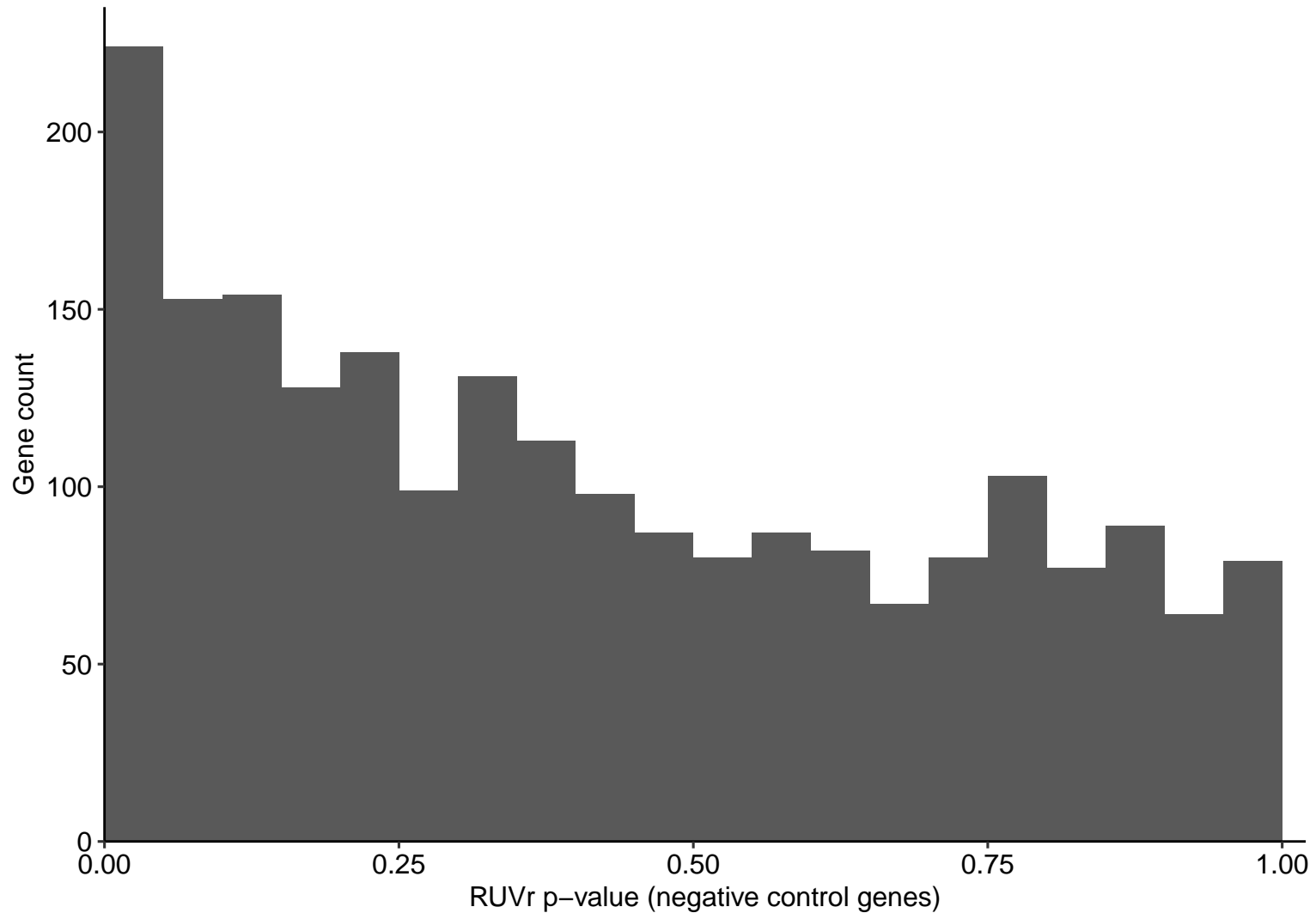


Histogram of paired analysis ($k = 1$)
Total number of genes: 2133
224 genes have p -value < 0.05
1909 genes have p -value ≥ 0.05
30 genes have BH FDR < 0.05
2103 genes have BH FDR ≥ 0.05



Histogram of paired analysis ($k = 2$)

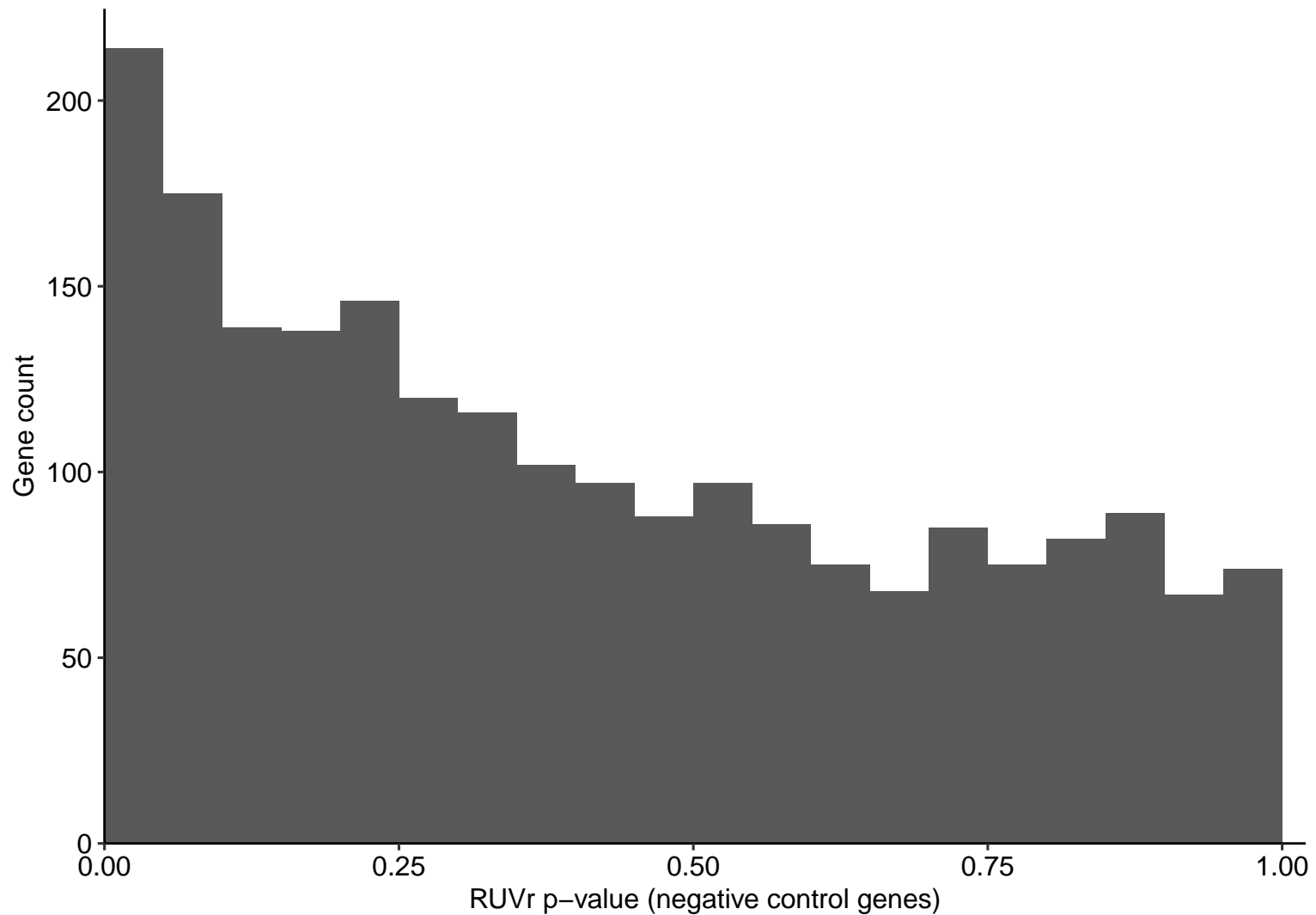
Total number of genes: 2133

214 genes have $p\text{-value} < 0.05$

1919 genes have $p\text{-value} \geq 0.05$

22 genes have BH FDR < 0.05

2111 genes have BH FDR ≥ 0.05



Histogram of paired analysis ($k = 3$)

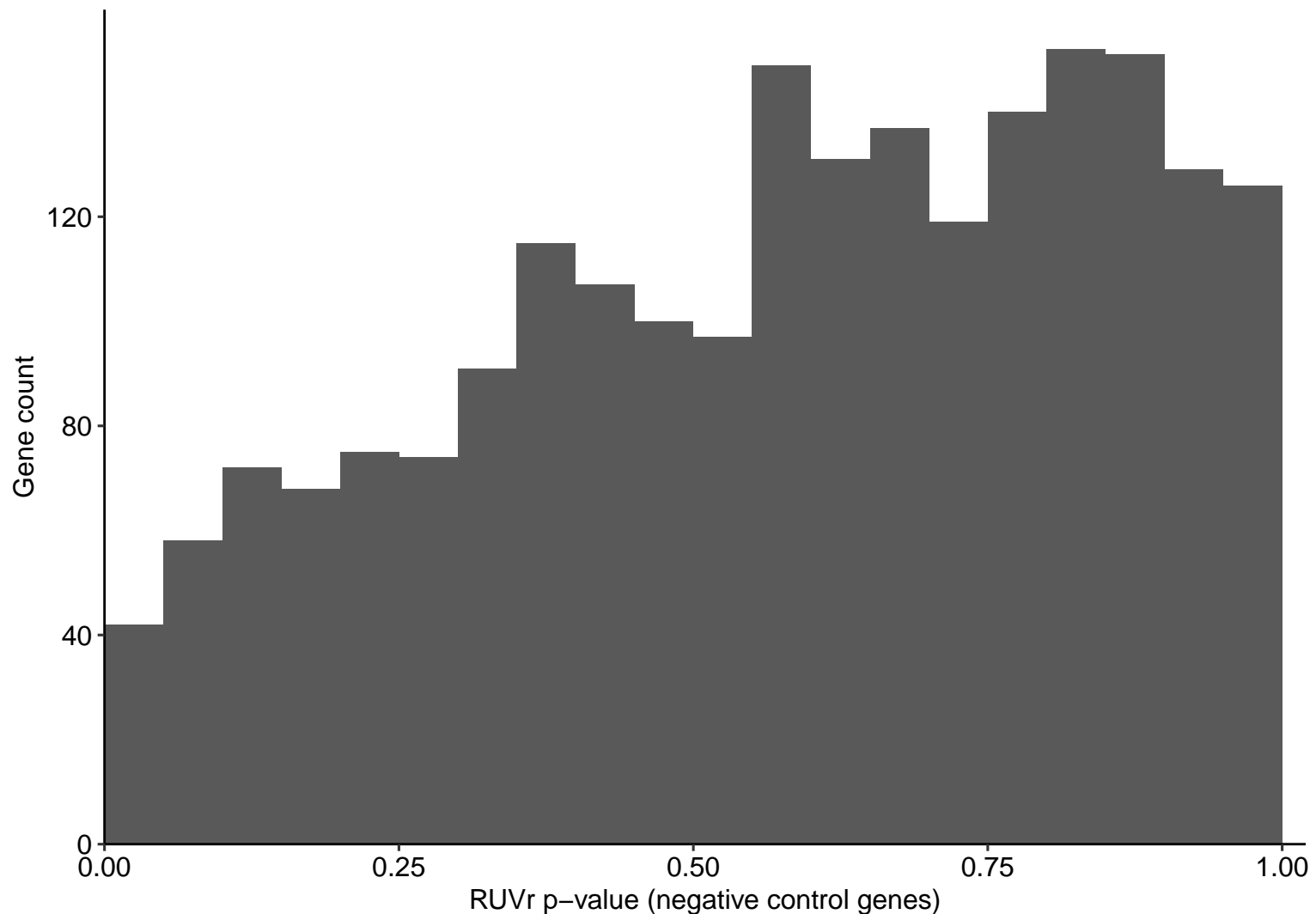
Total number of genes: 2133

42 genes have $p\text{-value} < 0.05$

2091 genes have $p\text{-value} \geq 0.05$

1 genes have BH FDR < 0.05

2132 genes have BH FDR ≥ 0.05



Histogram of paired analysis ($k = 4$)

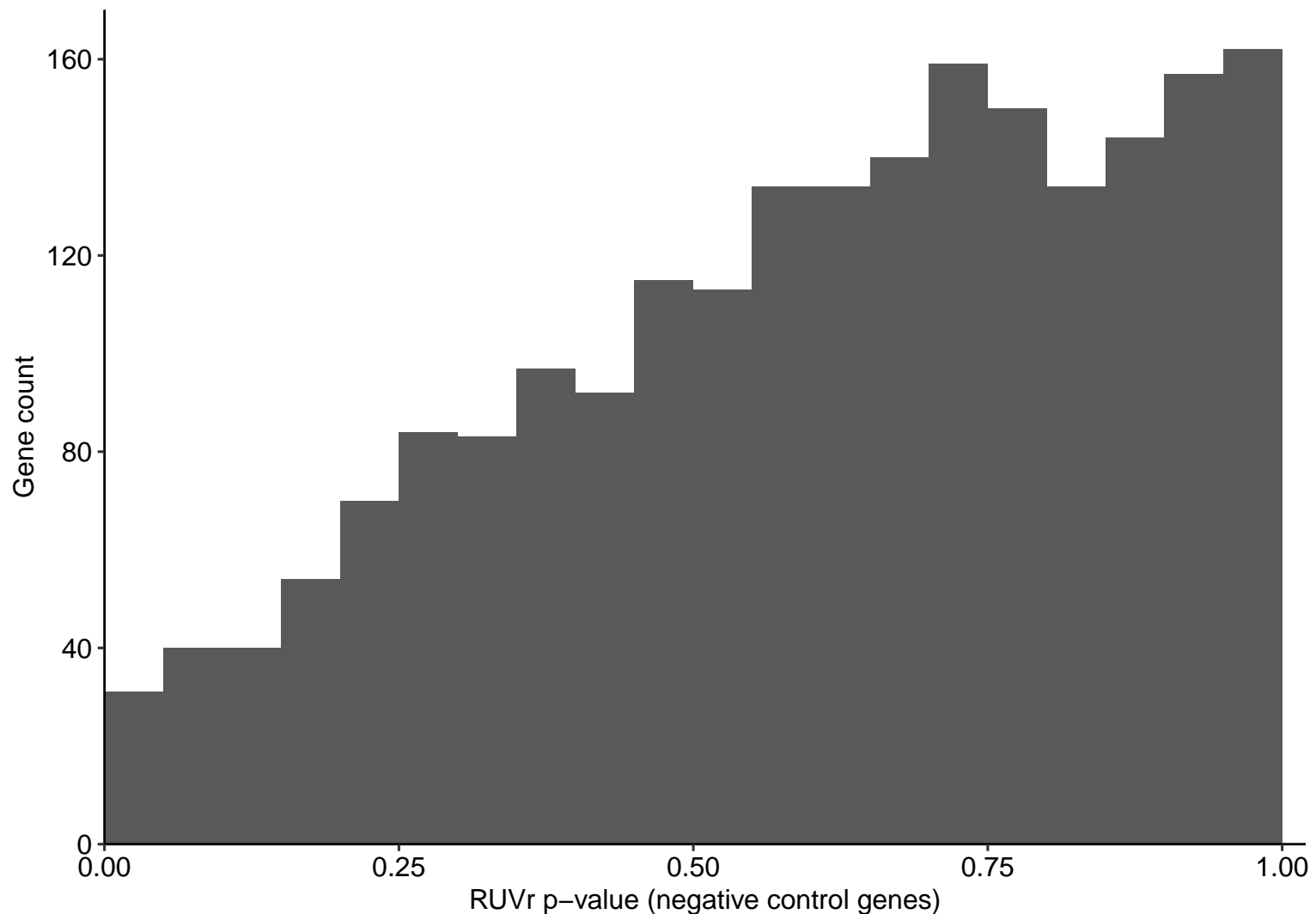
Total number of genes: 2133

31 genes have $p\text{-value} < 0.05$

2102 genes have $p\text{-value} \geq 0.05$

4 genes have BH FDR < 0.05

2129 genes have BH FDR ≥ 0.05



Histogram of paired analysis ($k = 5$)

Total number of genes: 2133

15 genes have $p\text{-value} < 0.05$

2118 genes have $p\text{-value} \geq 0.05$

0 genes have BH FDR < 0.05

2133 genes have BH FDR ≥ 0.05

