Supplementary Figure S1. Representative micrographs of DCIS and invasive breast cancers displaying PTEN expression (**A**, left) or loss (**A**, right), INPP4B expression (**B**, left) or loss (**B** right), pAKT expression lack of expression (**C**, left) and pAKT expression in neoplastic cells (**C**, right), pS6 lack of expression (**D**, left) and pS6 expression in neoplastic cells (**D**, right). Please note that in **A** and **B**, the expression of PTEN and INPP4B in stromal cells and/or normal breast epithelium was employed as an internal positive control in cases lacking PTEN and INPP4B expression in neoplastic cells, respectively.

