Weighted total perturbation, all signatures ▲ Prost–AdenoCA 200 ▲ Panc-AdenoCA Liver-HCC 150 -Negative log p-value 100 Breast-AdenoCA Ovary-AdenoCA 50 ymph-BNHL Lung-AdenoCA 0 10 20 30 0 Effect size log(num_samples)

3.0 3.5 4.0 4.5 5.0