Total perturbation, all signatures ▲ Prost-AdenoCA 200 Panc-AdenoCA Liver-HCC 150 -Negative log p-value 100 Breast-AdenoCA Kidney-RCC.clearcell Ovary-AdenoCA Lymph-CLL ColoRect-AdenoCA 50 Lung-SCC So-AdenoCA Skin-Melanoma.cutaneous Lymph-BNHL Lung-AdenoCA CNS-GBM 0 500 1000 Effect size log(num_samples)

3.0 3.5 4.0 4.5 5.0