

Supplementary information, Table S2 List of genes used for IPA to determine canonical pathways differentially enriched between PTEN normal/trastuzumab resistant vs. PTEN high/trastuzumab sensitive breast cancer patients.

Gene name	Gene name	Gene name
SPIB	IGHG1	GREB1
ATP8A2	EVI2A	PDCL3P4
APOD	ELMO1	ROPN1B
KLK11	IGHM	BNIP3P1
GNLY	BLNK	TRIB2
ARHGAP25	ATHL1	KRT15
PPP1R16B	TNFSF10	CEACAM6
CCL5	CD19	PLAGL1
LRMP	COL11A1	KRT19
TCL1A	PEG10	LGALS3BP
ISG20	AGAP11	GIN51
CD52	KLF2	HSPA7
PPP1R2P4	ZMYND11	SOX10
KIAA0226L	HRAS	sept
GIMAP5	AQP3	MXRA7
AL512428.1	NEFH	ILF2
IGKV2D-28	SIGIRR	GDI2
LGALS2	SNORA11	COX5B
IGKV1D-17	RP11-510N19.5	PERP
IGKV1D-13	AL590708.1	HEBP2
AC129778.7	U4	ALDOA
PTPRC	PDCL3P6	
AC016745.2	U1	
TFAP2B	AMYP1	
AC096579.7	LLGL2	
EVI2B	JMJD6	
ADIPOQ	SOX9	