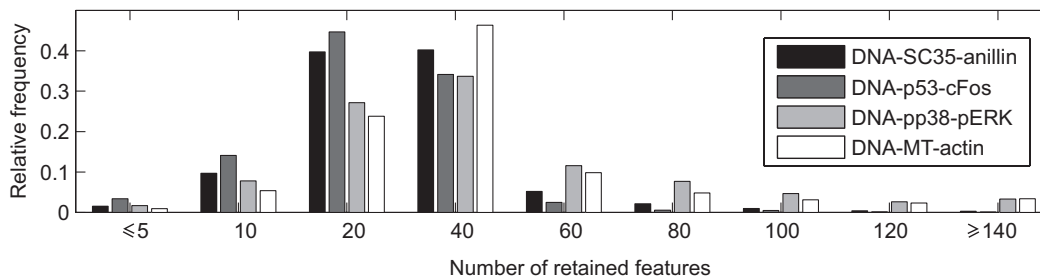**Supplementary Figure 1:**
Distributions of the number of selected features

The most informative features for detecting compound effect were selected. The distributions of the number of features selected for all compounds on four marker sets after feature removal are shown.