

Table 2

Main functional roles of the identified genes that are differentially regulated between deceased and live kidney donors in the tubulointerstitial compartment. The numbers represent the log 2 of relative expression compared to standard human mRNA to allow display of suppressed genes as negative values. Analytical settings: no filter criteria (100 %) of spotted sequences, SD of 2 in the cluster algorithm, maxT adjustment for multiple testing and Jackknife sensitivity analysis. Given this analytical settings, only one unspecified sequence tag was statistically differentially regulated in the glomerular compartment, Accession number: H80335, CAD=0.3, LIV=-3.5. The results of all other possible analytical settings are displayed as webtable 2 at <http://www.akh-wien.ac.at/nephrogene>.

Gene Symbol	Gene Name	Accession number	Tubulointerst. Expression	
			CAD	LIV
Immune response				
SPP1	secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)	AA775616	5.9	2.5
Complement System				
	Homo sapiens cDNA FLJ36690 fis, clone UTERU2008707, highly similar to COMPLEMENT C1R COMPONENT PRECURSOR (EC 3.4.21.41).	AA041382	2.6	-0.8
ACT like	Homo sapiens transcribed sequence with moderate similarity to protein sp:P01011 (H.sapiens) AACT_HUMAN Alpha-1-antichymotrypsin precursor (ACT)	AW029498	1.7	-3.2
Hemostasis				
SERPINA3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	AA704242	1.7	-2.6
Metabolism (general)				
SOD2	superoxide dismutase 2, mitochondrial	W78148	4.5	0.5
SOD2	superoxide dismutase 2, mitochondrial	T60269	3.7	-0.4
GPX2	glutathione peroxidase 2 (gastrointestinal)	AA135152	2.4	-2.1

Gene Symbol	Gene Name	Accession number	Tubulointerst. Expression	
			CAD	LIV
Cell cycle / Cell division / Cell proliferation				
RARRES1	retinoic acid receptor responder (tazarotene induced) 1	AI261360	5.6	1.0
RARRES1	retinoic acid receptor responder (tazarotene induced) 1	N94424	3.5	-0.6
STAT1	signal transducer and activator of transcription 1, 91kDa	AA076085	1.9	-1.8
others				
CDH6	cadherin 6, type 2, K-cadherin (fetal kidney)	AA421819	5.3	1.9
	Homo sapiens, clone IMAGE:5191182, mRNA	AA865821	6.8	2.8
	Homo sapiens cDNA FLJ33489 fis, clone BRAMY2003585.	AA029361	2.9	-1.5
	Homo sapiens clone DNA26288 WLRW300 (UNQ300) mRNA, complete cds	AA774524	2.5	-1.1