

# Proteomic analysis of pericardial effusions in hematopoietic stem cell transplant recipients

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**Supplementary Table 1. Differential Enrichment analysis of first 100 proteins**

Expr Log Ratio	Expr p-value	Expr False Discovery Rate (q-value)	ID	Flags	Symbol	Entrez Gene Name	Location	Type(s)
3.1	2.7E-06	0.029	LEPROT		LEPROT	leptin receptor overlapping transcript	Plasma Membrane	other
2.4	7.3E-06	0.03	APOB		APOB	apolipoprotein B	Extracellular Space	transporter
1.4	0.00001	0.03	FTMT		FTMT	ferritin mitochondrial	Cytoplasm	enzyme
-0.49	0.000012	0.03	SHC2		SHC2	SHC adaptor protein 2	Cytoplasm	other
-0.92	0.000013	0.03	PIDD1		PIDD1	p53-induced death domain protein 1	Cytoplasm	peptidase
-0.57	0.000016	0.03	CD2BP2		CD2BP2	CD2 cytoplasmic tail binding protein 2	Cytoplasm	other
5.1	0.000025	0.03	CFHR5	D	CFHR5	complement factor H related 5	Extracellular Space	other
-0.84	0.000025	0.03	NEUROD1		NEUROD1	neuronal differentiation 1	Nucleus	transcription regulator
2.6	0.000026	0.03	SLC5A8		SLC5A8	solute carrier family 5 member 8	Plasma Membrane	transporter
-0.47	0.000027	0.03	ST6GALNA C4		ST6GALNA C4	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	Cytoplasm	enzyme

1.1	0.00003	0.03	TNFRSF25	D	TNFRSF25	TNF receptor superfamily member 25	Plasma Membrane	transmembrane receptor
0.9	0.000035	0.032	APBB3	D	APBB3	amyloid beta precursor protein binding family B member 3	Cytoplasm	other
-0.57	0.000045	0.038	HEXIM1	D	HEXIM1	HEXIM P-TEFb complex subunit 1	Nucleus	transcription regulator
0.41	0.000062	0.046	ARHGAP29		ARHGAP29	Rho GTPase activating protein 29	Cytoplasm	other
1.7	0.000071	0.046	HSD3B2		HSD3B2	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	Cytoplasm	enzyme
-0.79	0.000075	0.046	BRD1		BRD1	bromodomain containing 1	Nucleus	transcription regulator
-1.6	0.000076	0.046	LUM		LUM	lumican	Extracellular Space	other
3.9	0.000079	0.046	MRPL58	D	MRPL58	mitochondrial ribosomal protein L58	Cytoplasm	enzyme
-1.6	0.000085	0.046	M1AP		M1AP	meiosis 1 associated protein	Cytoplasm	other
2.3	0.000087	0.046	HAVCR1		HAVCR1	hepatitis A virus cellular receptor 1	Plasma Membrane	other

0.48	0.000089	0.046	IL10RA	D	IL10RA	interleukin 10 receptor subunit alpha	Plasma Membrane	transmembrane receptor
-0.66	0.000091	0.046	SYT17		SYT17	synaptotagmin 17	Plasma Membrane	other
-1.5	0.00011	0.05	RIPK3		RIPK3	receptor interacting serine/threonine kinase 3	Plasma Membrane	kinase
-0.71	0.00011	0.05	RNF157		RNF157	ring finger protein 157	Cytoplasm	enzyme
-1.2	0.00012	0.05	RABIF		RABIF	RAB interacting factor	Other	transporter
-2.4	0.00012	0.05	PPBP	D	PPBP	pro-platelet basic protein	Extracellular Space	cytokine
-2.5	0.00012	0.05	TKTL1		TKTL1	transketolase like 1	Cytoplasm	enzyme
0.95	0.00014	0.056	CALB1		CALB1	calbindin 1	Cytoplasm	other
-0.9	0.00016	0.062	TRAF3IP1		TRAF3IP1	TRAF3 interacting protein 1	Cytoplasm	other
-2.5	0.00017	0.064	PPBP	D	PPBP	pro-platelet basic protein	Extracellular Space	cytokine
3.8	0.00022	0.077	PZP		PZP	PZP alpha-2-macroglobulin like	Extracellular Space	other
2.2	0.00023	0.077	ANGPTL5		ANGPTL5	angiopoietin like 5	Extracellular Space	other
-1.8	0.00023	0.077	MTG2		MTG2	mitochondrial ribosome associated GTPase 2	Cytoplasm	enzyme

1.4	0.00026	0.085	ULBP2	D	ULBP2	UL16 binding protein 2	Plasma Membrane	transmembrane receptor
-2.3	0.00029	0.092	PPBP	D	PPBP	pro-platelet basic protein	Extracellular Space	cytokine
1.4	0.0003	0.092	POLA1		POLA1	DNA polymerase alpha 1, catalytic subunit	Nucleus	enzyme
-0.91	0.00032	0.096	NXF2		NXF2/NXF2 B	nuclear RNA export factor 2	Nucleus	transporter
1.3	0.00034	0.1	TLR8		TLR8	toll like receptor 8	Plasma Membrane	transmembrane receptor
1.8	0.00038	0.1	NOG	D	NOG	noggin	Extracellular Space	growth factor
0.94	0.00039	0.1	PSMB3		PSMB3	proteasome 20S subunit beta 3	Cytoplasm	peptidase
1.5	0.00039	0.1	FBN1		FBN1	fibrillin 1	Extracellular Space	other
-0.53	0.0004	0.1	ERCC6L2		ERCC6L2	ERCC excision repair 6 like 2	Nucleus	enzyme
-0.86	0.00041	0.1	FAM78B		FAM78B	family with sequence similarity 78 member B	Other	other
4.6	0.00042	0.1	APOF		APOF	apolipoprotein F	Extracellular Space	other
1.8	0.00042	0.1	ENTPD1	D	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	Plasma Membrane	enzyme

0.74	0.00044	0.1	CDC25A		CDC25A	cell division cycle 25A	Nucleus	phosphatase
-0.55	0.00044	0.1	PARN		PARN	poly(A)-specific ribonuclease	Nucleus	enzyme
0.78	0.00045	0.1	CHI3L2		CHI3L2	chitinase 3 like 2	Extracellular Space	enzyme
1.1	0.00046	0.1	NOG	D	NOG	noggin	Extracellular Space	growth factor
1.6	0.00049	0.11	ETV2		ETV2	ETS variant transcription factor 2	Nucleus	transcription regulator
-1.8	0.00051	0.11	PDCD10		PDCD10	programmed cell death 10	Cytoplasm	other
2.1	0.00052	0.11	KISS1		KISS1	KiSS-1 metastasis suppressor	Cytoplasm	other
2.2	0.00054	0.11	AATK		AATK	apoptosis associated tyrosine kinase	Cytoplasm	kinase
2.7	0.00054	0.11	PLXDC1		PLXDC1	plexin domain containing 1	Plasma Membrane	other
-1	0.00055	0.11	CRYBB2		CRYBB2	crystallin beta B2	Other	other
1.4	0.00057	0.11	FBXL4	D	FBXL4	F-box and leucine rich repeat protein 4	Nucleus	other
0.72	0.00057	0.11	SPCS1		SPCS1	signal peptidase complex subunit 1	Cytoplasm	peptidase
0.74	0.00057	0.11	WBP2NL		WBP2NL	WBP2 N-terminal like	Cytoplasm	other

2.4	0.00059	0.11	TXNDC12	D	TXNDC12	thioredoxin domain containing 12	Cytoplasm	enzyme
1.2	0.00063	0.12	A1BG		A1BG	alpha-1-B glycoprotein	Extracellular Space	other
-0.83	0.00064	0.12	KLK3	D	KLK3	kallikrein related peptidase 3	Extracellular Space	peptidase
-1.6	0.00065	0.12	PPP3CA	D	PPP3CA	protein phosphatase 3 catalytic subunit alpha	Cytoplasm	phosphatase
0.81	0.00068	0.12	TCP11		TCP11	t-complex 11	Cytoplasm	other
1.2	0.00071	0.12	PSD2		PSD2	pleckstrin and Sec7 domain containing 2	Plasma Membrane	other
-0.44	0.00073	0.12	GUCY2C		GUCY2C	guanylate cyclase 2C	Plasma Membrane	kinase
0.72	0.00074	0.12	NAALADL1		NAALADL1	N-acetylated alpha-linked acidic dipeptidase like 1	Plasma Membrane	peptidase
-2.1	0.00076	0.12	PTOV1		PTOV1	PTOV1 extended AT-hook containing adaptor protein	Nucleus	other
0.91	0.00077	0.12	IL17RC		IL17RC	interleukin 17 receptor C	Plasma Membrane	transmembrane receptor
0.74	0.00078	0.12	EDA2R		EDA2R	ectodysplasin A2 receptor	Plasma Membrane	transmembrane receptor

-1.3	0.0008	0.13	KLF15		KLF15	KLF transcription factor 15	Nucleus	transcription regulator
-3.9	0.0008	0.13	CA3		CA3	carbonic anhydrase 3	Cytoplasm	enzyme
-2.9	0.00082	0.13	MAPK10		MAPK10	mitogen-activated protein kinase 10	Cytoplasm	kinase
-1.1	0.00086	0.13	PHAX		PHAX	phosphorylated adaptor for RNA export	Cytoplasm	other
1.7	0.00086	0.13	BNC1		BNC1	basonuclein zinc finger protein 1	Nucleus	transcription regulator
-0.72	0.0009	0.13	PLAA		PLAA	phospholipase A2 activating protein	Cytoplasm	other
-0.59	0.00091	0.13	PTP4A3		PTP4A3	protein tyrosine phosphatase 4A3	Plasma Membrane	phosphatase
-2.6	0.00091	0.13	SHOC2		SHOC2	SHOC2 leucine rich repeat scaffold protein	Cytoplasm	other
2.7	0.00092	0.13	CSN3		CSN3	casein kappa	Extracellular Space	other
1.8	0.00094	0.13	P2RX4		P2RX4	purinergic receptor P2X 4	Plasma Membrane	ion channel
-0.81	0.00095	0.13	CCL20		CCL20	C-C motif chemokine ligand 20	Extracellular Space	cytokine
-0.98	0.00096	0.13	RASSF5		RASSF5	Ras association domain family member 5	Plasma Membrane	other

1.4	0.00096	0.13	CANT1		CANT1	calcium activated nucleotidase 1	Extracellular Space	enzyme
-0.93	0.00097	0.13	UNC5CL		UNC5CL	unc-5 family C-terminal like	Cytoplasm	peptidase
-1.2	0.001	0.13	MSANTD2		MSANTD2	Myb/SANT DNA binding domain containing 2	Other	other
0.77	0.0011	0.14	FARS2		FARS2	phenylalanyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
2	0.0011	0.14	CXCL3	D	CXCL3	C-X-C motif chemokine ligand 3	Extracellular Space	cytokine
1.7	0.0011	0.14	CASTOR1		CASTOR1	cytosolic arginine sensor for mTORC1 subunit 1	Cytoplasm	other
-1.4	0.0012	0.15	CAND1		CAND1	cullin associated and neddylation dissociated 1	Cytoplasm	transcription regulator
2.2	0.0012	0.15	LTA4H		LTA4H	leukotriene A4 hydrolase	Cytoplasm	enzyme
0.5	0.0012	0.15	TCP11L2		TCP11L2	t-complex 11 like 2	Cytoplasm	other
-0.87	0.0012	0.15	BCAR3	D	BCAR3	BCAR3 adaptor protein, NSP family member	Cytoplasm	other
0.86	0.0013	0.15	PCDHB2		PCDHB2	protocadherin beta 2	Plasma Membrane	other

-0.58	0.0013	0.15	HOXA9		HOXA9	homeobox A9	Nucleus	transcription regulator
-0.25	0.0014	0.16	TFEC		TFEC	transcription factor EC	Nucleus	transcription regulator
-0.63	0.0014	0.16	ARHGAP17		ARHGAP17	Rho GTPase activating protein 17	Cytoplasm	other
1.2	0.0014	0.16	PRKAB1		PRKAB1	protein kinase AMP-activated non-catalytic subunit beta 1	Nucleus	kinase
0.55	0.0014	0.16	UPK3A		UPK3A	uroplakin 3A	Cytoplasm	other
3	0.0014	0.16	SURF1		SURF1	SURF1 cytochrome c oxidase assembly factor	Cytoplasm	enzyme

The first 100 differentially expressed proteins are shown, with columns indicating log ratio,  $p$ -value,  $q$ -value, gene symbol, and annotation. The full dataset (>10,000 entries) is available upon request.