Hist of P−values, breaks 40 alpha= −2.22 beta= 2
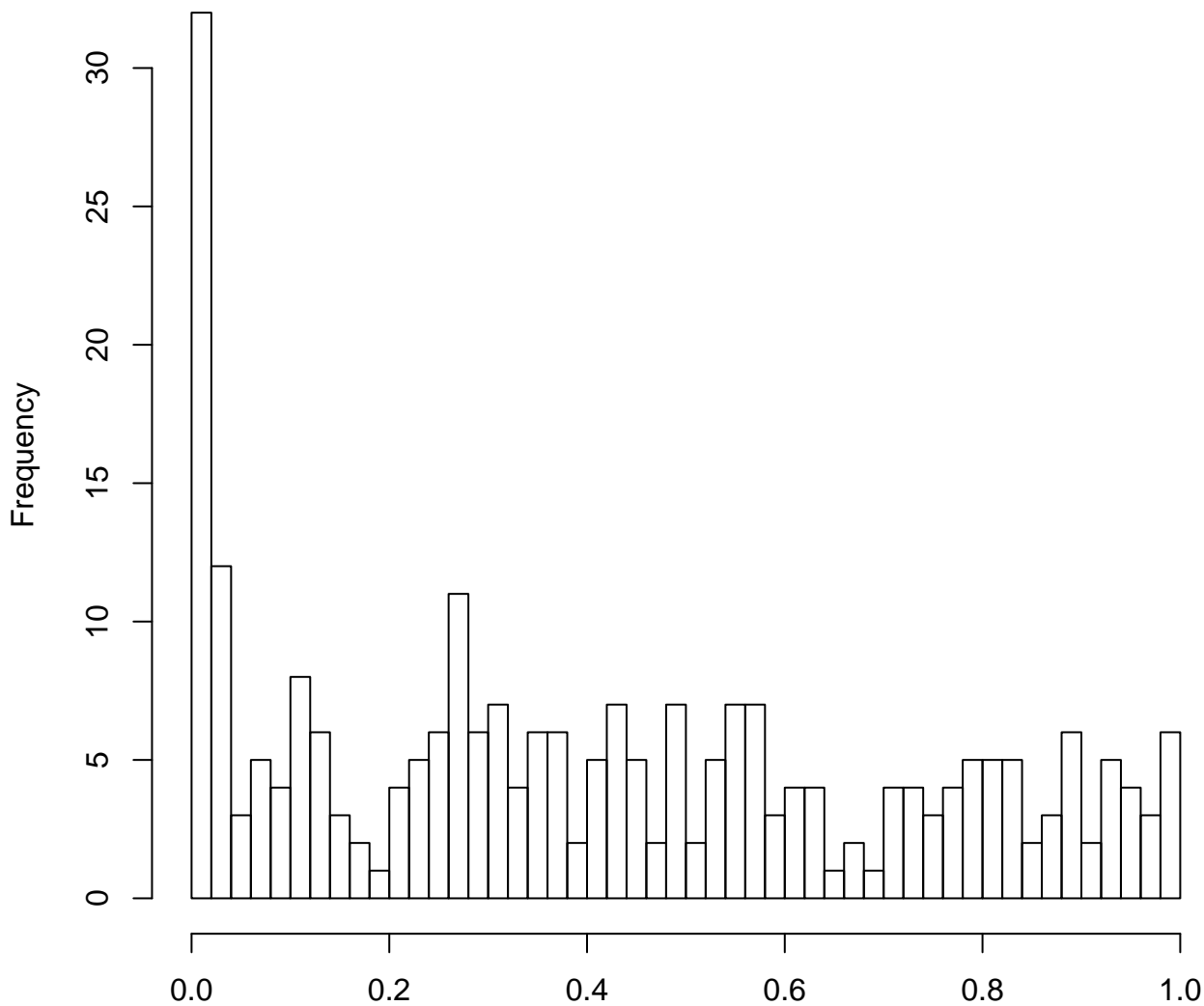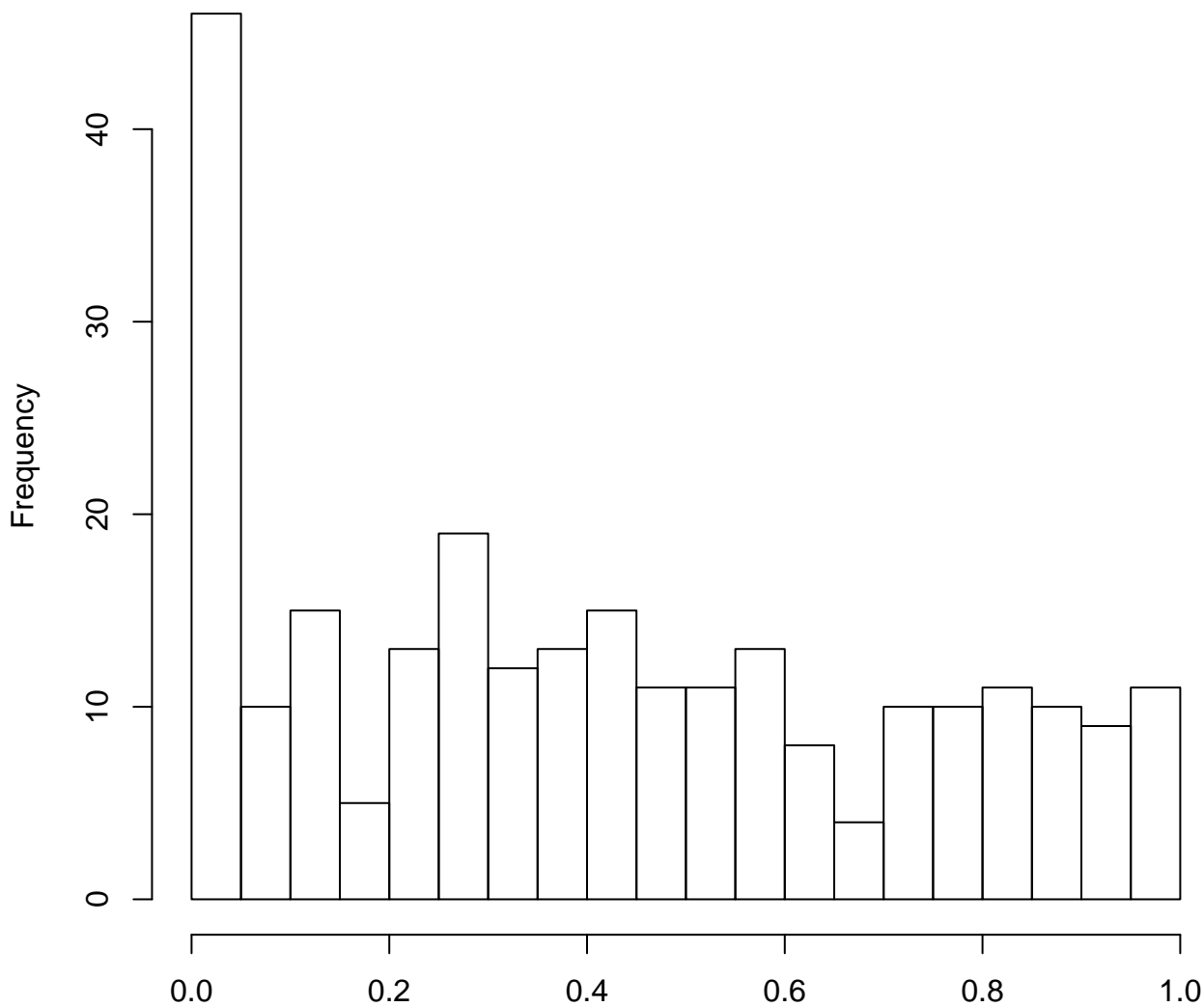
Frequency

samples: 256 Pvalues<0.05 0.1796875

Hist of P−values, breaks 20 alpha= −2.22 beta= 2

Frequency

samples: 256 Pvalues<0.05 0.1796875

qqPlot of uniform distribution