Hist of P−values, breaks 40 alpha= −1.922 beta= 1.3

Frequency

samples: 1000 Pvalues<0.05 0.125
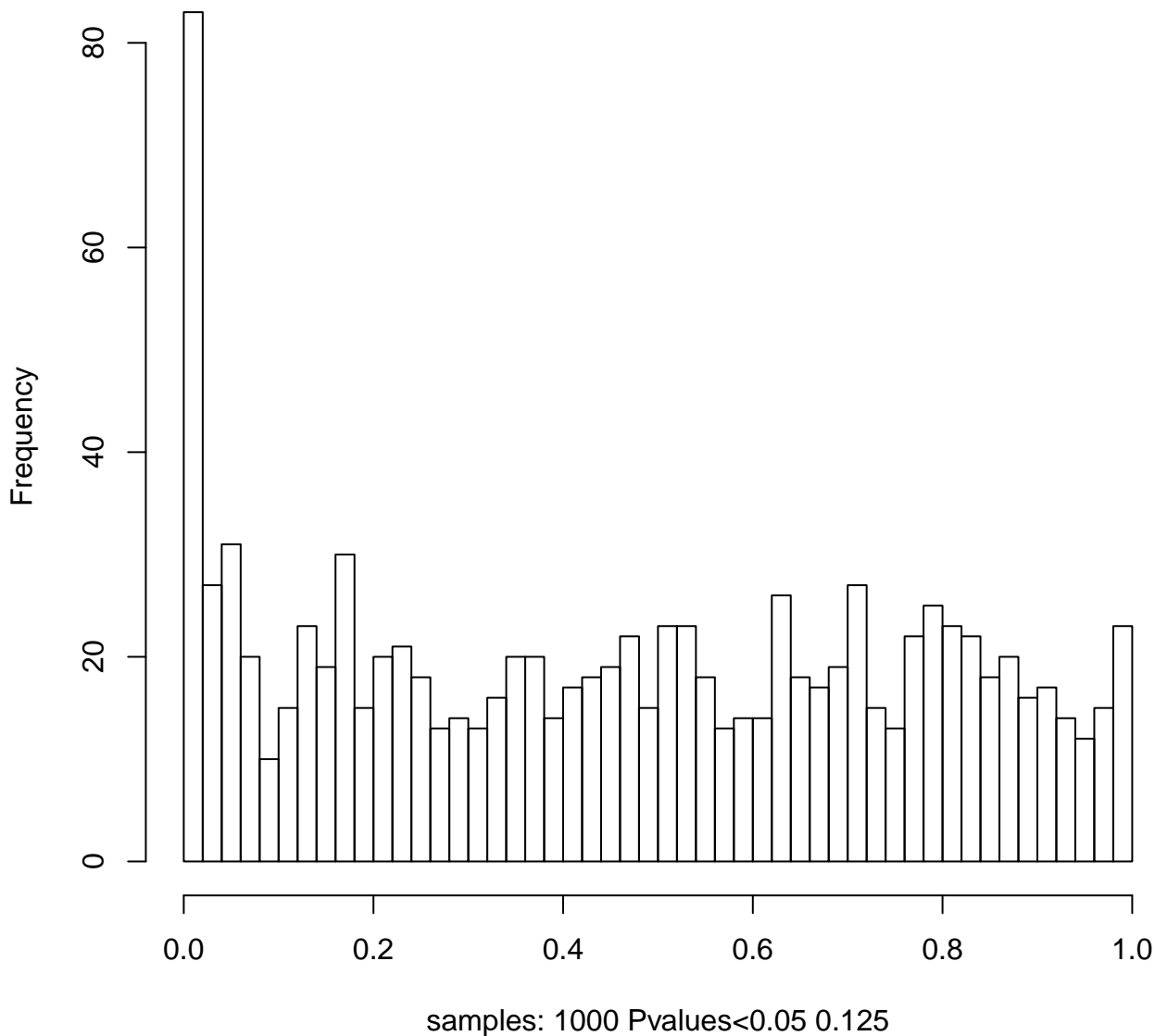
Hist of P−values, breaks 20

Frequency

samples: 1000
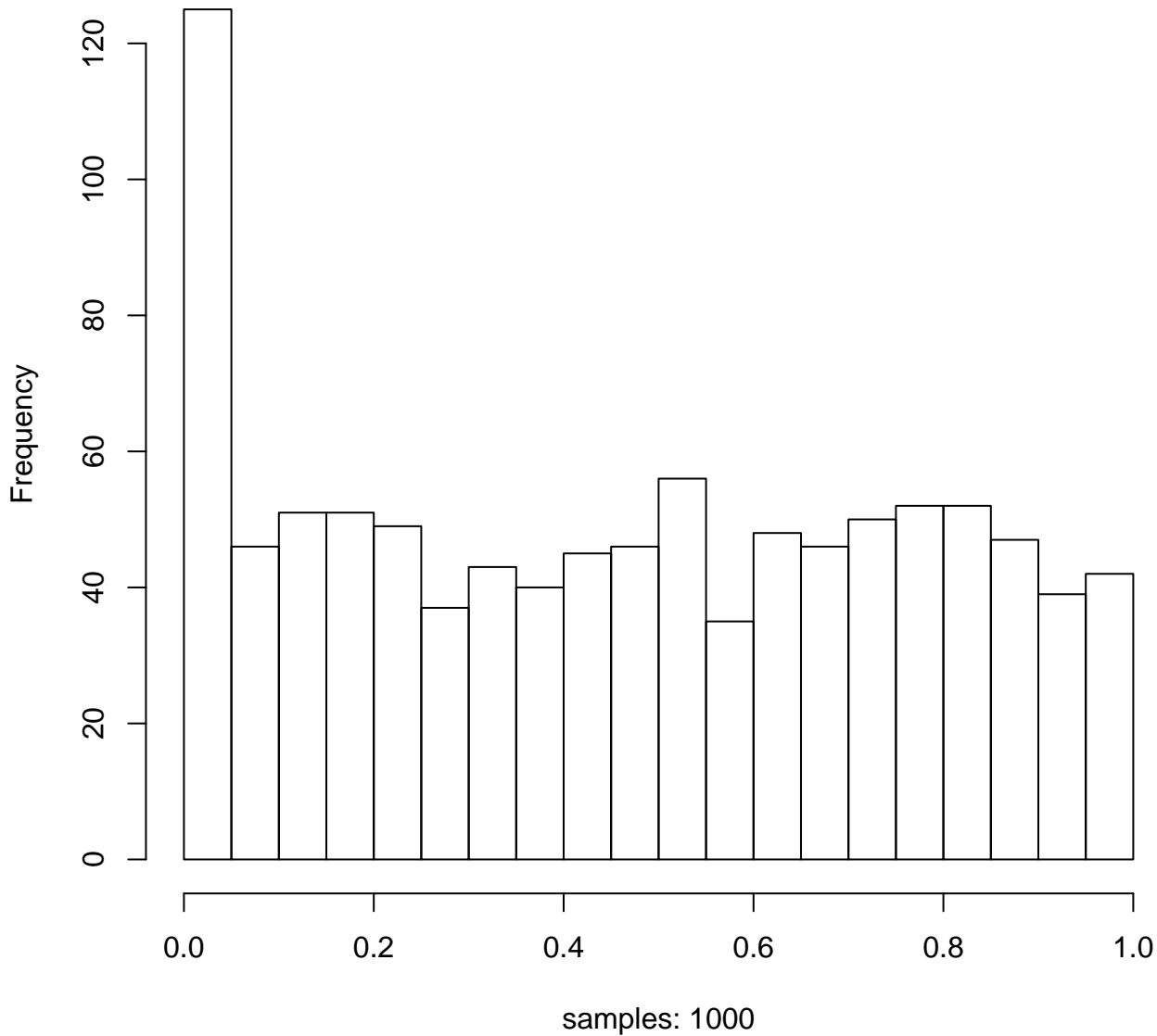
qqPlot of uniform distribution