\_3

1.5

1.0

0.5

0.0



# TRERF1 (FDR = 0.004)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

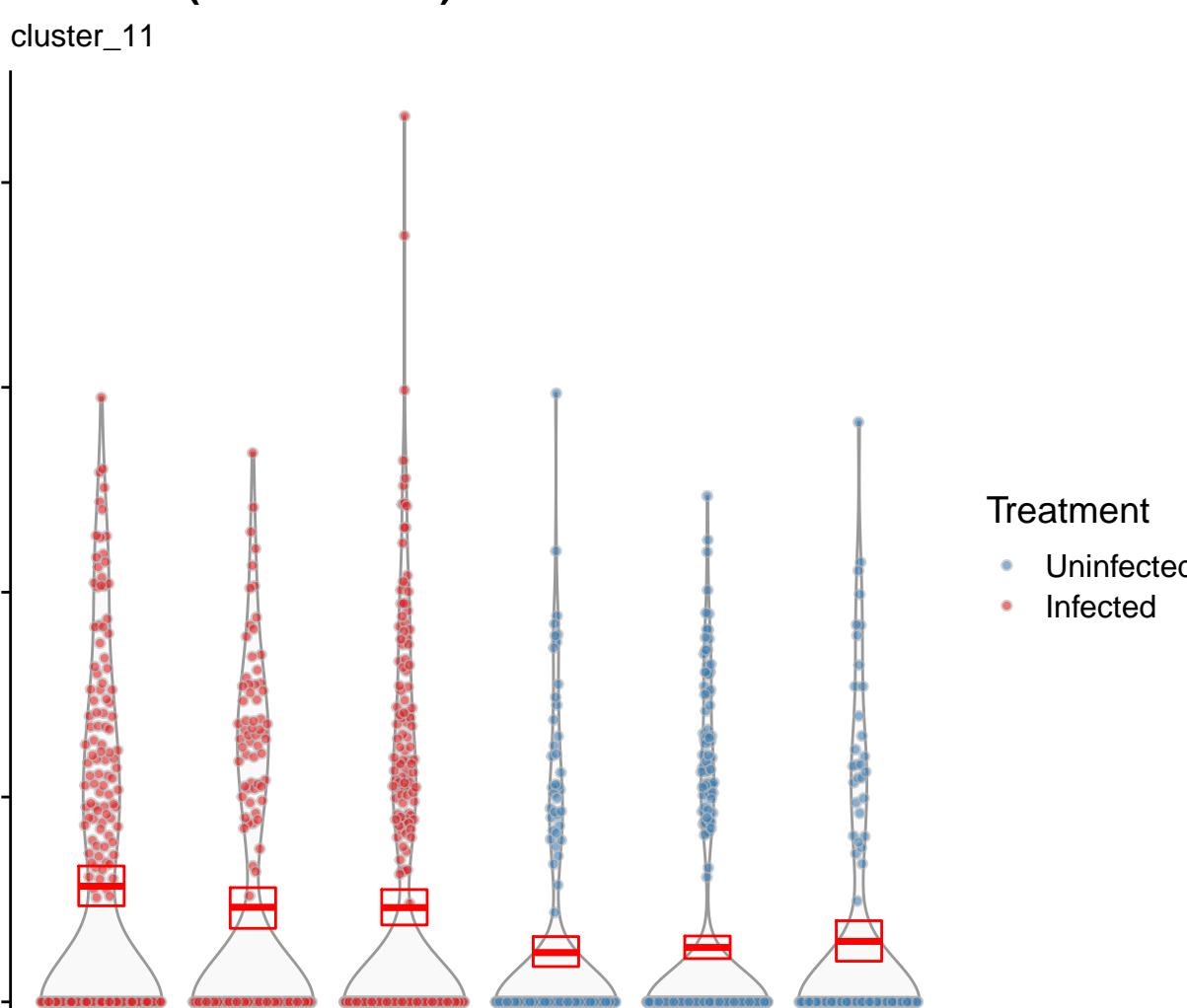
infected\_3

Sample

uninfected\_1

uninfected\_2

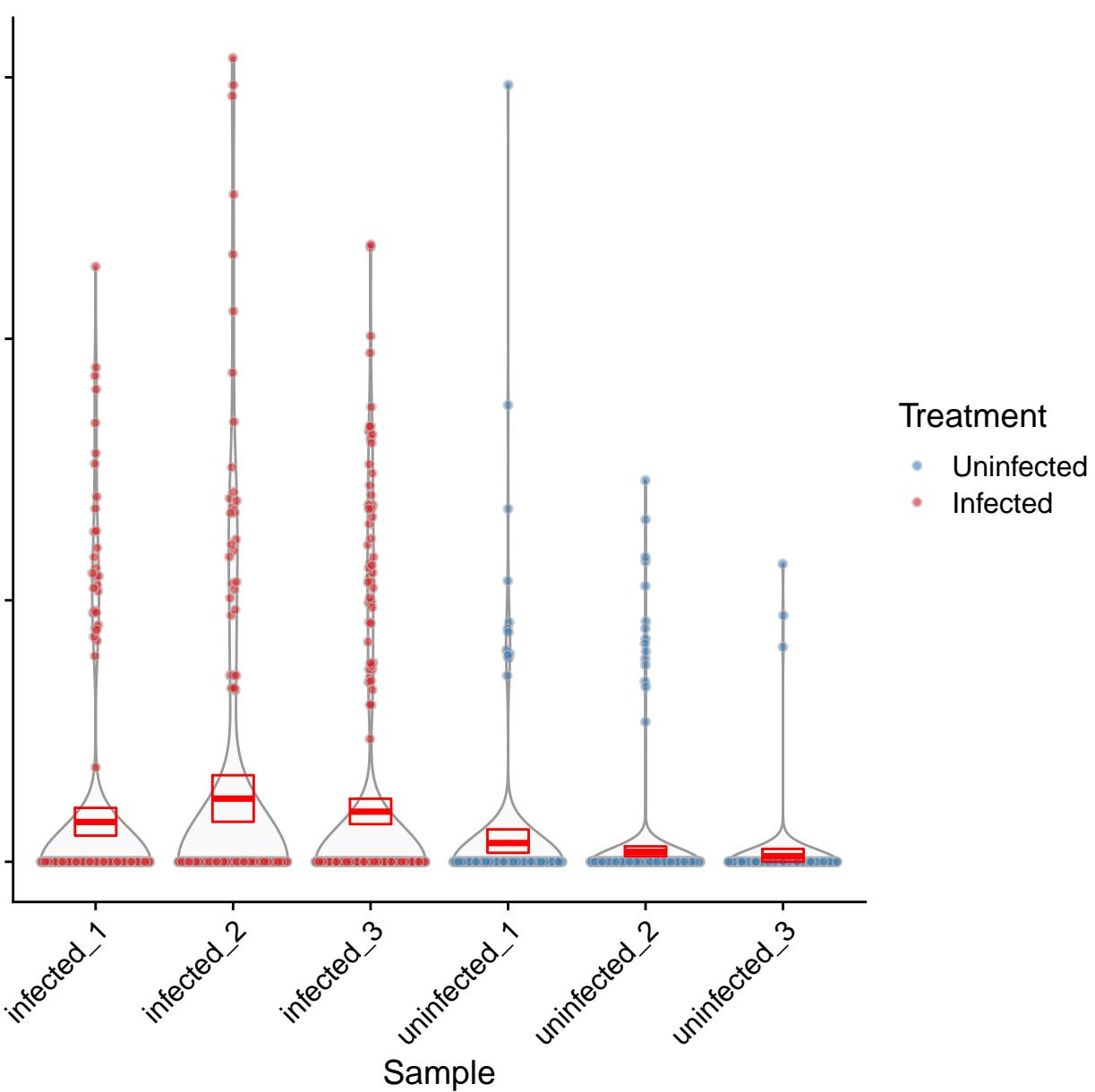
uninfected\_3



# PTPRM (FDR = 0.004)

cluster\_11

Expression (logcounts)



# ATXN1 (FDR = 0.004)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

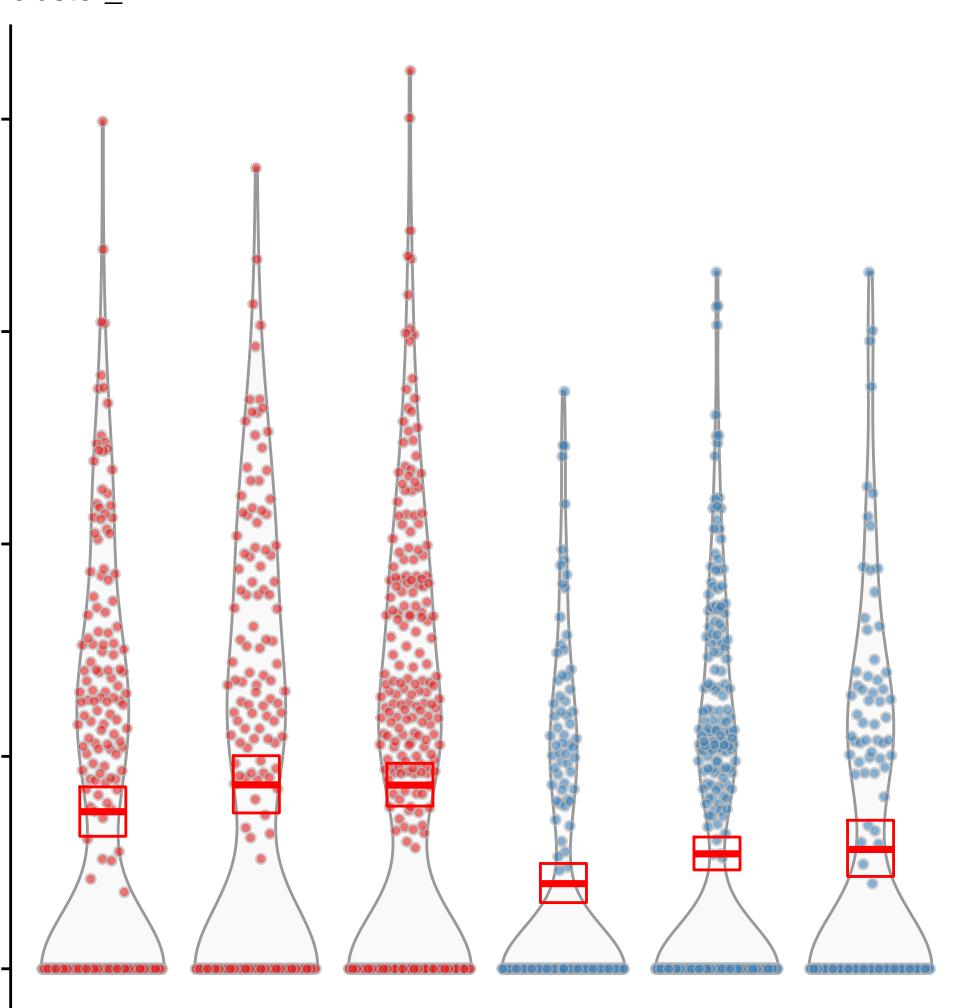
infected\_3

Sample

uninfected\_1

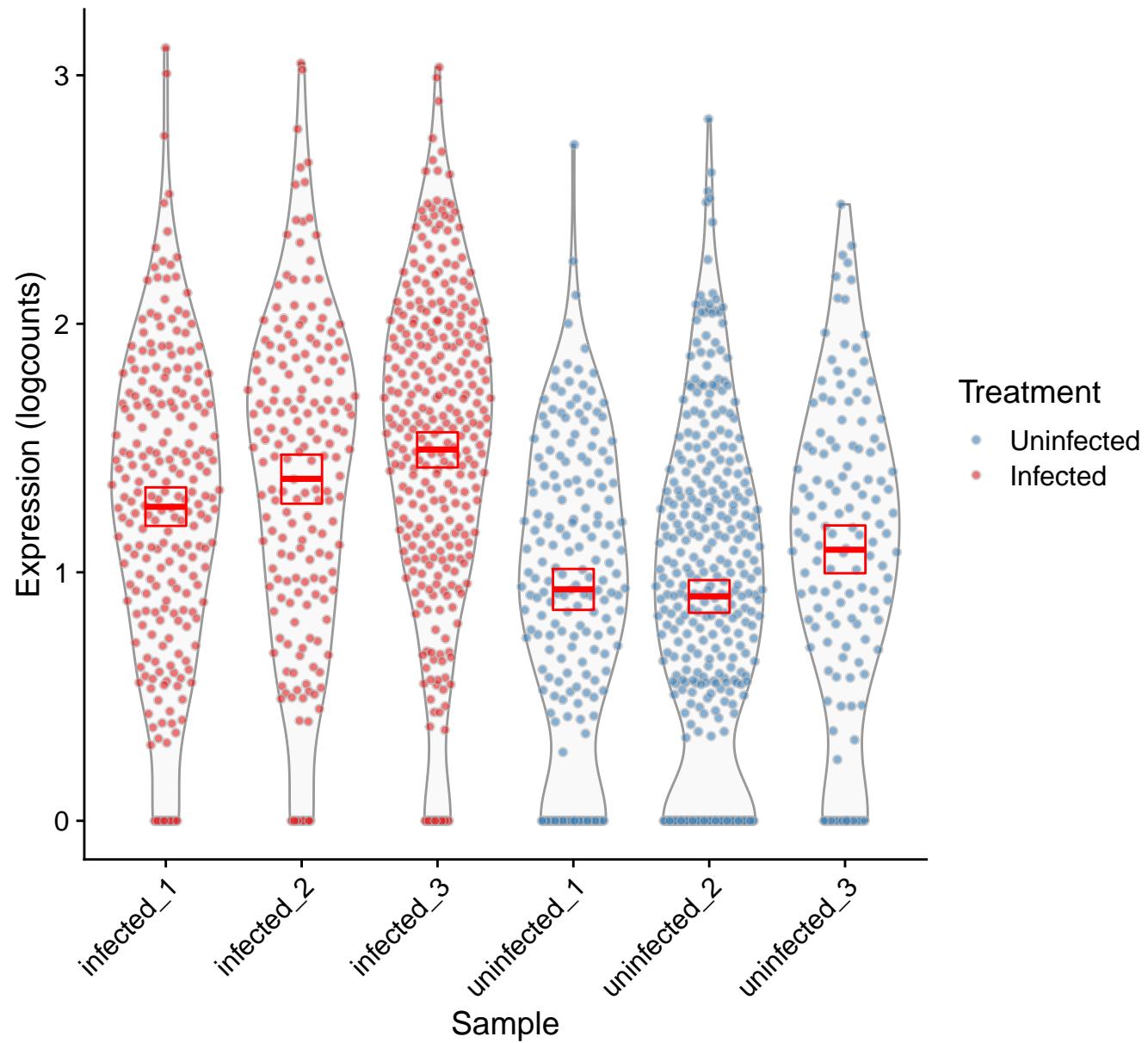
uninfected\_2

uninfected\_3



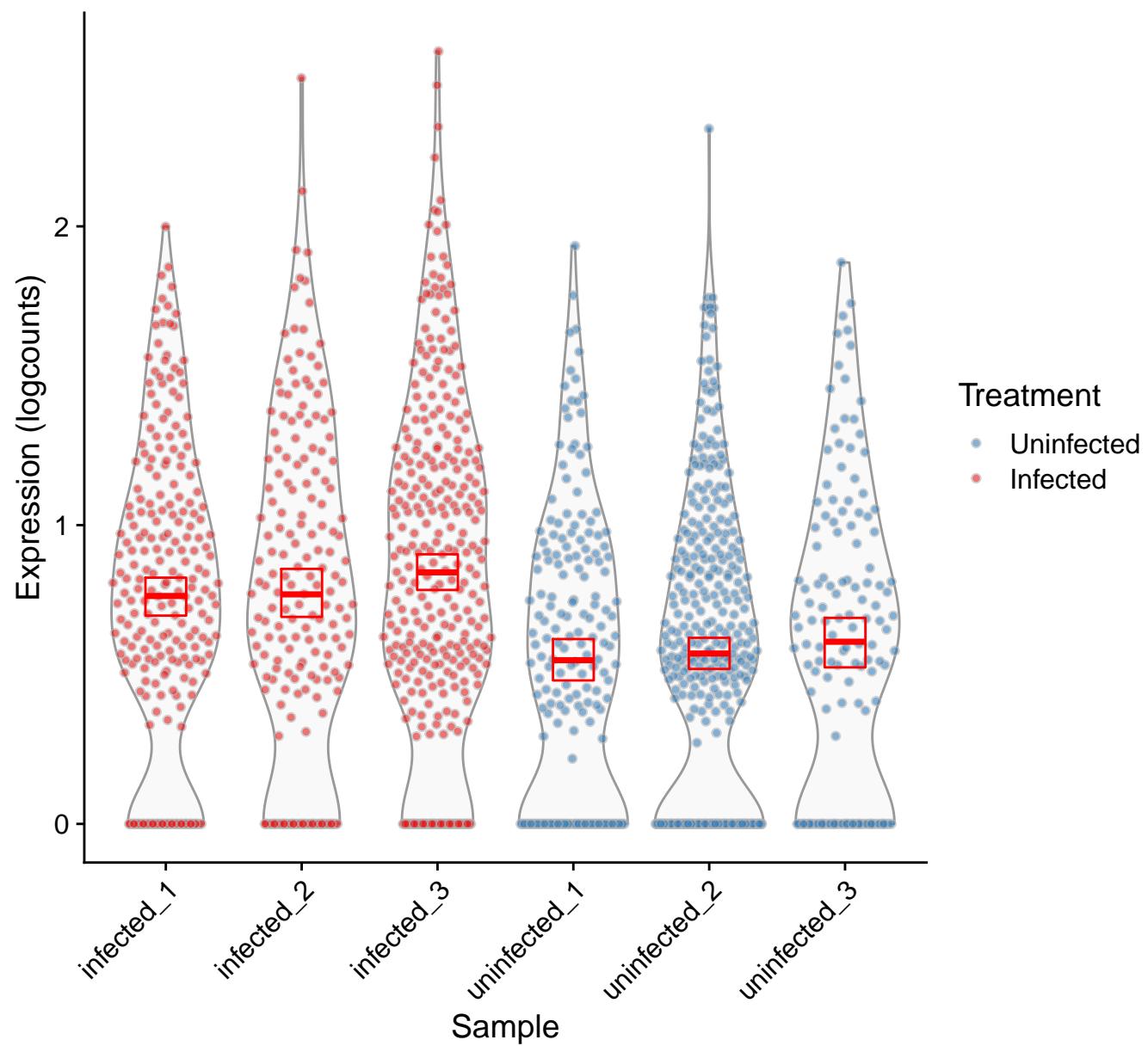
# CTSB (FDR = 0.004)

cluster\_11



# ZBTB8OS (FDR = 0.004)

cluster\_11



# JAG1 (FDR = 0.004)

cluster\_11

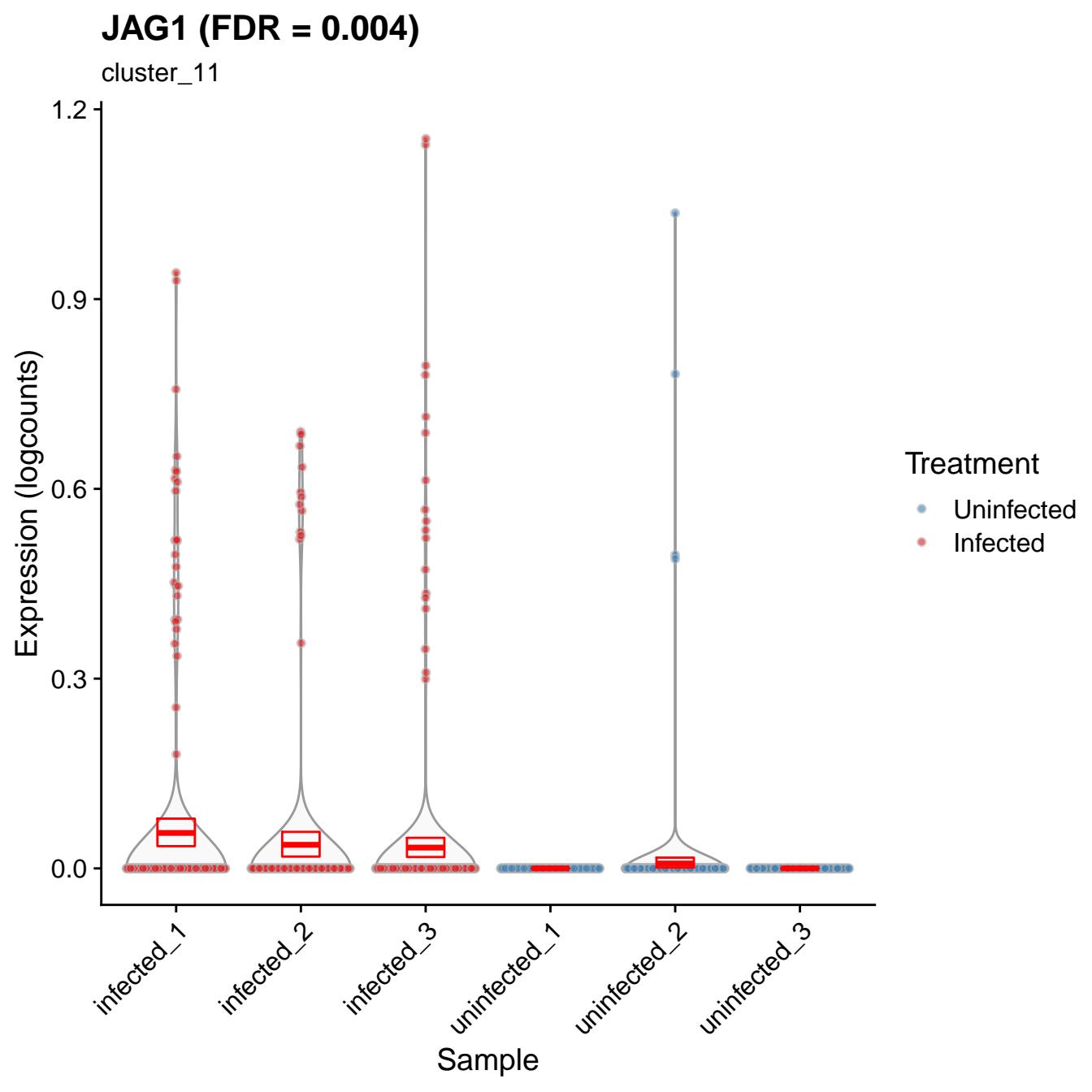
Expression (logcounts)

1.2  
0.9  
0.6  
0.3  
0.0

infected\_1 infected\_2 infected\_3 uninfected\_1 uninfected\_2 uninfected\_3

Sample

Treatment  
Uninfected  
Infected



# DAAM1 (FDR = 0.004)

cluster\_11

Expression (logcounts)

2.5

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

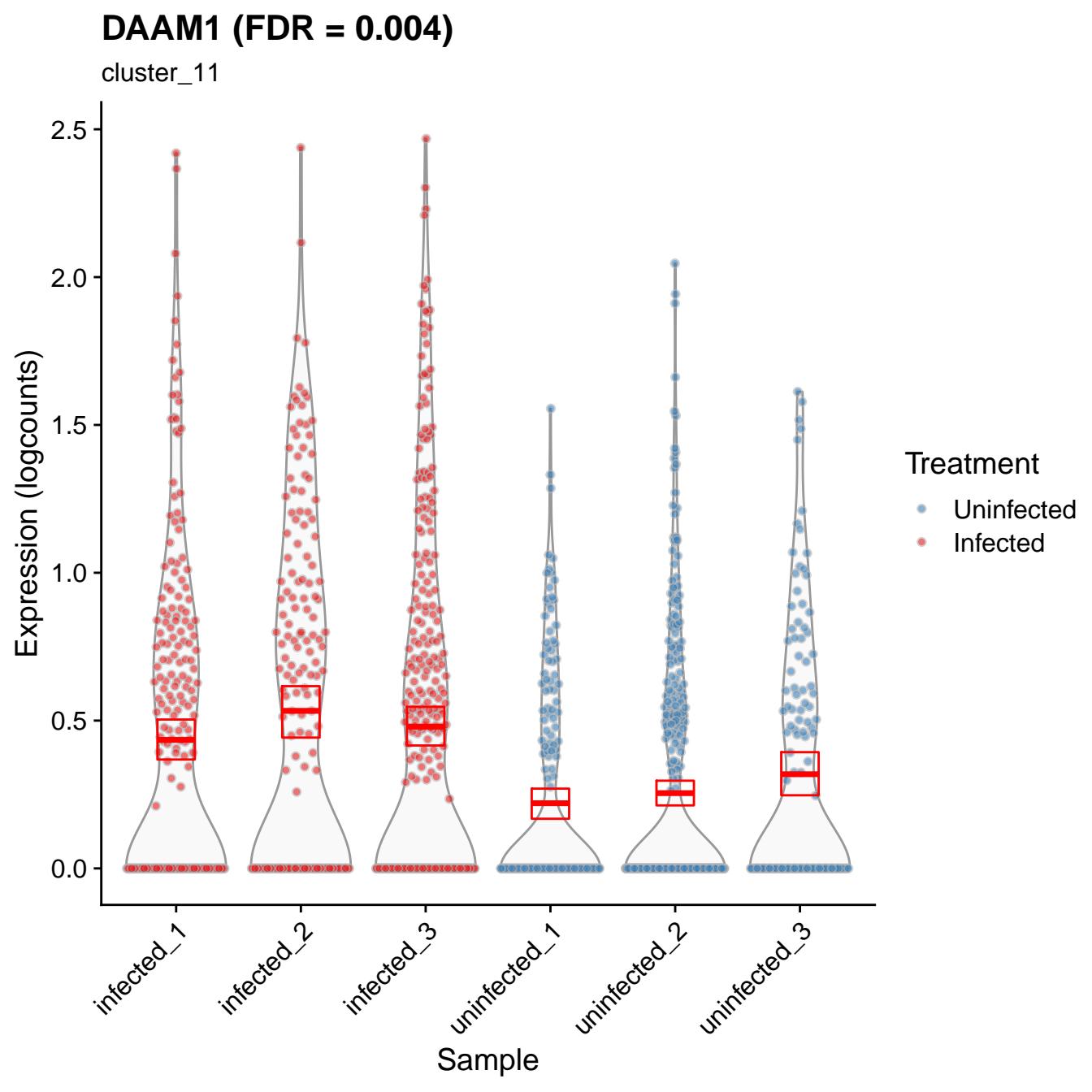
infected\_3

Sample

uninfected\_1

uninfected\_2

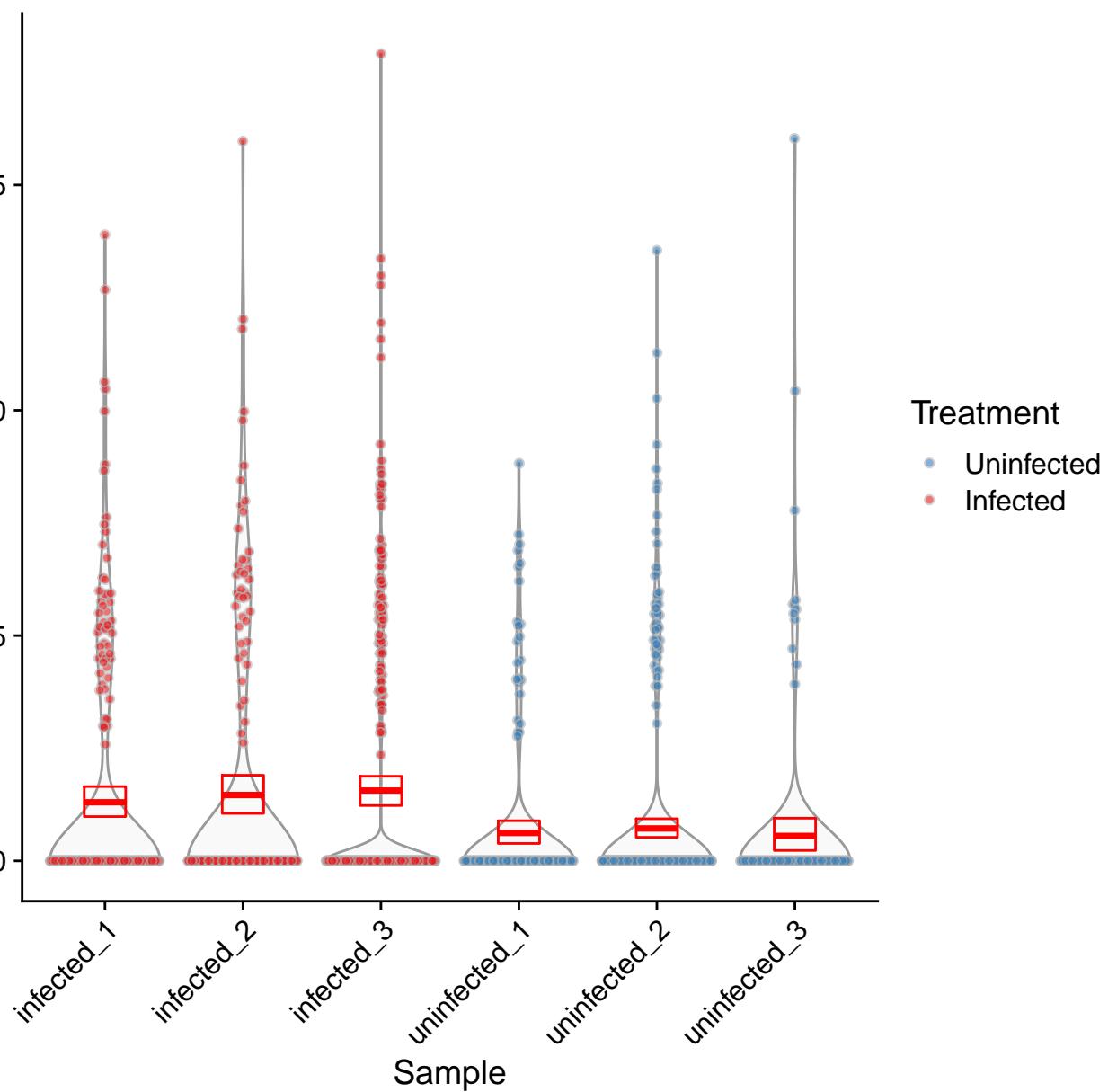
uninfected\_3



# ARSG (FDR = 0.004)

cluster\_11

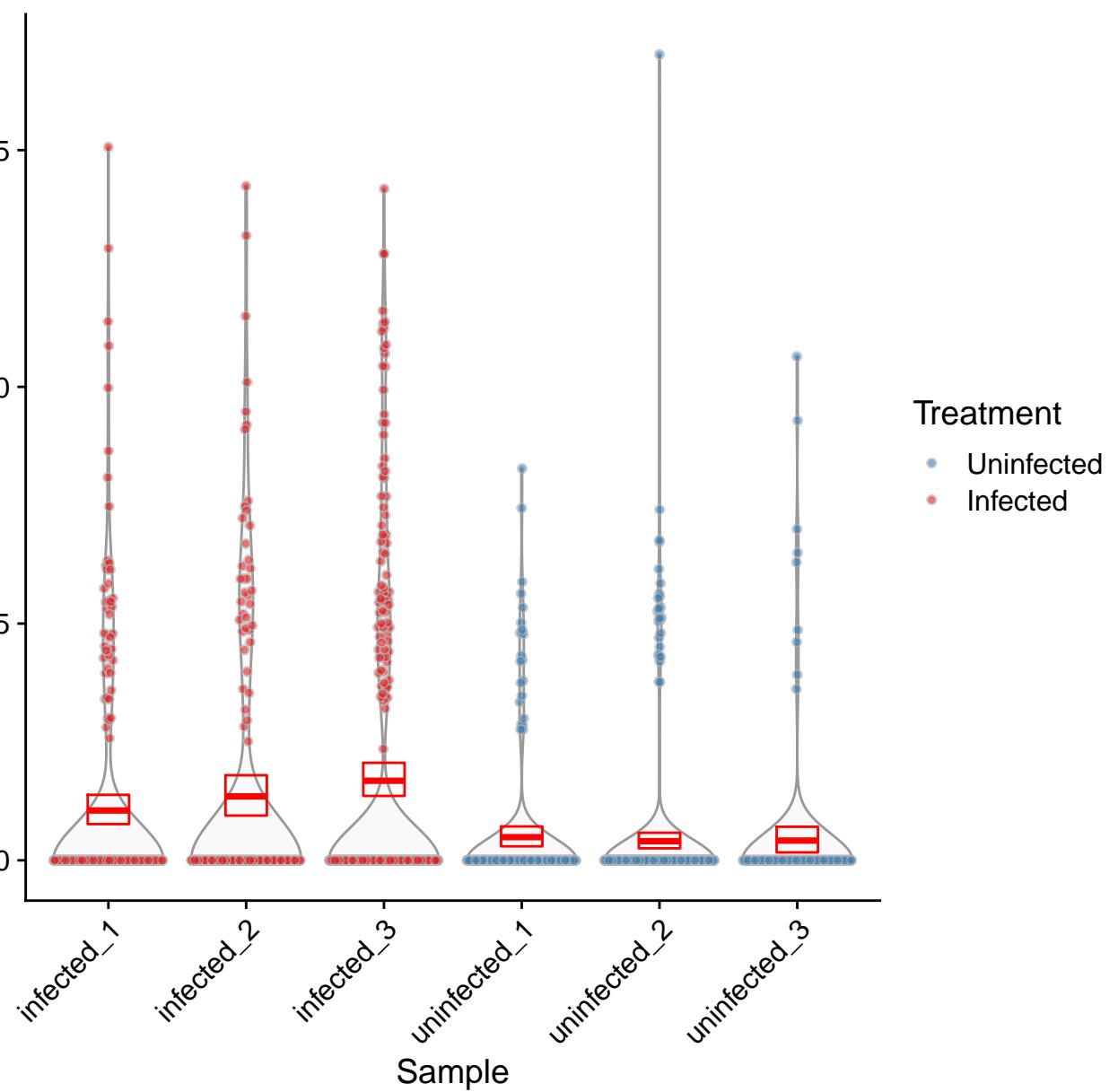
Expression (logcounts)



# FZD6 (FDR = 0.004)

cluster\_11

Expression (logcounts)



# SNAP47 (FDR = 0.004)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

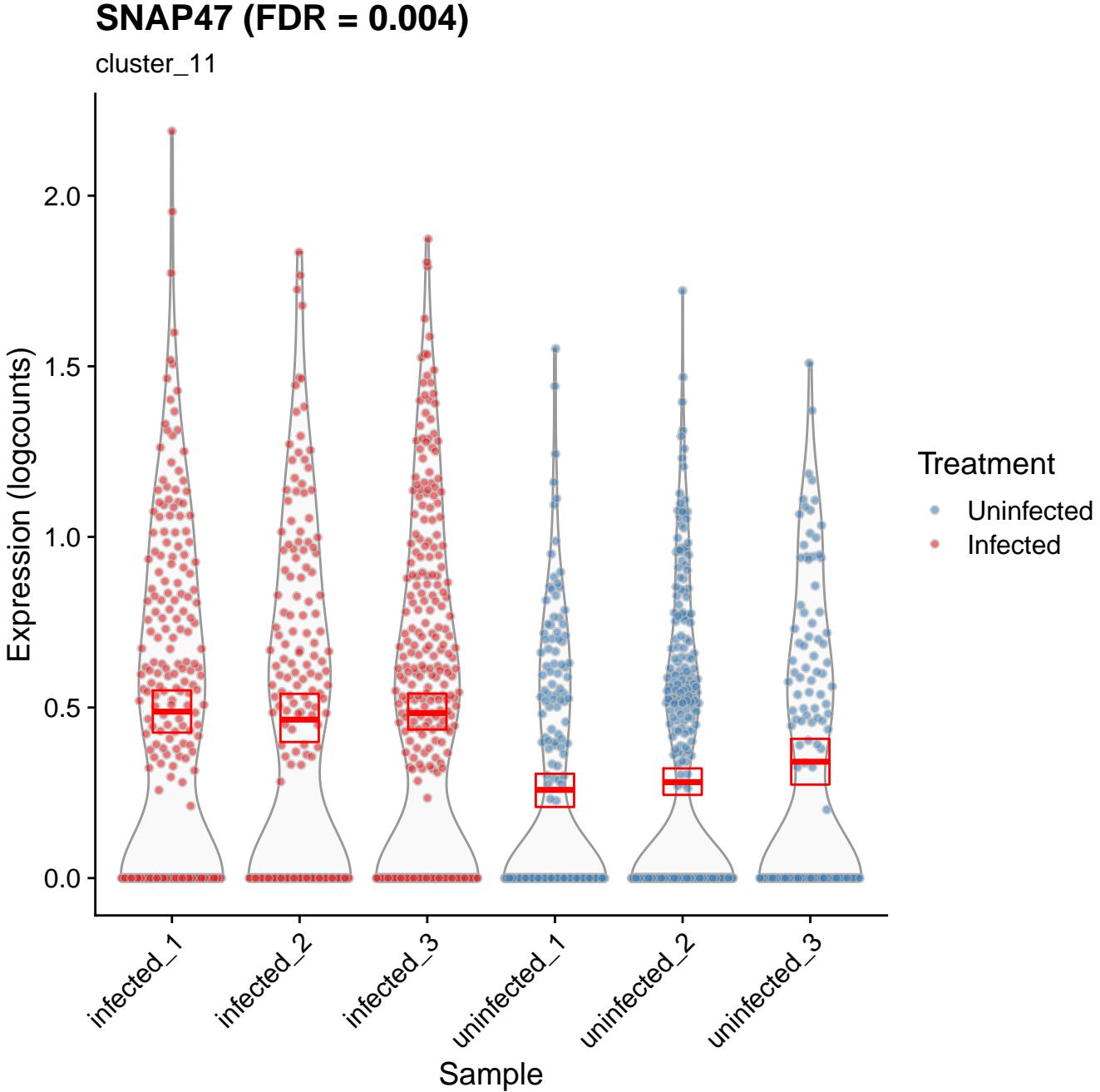
infected\_3

Sample

uninfected\_1

uninfected\_2

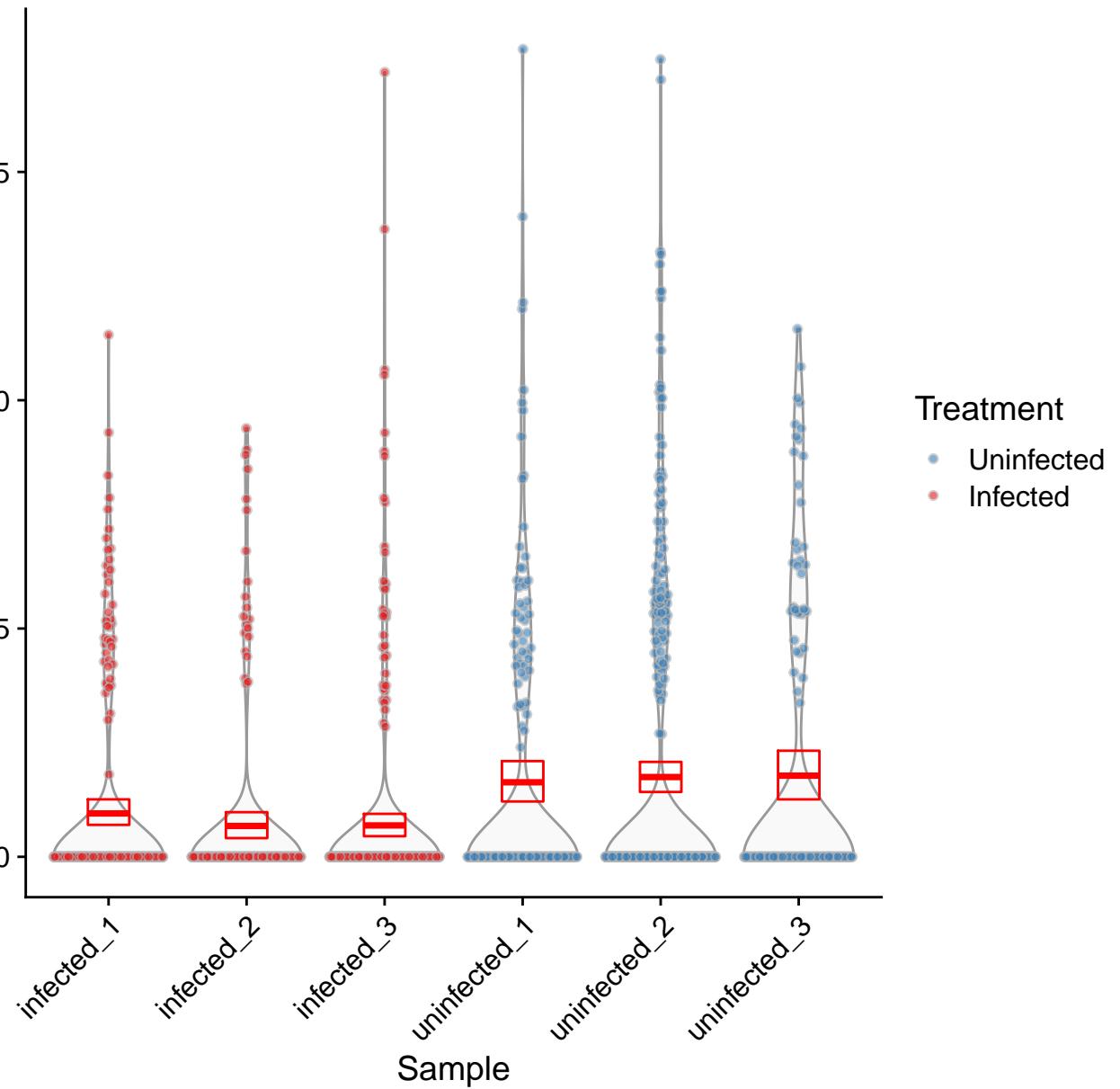
uninfected\_3



# LY96 (FDR = 0.004)

cluster\_11

Expression (logcounts)



# PRR5L (FDR = 0.004)

cluster\_11

Expression (logcounts)

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

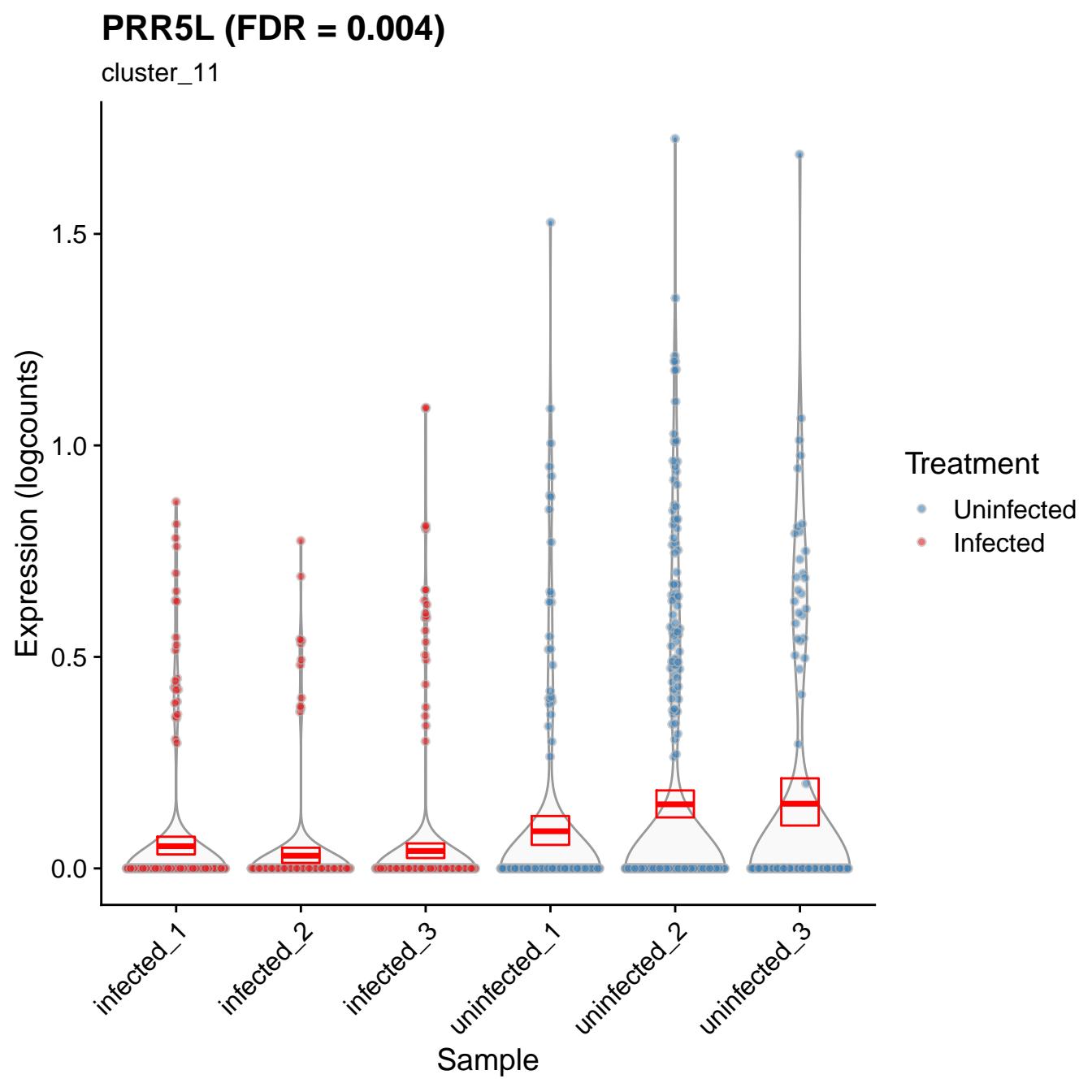
infected\_3

uninfected\_1

uninfected\_2

uninfected\_3

Sample



# LPP (FDR = 0.004)

cluster\_11

Expression (logcounts)

1.5

1.0

0.5

0.0



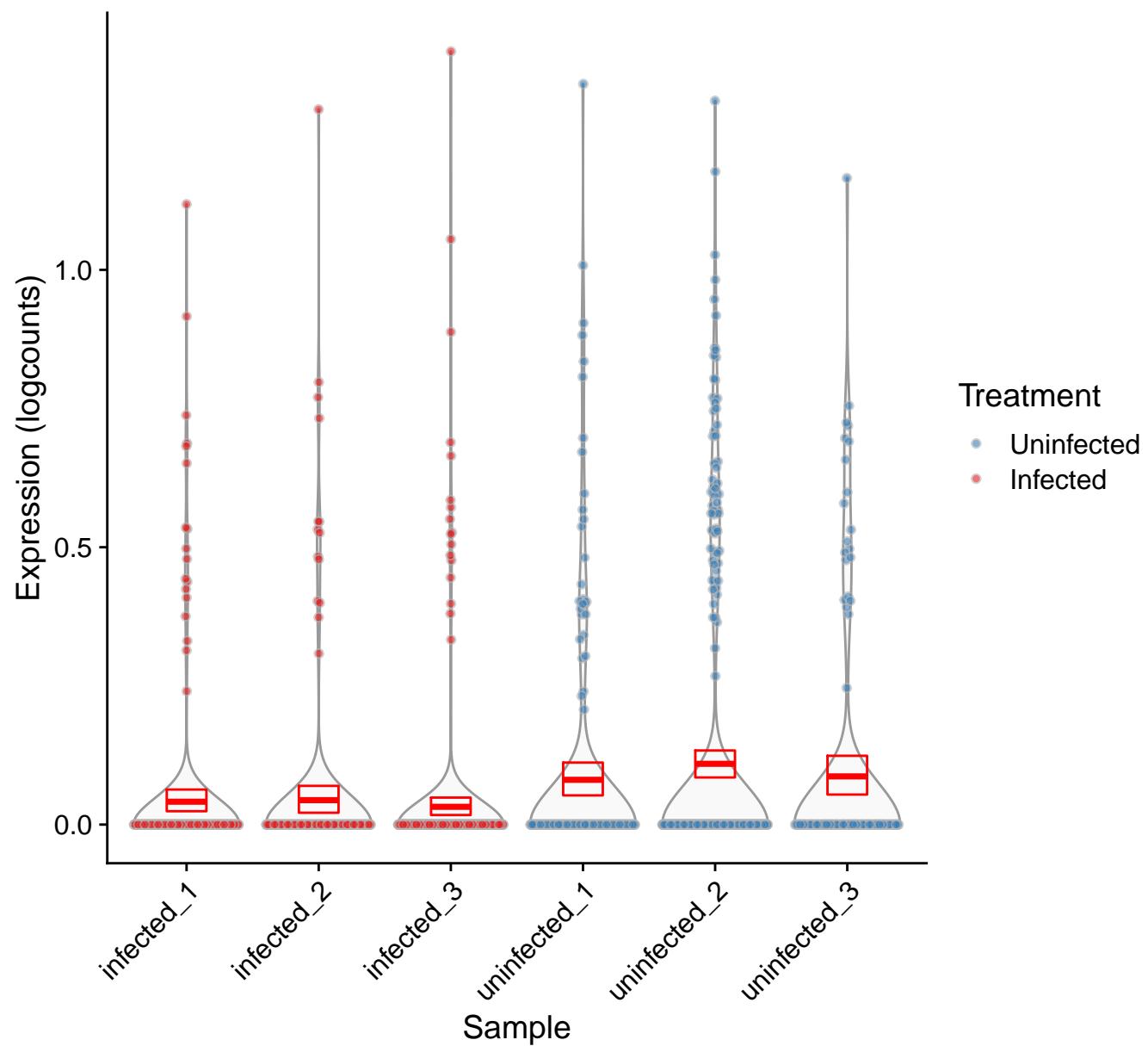
Treatment

- Uninfected
- Infected

Sample

# ERC1 (FDR = 0.004)

cluster\_11



# IL21R (FDR = 0.004)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

infected\_1

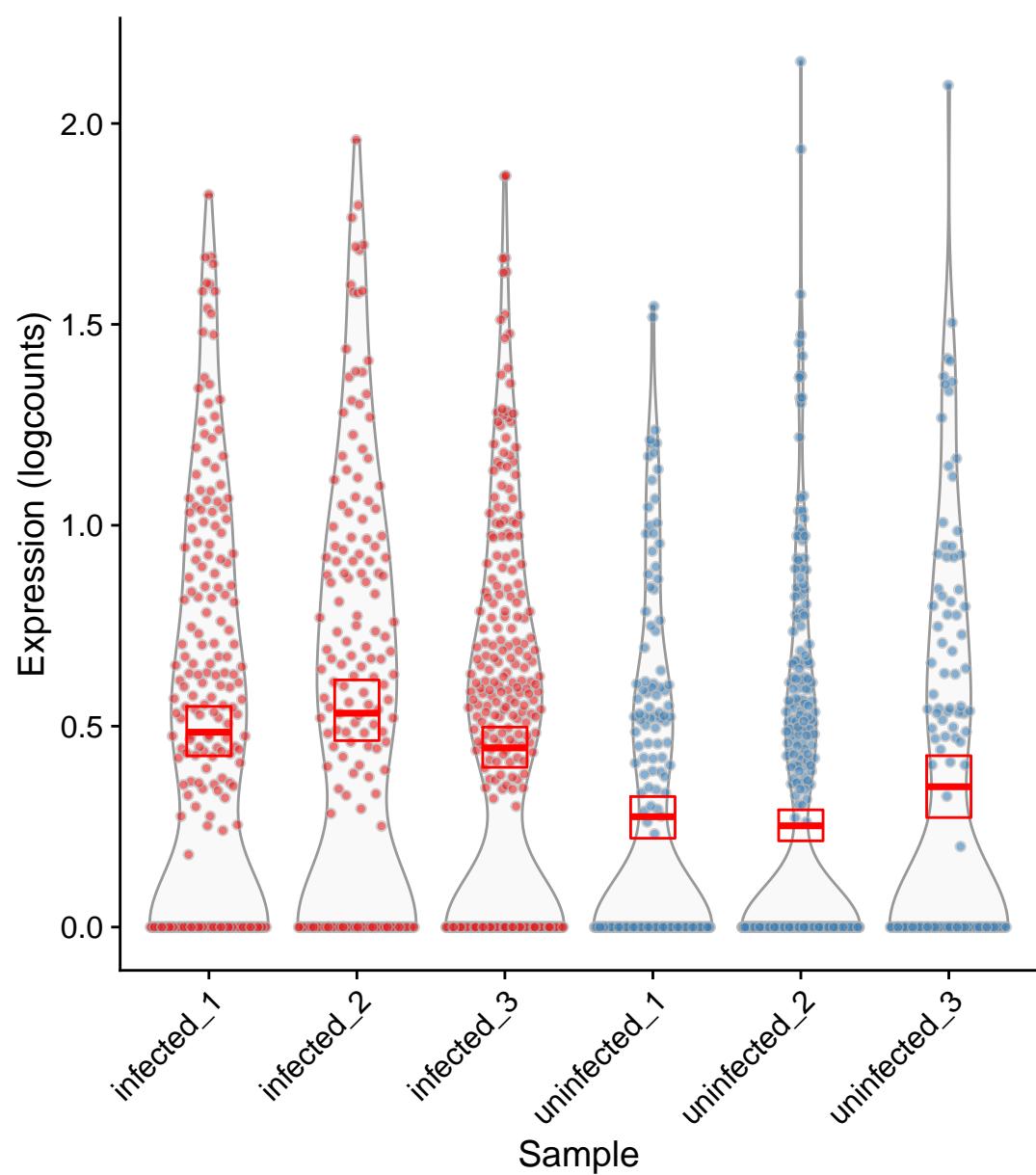
infected\_2

infected\_3

Sample

Treatment

- Uninfected
- Infected



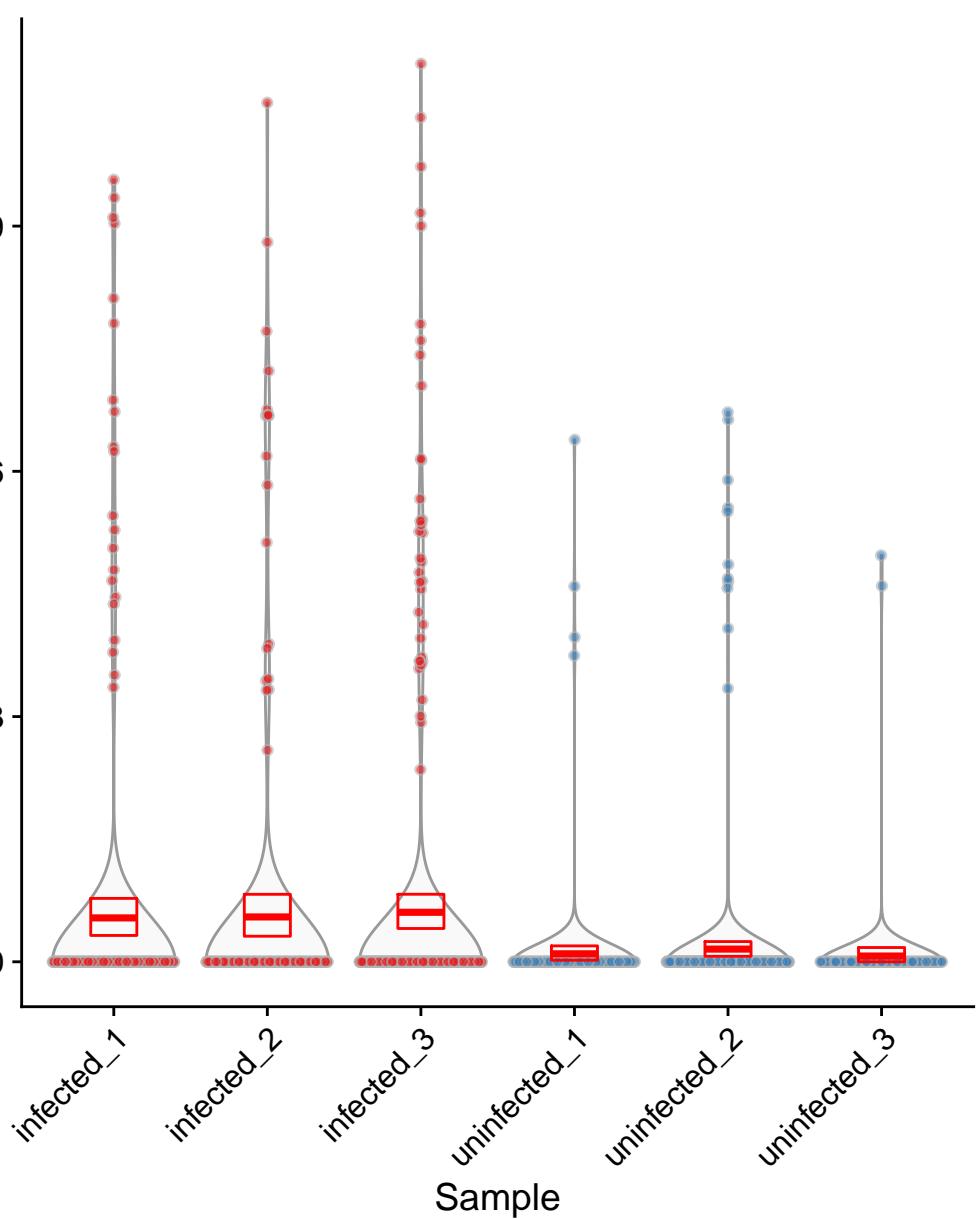
# DRAM1 (FDR = 0.004)

cluster\_11

Expression (logcounts)

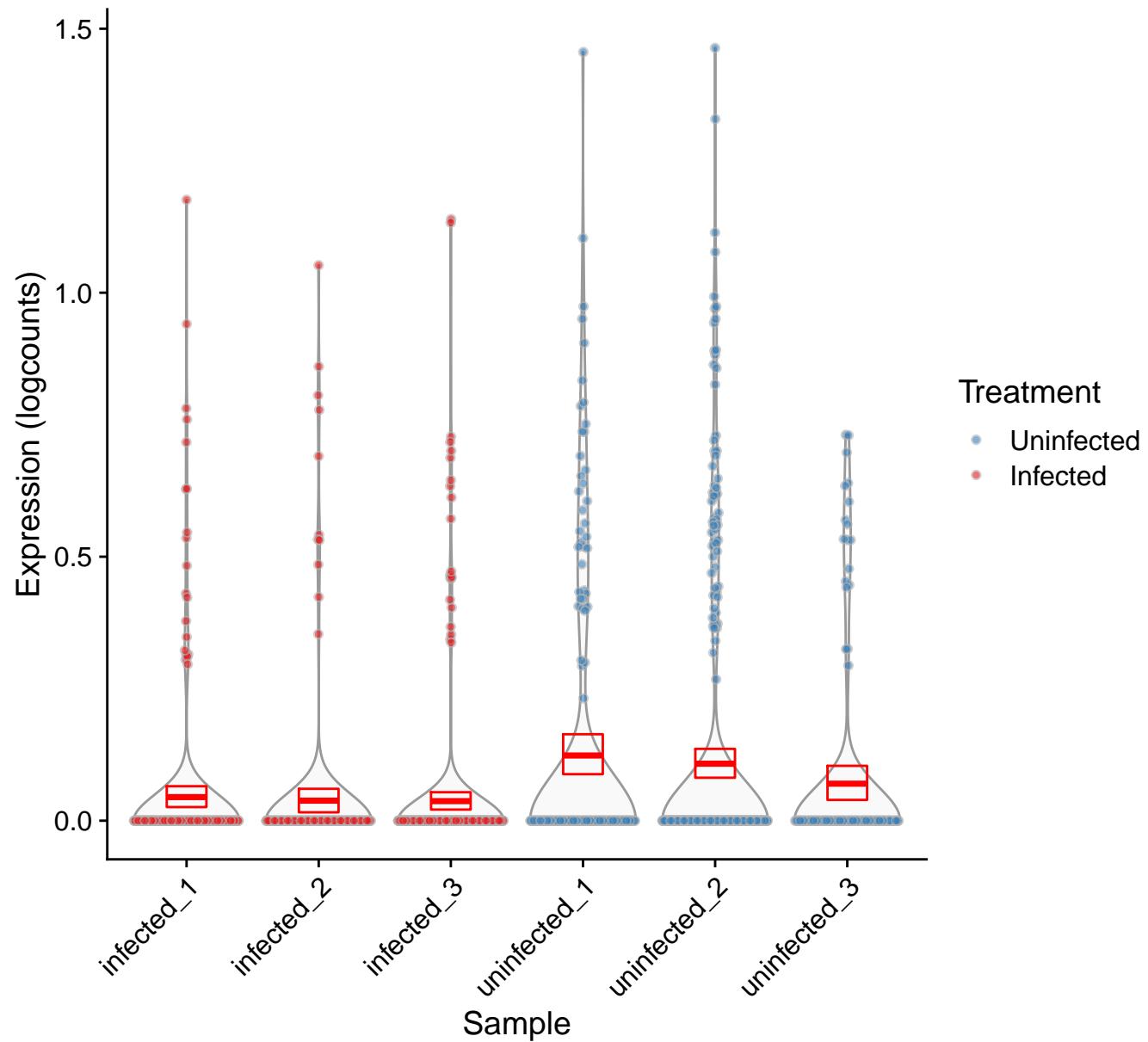
Treatment

- Uninfected
- Infected



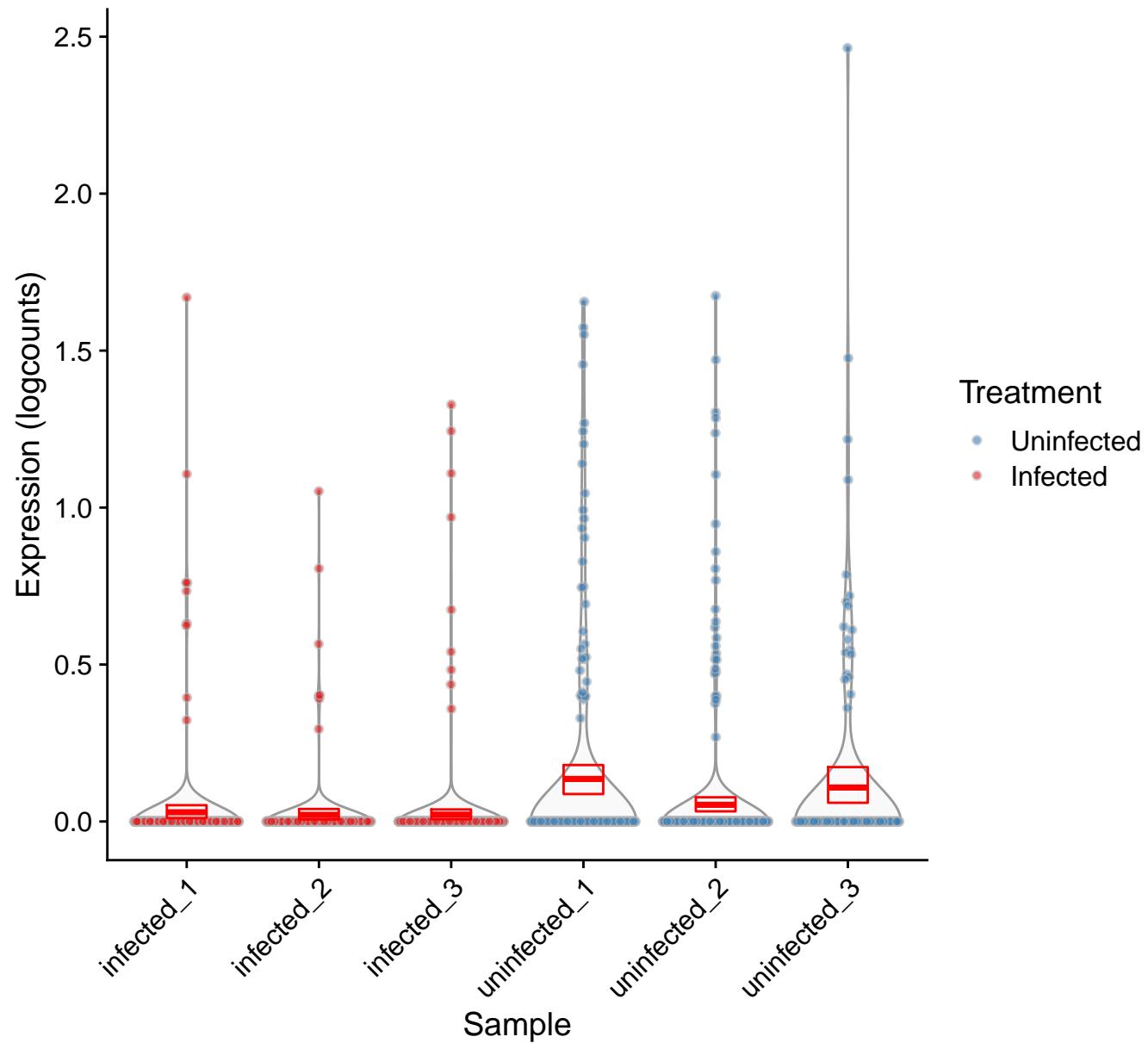
# STAT4 (FDR = 0.004)

cluster\_11



# LAIR2 (FDR = 0.004)

cluster\_11



# HSH2D (FDR = 0.005)

cluster\_11

Expression (logcounts)

2.0

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

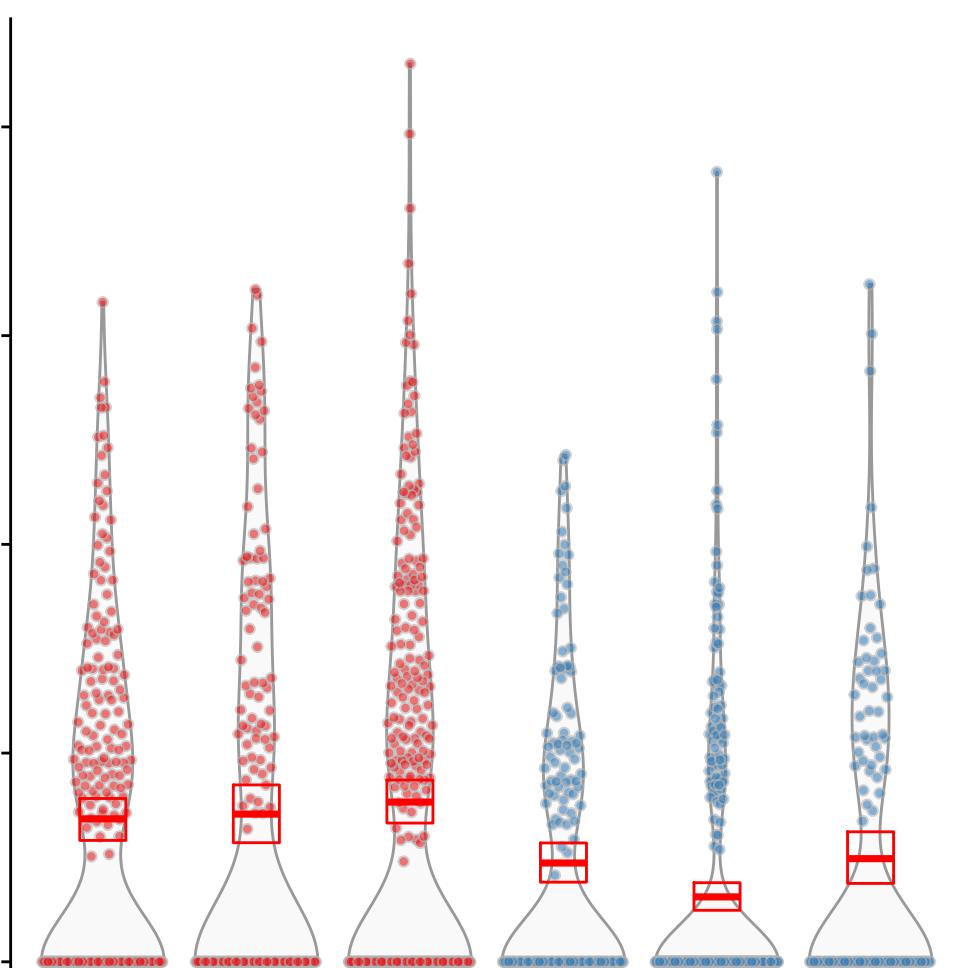
infected\_3

Sample

uninfected\_1

uninfected\_2

uninfected\_3



# VOPP1 (FDR = 0.005)

cluster\_11

Expression (logcounts)

2.5

2.0

1.5

1.0

0.5

0.0

infected\_1

infected\_2

infected\_3

uninfected\_1

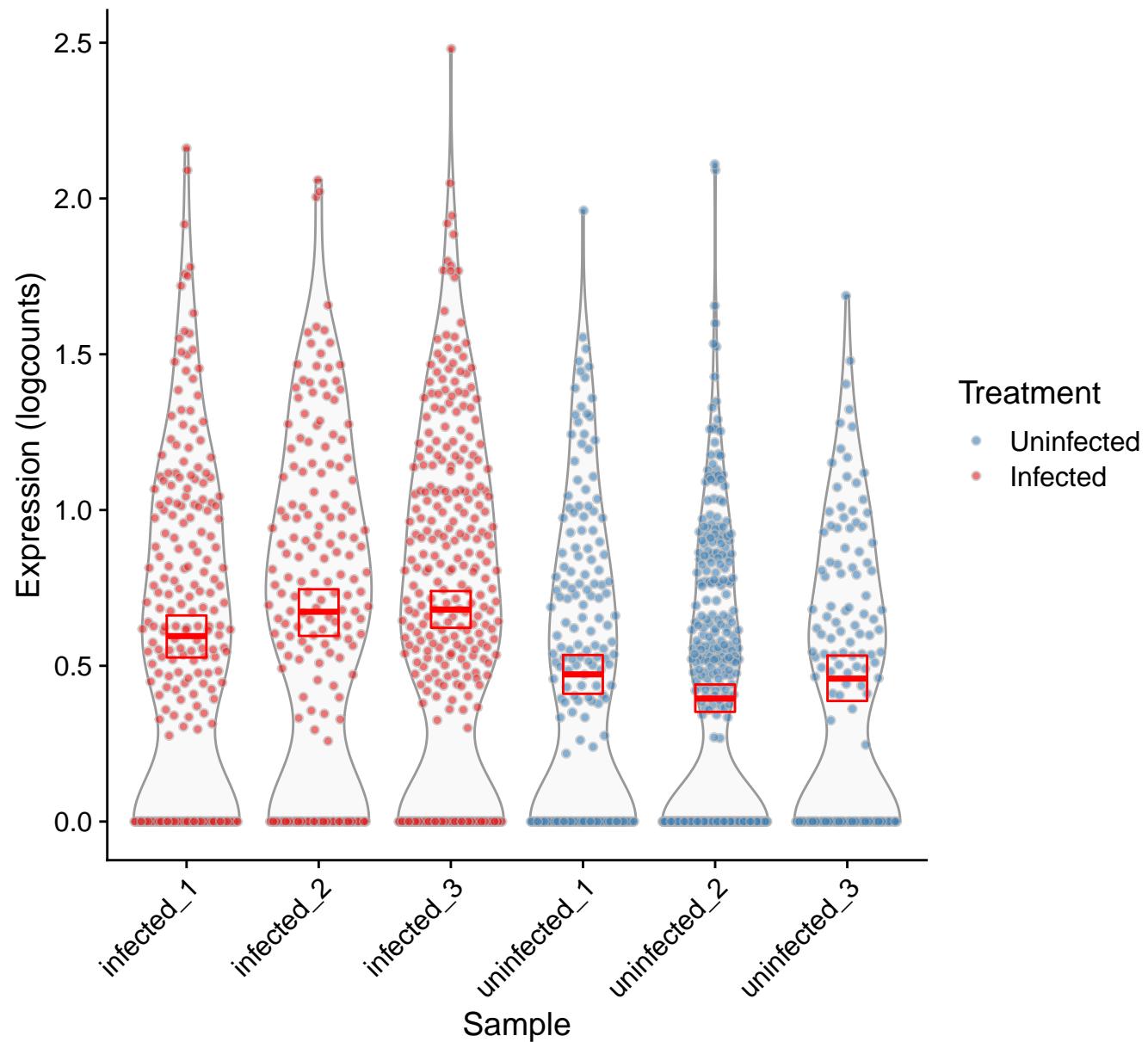
uninfected\_2

uninfected\_3

Sample

Treatment

- Uninfected
- Infected



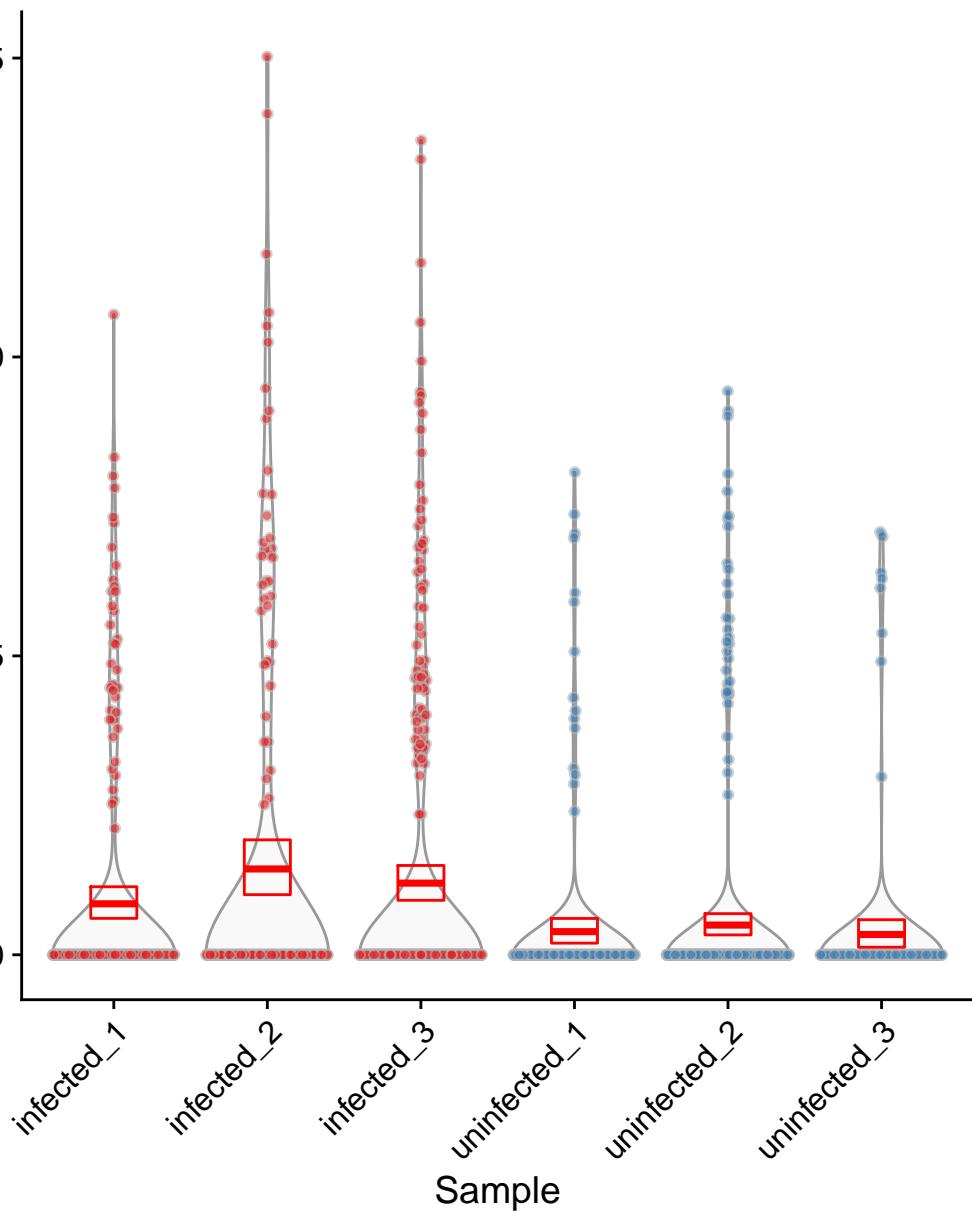
# ELL2 (FDR = 0.005)

cluster\_11

Expression (logcounts)

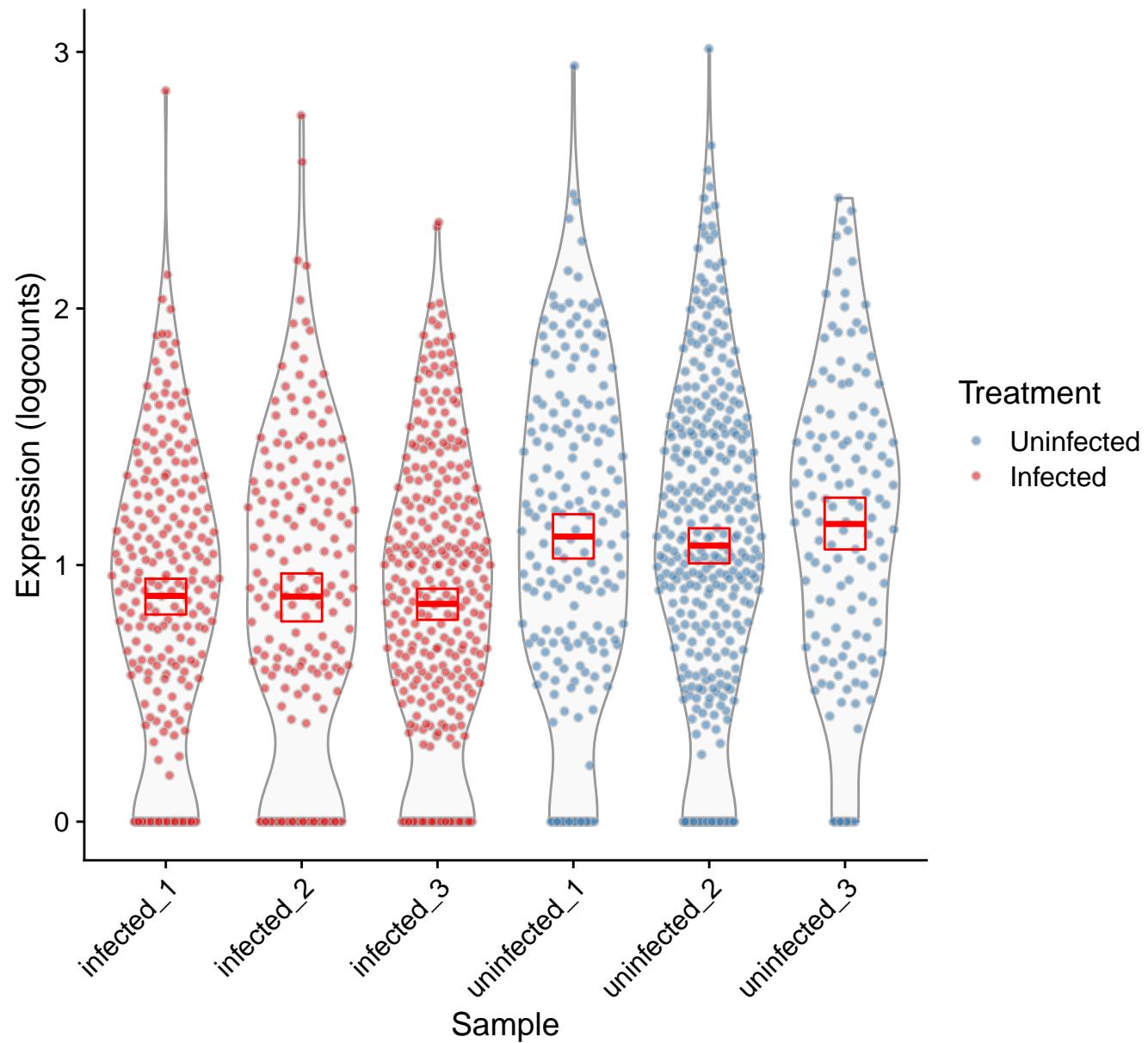
Treatment

- Uninfected
- Infected



# STK17B (FDR = 0.005)

cluster\_11



# GABARAPL1 (FDR = 0.005)

cluster\_11

Expression (logcounts)

1.5

1.0

0.5

0.0

Treatment

- Uninfected
- Infected

infected\_1

infected\_2

infected\_3

Sample

uninfected\_1

uninfected\_2

uninfected\_3

