



B

Endometriosis vs. control: Common DEPs in eutopic endometrium and serum

Gene Name	Eutopic endometrium	Serum	Subcellular location	Biological Process	iTRAQ log ₂ ratio (endometriosis vs. control)
SLC9A3R1	Red	Red	PM	cell migration	Red
NEXN	Red	Red	PM	cell migration	Red
SACS	Red	Red	PM	protein folding	Red
PRNP	Red	Red	PM	iron homeostasis	Red
SSC5D	Red	Red	PM	receptor-mediated endocytosis	Red
IGKV1-5	Red	Red	PM	immune response	Red
LBP	Red	Red	PM	immune response	Red
IGLV3-19	Red	Red	PM	receptor-mediated endocytosis	Red
HLA-DRA	Red	Red	PM	immune response	Red
IGHV1-2	Red	Red	PM	immune response	Red
FYB	Red	Red	N	immune response	Red
HMG1	Red	Red	N	chromatin organization	Red
HIST1H1D	Red	Red	N	chromatin organization	Red
HIST1H4A	Red	Red	N	chromatin organization	Red
ZNF445	Red	Green	N	transcription	Green
USH2A	Red	Red	ES	protein localization	Red
HRG	Red	Red	ES	platelet degranulation	Red
MST1	Red	Red	ES	gluconogenesis	Red
APOC1	Red	Red	ES	cholesterol efflux	Red
C7	Red	Red	ES	immune response	Red
CFP	Red	Red	ES	immune response	Red
ADIPOQ	Red	Red	ES	cell migration	Red
JAKMIP2	Red	Red	ES	cytoskeleton organization	Red
IGHG3	Red	Red	ES	immune response	Red
ITIH2	Red	Red	ES	post-translational protein modification	Red
LTF	Red	Red	ES	immune response	Red
SLIT3	Red	Red	ES	cell migration	Red
LOXL1	Red	Red	ES	oxidation reduction	Red
FBLN1	Red	Red	ES	blood coagulation	Red
C9	Red	Red	ES	immune response	Red
VWF	Red	Red	ES	platelet degranulation	Red
C4A	Red	Red	ES	complement activation	Red
CILP2	Red	Red	ES	ECM organisation	Red
SOD3	Red	Red	ES	Response to oxidative stress	Red
PSTPIP2	Red	Red	C	cytoskeleton organization	Red
TMSB4X	Red	Red	C	platelet degranulation	Red
PDLIM7	Red	Red	C	receptor-mediated endocytosis	Red
SULT1A3	Red	Red	C	metabolism	Red
TPM1	Red	Red	C	cell migration	Red
TUBA4A	Red	Red	C	platelet degranulation	Red
IGHV4OR15-1	Red	Red	C	immune response	Red
KRT8	Red	Red	C	keratinization	Red
STMN1	Red	Red	C	cytoskeleton organization	Red
RNF17	Red	Red	C	transcription	Red

PM: Plasma Membrane | N: Nucleus | ES: Extracellular Space | C: Cytoplasm

DEPs with same trend of modulation in tissue and serum: **potential serological markers**

Figure 2