

A. Observed neratinib (act, CTRP-Broad-MIT) vs. Predicted neratinib (act, CTRP-Broad-MIT) Pearson correlation (r)=0.9, p-value=7.6e-15

Figure S2: observed versus predicted response to neratinib in a pharmacogenomic model of 36 breast cancer cell lines, accessed via CellminerCDB. Correlations for (A) novel gene signature and (B) gene signature established by Desmedt et al 2008 (31) are shown.

B. Observed neratinib (act, CTRP-Broad-MIT) vs. Predicted neratinib (act, CTRP-Broad-MIT) Pearson correlation (r)=0.9, p-value=9.1e-15

22.5

25.0

Breast