Hist of P−values, breaks 40 alpha= −2.22 beta= 3.8

Frequency

samples: 256 Pvalues<0.05 0.80078125
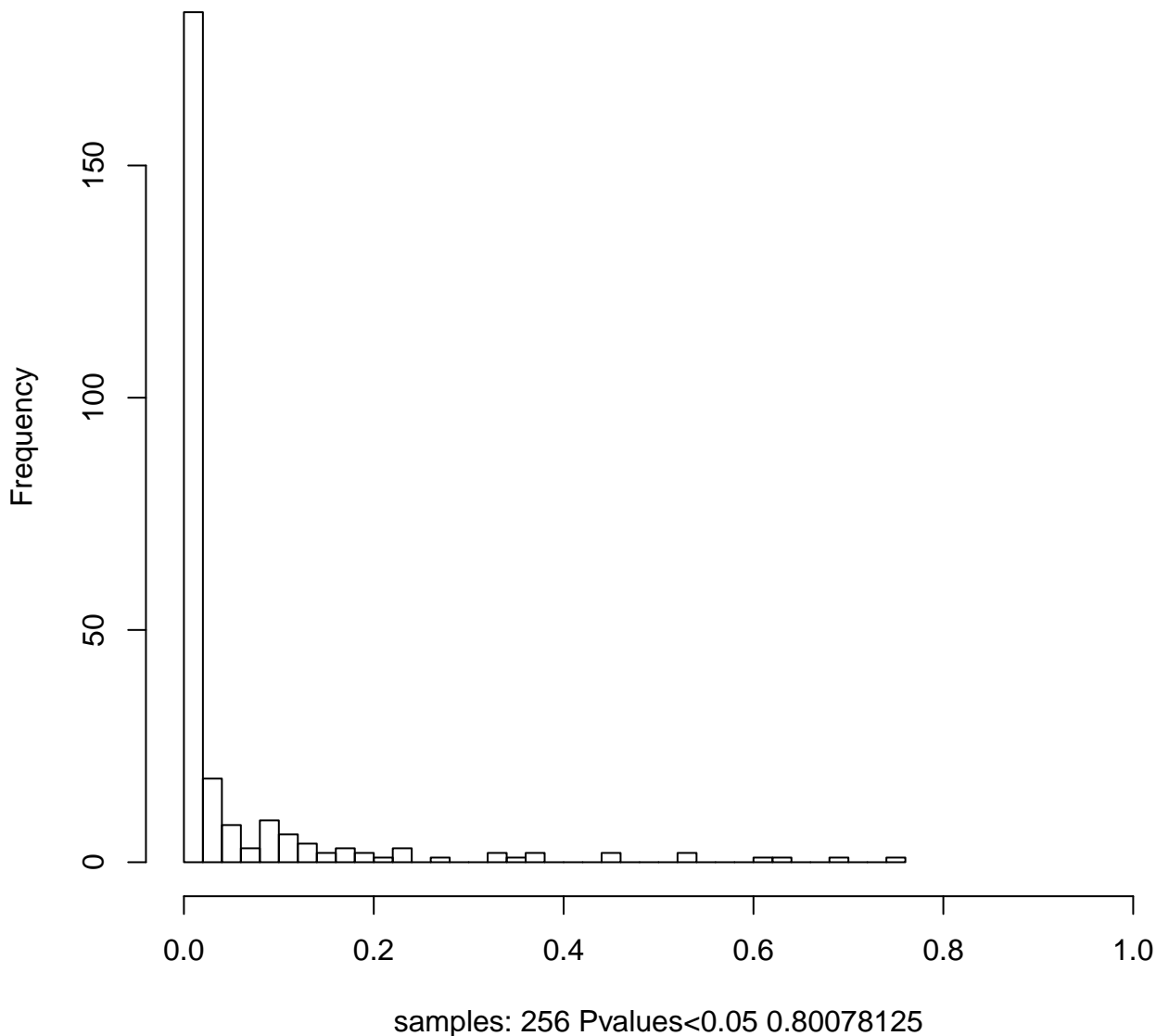
Hist of P−values, breaks 20 alpha= −2.22 beta= 3.8

Frequency

samples: 256 Pvalues<0.05 0.80078125
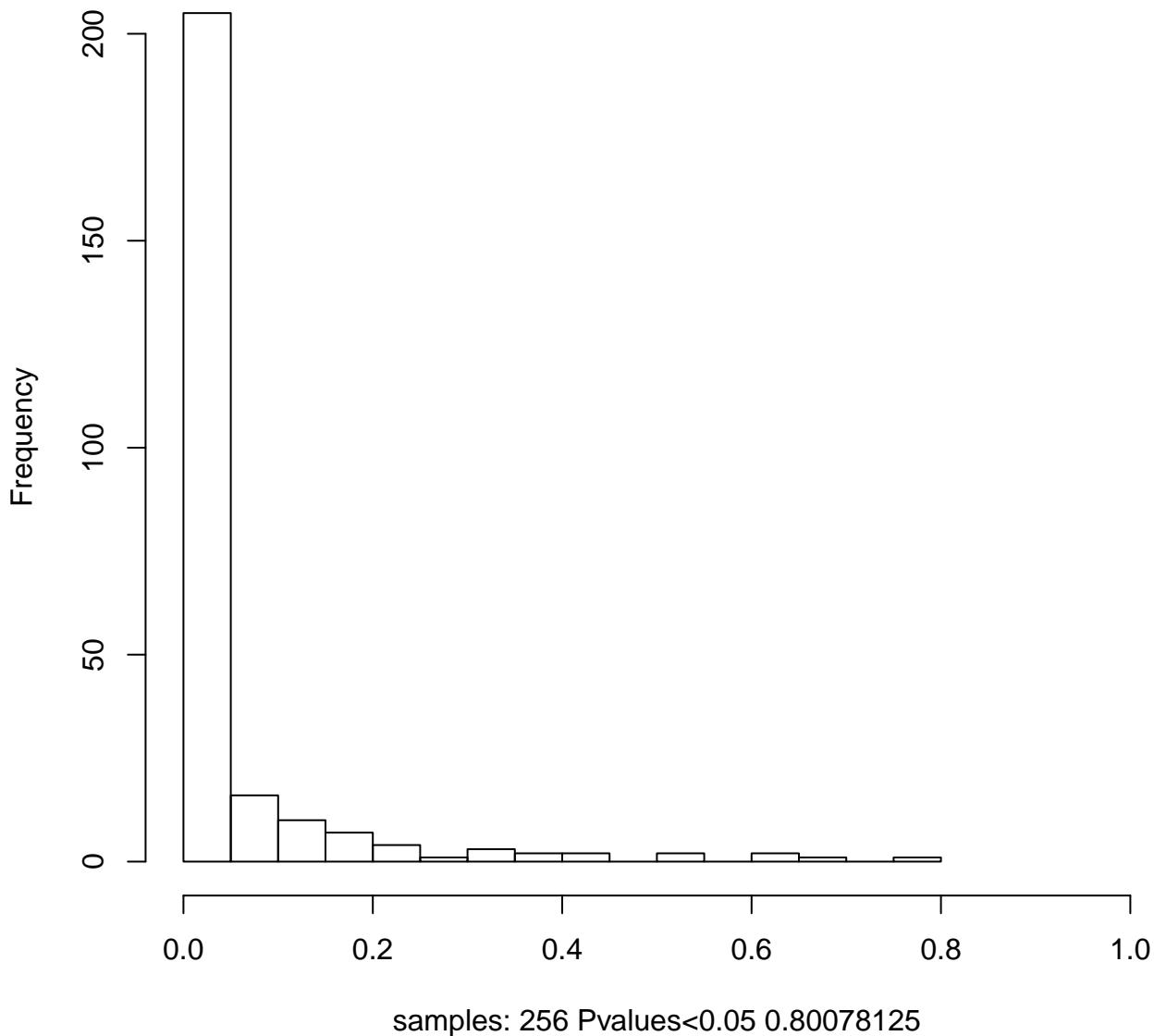
qqPlot of uniform distribution