RESULTS

- kNN, RF and NBC perform well under conditions of test II

- kNN, RF perform well under conditions of test III

  - and NBC?

- NB and SVM are unstable under conditions of test III (greedy)

  - could be reflection of instability of single gene changes (see plot)

  - will NBC follow trend? how to justify with performance under test II

- chi2 does not perform any better than random

RESULTS

- Breast Cancer Dataset: benign vs normal vs malignant @ 50% accuracy

  - tumors have a lot of the same distinguishing genes = difficult to tell apart

- Colon Cancer Dataset: 6 subtypes @ 70% accuracy

  - same problem as Breast Cancer

- Lung Cancer Dataset: normal vs cancer

  - well defined data