Differences in expression of two ER gene expression modules in the Jönsson et al. data set for HER2+ tumors stratified by ER status, and HER2– tumors classified according to gene expression subtypes. Top-axis indicates number of tumors in each subgroup. Gene expression log2 ratios were ranked for each sample. A rank sum was next calculated for each sample and module based on overlapping genes. The module score for an individual sample was defined as the rank sum for the sample divided by average ranksum across all samples and log2-transformed. (A) Module scores for the Desmedt et al. [42] ER gene module. (B) Module scores for the Hennessy et al. [43] ER gene module described in the article supplemental data.