

<i>Patient group</i>	<i>Gene symbol</i>
High expression in COX-2-high TNBC patients	TPM4, PTGS2, TNFRSF21, RGS2, TFAP2C, ITGA6, DEGS1, ATP1B1, COL9A2, SFRP1, FURIN, LAMC2, THBS1, CD55, TACSTD2, MSN, S100B, CTNNA1, FBXO32, STAC2, DSP, KRT6B, FBLN2, SERPINB5, IER3, ITGB4, FOXI1, EPHB3, MDF1, KLK7, OGFRL1, MFGE8, ACTN4, KLK5, SLC44A2, KLK6, ID4, RBP1, PTP4A1, TMX4, SLC2A1, GNAS, PPP1R1B
High expression in COX-2-low TNBC patients	MRPL51, MRPS35, CST3, RPL41P1, ALDH3B2, FASN, RARRES3, IDH2, RN7SL2, AC090498.1, UBA52, CENPX, MRPL20, PRDX3, CFD, GGCT, PIP, COX6A1, TSTA3, SLC25A6, FTL, PTMS, NDUFB7, DDX49, DCHS2, AURKAIP1, RPLP0, UCP2, TFAP2B, AC093001.1, AHCY, ISYNA1, SPDEF, APOC1, ECHS1, TEF3, RPS5, PHB2, RPL21, FAU, NOP53, COPE, NHP2, RPS4X, RPL18A, C12orf57, APOE, RPL22, WDR34, RPS3, RACK1, EIF4EBP1, USP5, RPS13, RPL36AL, RPL41, ATP5PF, PRR15L, RPS29, BSPRY

Figure S1