



**Figure S1** Representative immunohistochemical staining. ER positive (A) and ER negative (B), PR positive (C) and PR negative (D), Ki-67 $\leq 20\%$  (E) and Ki-67 $> 20\%$  (F), HER2 positive (score 2+ plus positive FISH, score 3+, G) and HER2 negative (score 2+ plus negative FISH, score 0 and score 1+, H). ER, estrogen receptor; PR, progesterone receptor; HER2, human epidermal growth factor receptor-2; FISH, fluorescence in situ hybridization.