**Supplementary Figure 4.** Gene expression profiles for differentially expressed enzyme activities in primary human breast tumor and normal breast specimens. Relative mRNA expression levels shown in a color scale, where blue represents low expression and yellow represents high expression. Note that certain enzymes (e.g., HSL, CE1, FAP) show good correlation between mRNA and activity, while others (e.g., thrombin, PAF-AH2, KIAA1363) do not (see Table 1 of the manuscript for activity levels). The DNA microarray data for LPL and DPPIV (two additional enzyme activities identified by ABPP-MudPIT to be elevated in normal breast) were of insufficient quality for analysis.