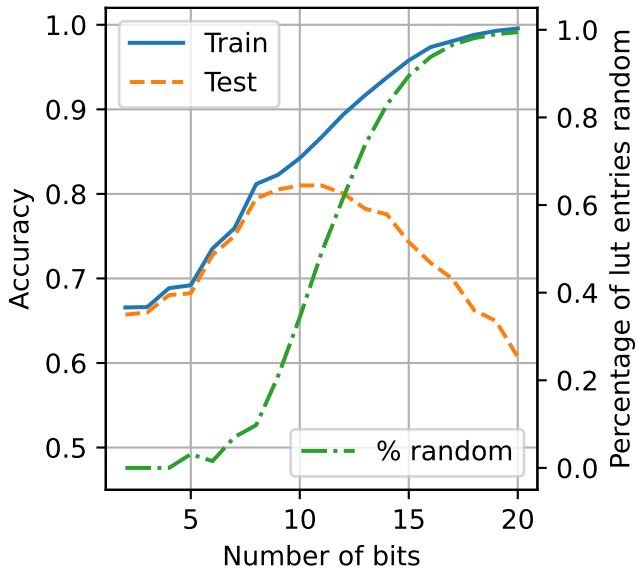**Performance of a single lut on 0-4 vs. 5-9 MNIST classification**
(PCA used to reduce dimensions to corresponding bit size)

Actual labels

Randomly permuted labels