Hist of P−values, breaks 40 alpha= −1.922 beta= 1.6

Frequency
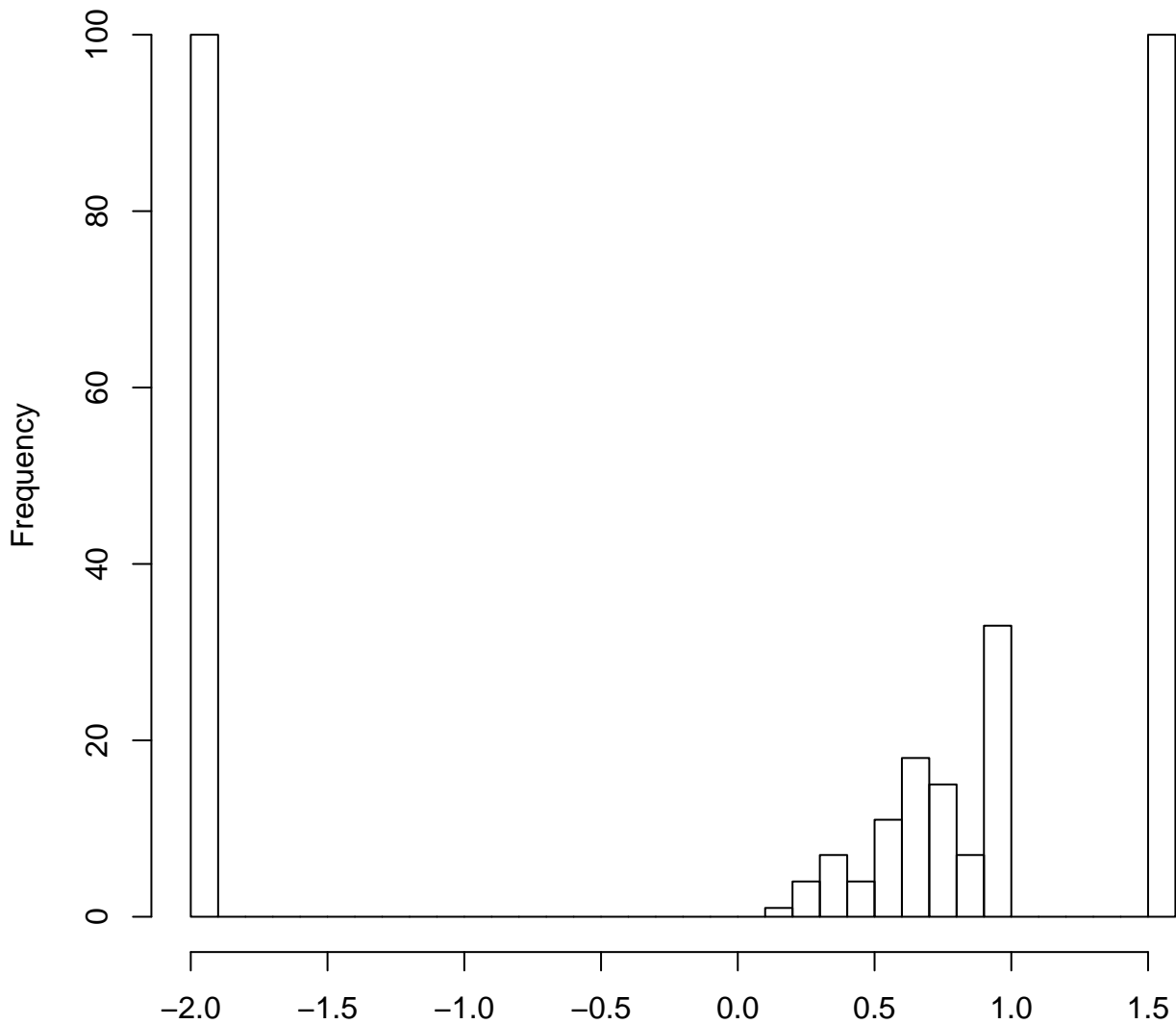
samples: 300 Pvalues<0.05 0.333333333333333

Hist of P−values, breaks 20

Frequency

samples: 300
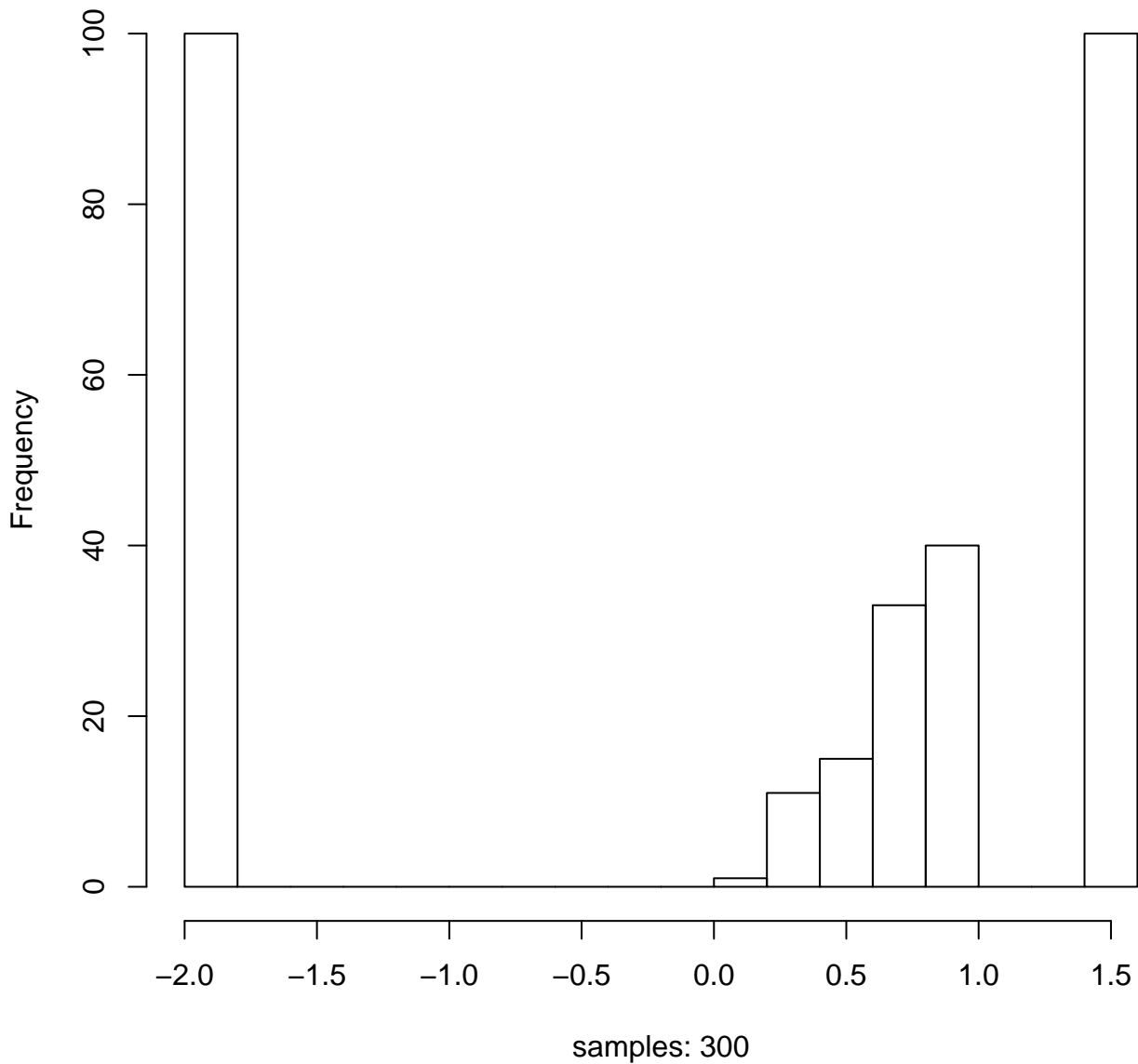
qqPlot of uniform distribution