

Table SI. Significantly differentially expressed mRNAs of GSE19089 data series with the criteria of adjusted P<0.05 and logFC>1.5.

Probe ID	Adjusted P-value	LogFC	Gene symbol	Gene title
ILMN_1740586	0.0016	-3.0593	PTHLH	phospholipase A2 group IIA
ILMN_1705080	0.0016	-5.0044	PTHLH	secreted LY6/PLAUR domain containing 1
ILMN_1749118	0.0019	3.1363	LAMC2	calmodulin like 5
ILMN_1800341	0.0019	2.4138	CALML5	WD repeat domain 66
ILMN_1674460	0.0019	-2.4821	IRX4	ATPase sarcoplasmic/endoplasmic reticulum Ca <sup>2+</sup> transporting 1
ILMN_1675857	0.0019	2.0803	WDR66	collagen type IV $\alpha$ 6 chain
ILMN_1726666	0.0038	-3.8331	SLC7A8	glutathione peroxidase 3
ILMN_2056606	0.0047	-2.1260	SLC2A1	protein phosphatase 1 regulatory inhibitor subunit 1A
ILMN_2115125	0.0051	-1.7534	ALG1L	connective tissue growth factor
ILMN_1668072	0.0051	-2.7854	HIST2H2AA3	phosphoglycerate mutase 2
ILMN_1739576	0.0053	1.6410	COL4A6	cytochrome b5 reductase 2
ILMN_1807894	0.0071	2.3723	HOXB7	solute carrier family 7 member 8
ILMN_2314169	0.0071	3.5186	ISG15	parathyroid hormone like hormone
ILMN_1775175	0.0071	-2.2869	HIST1H2BK	ribosomal protein L3 like
ILMN_1810191	0.0073	-2.2843	HIST2H2AC	phospholipase A2 group IVC
ILMN_1800225	0.0073	-2.0751	PPP1R14C	peroxisome proliferator activated receptor $\gamma$
ILMN_1720984	0.0073	-5.5257	NDRG4	serine peptidase inhibitor Kazal type 7 (putative)
ILMN_1764557	0.0073	-2.6854	VTCN1	fat storage inducing transmembrane protein 1
ILMN_1760849	0.0077	1.5798	HIST2H2AA3	neuropilin and tolloid like 2
ILMN_1713534	0.0100	-2.1515	HIST1H2BD	LIM domain binding 3
ILMN_1699772	0.0100	-2.5015	CEP55	Ras related GTP binding D
ILMN_2073592	0.0100	-2.2290	HIST1H2BK	cullin associated and neddylation dissociated 2 (putative)
ILMN_1682176	0.0100	-1.9781	CASK	C-type lectin domain family 3 member B
ILMN_1699829	0.0100	-1.6705	CYB5R2	connective tissue growth factor
ILMN_1671149	0.0102	-2.0664	XPR1	maternally expressed 3 (non-protein coding)
ILMN_1752755	0.0123	-2.2081	ACOT7	von Willebrand factor

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ILMN_1698020	0.0123	-1.5779	ALG1L	DLC1 Rho GTPase activating protein
ILMN_1775549	0.0123	-3.3317	NETO2	protease serine 27
ILMN_1707124	0.0123	-2.3185	WNT10A	tissue factor pathway inhibitor
ILMN_1785699	0.0123	3.7184	SDC4	parathyroid hormone like hormone
ILMN_1712673	0.0130	-2.8040	FAT1	SAM and SH3 domain containing 1
ILMN_1664855	0.0137	1.9055	HIST1H2BD	protein phosphatase 1 regulatory inhibitor subunit 14C
ILMN_2104106	0.0147	1.6360	LAMA3	xenotropic and polytropic retrovirus receptor 1
ILMN_1798992	0.0156	-3.0295	PLEK2	myosin light chain 3
ILMN_1701424	0.0156	3.4207	RNASE4	laminin subunit $\gamma$ 2
ILMN_1713450	0.0156	-2.0521	DPT	myosin light chain 6B
ILMN_1740265	0.0156	1.6294	DLC1	acyl-CoA thioesterase 7
ILMN_1781388	0.0156	-2.3541	MLIP	phosphoglucomutase 5
ILMN_1727220	0.0156	-6.6883	PGM5	cornulin
ILMN_1709590	0.0157	-2.6110	DEPTOR	phosphoglucomutase 5
ILMN_1748473	0.0157	-2.0820	CTGF	GTPase IMAP family member 4
ILMN_2131293	0.0157	2.3309	HFE2	ALG1 chitobiosyldiphosphodolichol $\beta$ -mannosyltransferase like
ILMN_2355486	0.0157	-1.8668	NFIX	family with sequence similarity 3 member B
ILMN_1666191	0.0157	-2.8991	CAPN5	kallikrein related peptidase 13
ILMN_1654773	0.0157	1.6426	COBL	calcium/calmodulin dependent serine protein kinase
ILMN_1744765	0.0157	-5.8883	GYPC	keratin 4
ILMN_1797519	0.0157	-2.2345	CLIC5	$\delta$ like non-canonical Notch ligand 1
ILMN_1655498	0.0161	-2.4260	CTGF	chromosome 16 open reading frame 92
ILMN_1720849	0.0171	-1.9088	DEPTOR	phosphorylase glycogen muscle
ILMN_1722670	0.0171	-3.1933	NMRK2	Ly6/neurotoxin 1
ILMN_2185984	0.0171	-2.8240	SORBS1	SAM and SH3 domain containing 1
ILMN_1762764	0.0173	-2.6135	LMCD1	SH3 domain binding glutamate rich protein like 2
ILMN_2076600	0.0173	-3.1655	FAM3B	integral membrane protein 2A
ILMN_1812615	0.0175	-3.1014	CH25H	myosin binding protein C slow type

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ILMN_1711888	0.0186	-1.7040	CEACAM1	cordon-bleu WH2 repeat protein
ILMN_1730229	0.0186	-3.1331	TPM3	cingulin like 1
ILMN_1680424	0.0186	-2.7455	NNAT	cathepsin G
ILMN_2412046	0.0188	-2.4363	MAP3K7CL	tripartite motif containing 54
ILMN_1658426	0.0201	1.5616	PYGM	Wnt family member 10A
ILMN_2271149	0.0215	-1.6648	GIMAP7	phosphoglucomutase 5
ILMN_1659027	0.0217	2.3538	MAPT	solute carrier family 2 member 1
ILMN_1784287	0.0220	-2.3648	PTGDS	transforming growth factor $\beta$ receptor 3
ILMN_1748675	0.0225	-5.2135	GYPC	transmembrane protease serine 11B
ILMN_1749792	0.0251	-1.8314	CLEC3B	sorbin and SH3 domain containing 1
ILMN_1651496	0.0251	1.7867	N4BP2L2	histone cluster 1 H2bd
ILMN_1781148	0.0251	-2.4963	SLC25A4	ankyrin repeat and SOCS box containing 10
ILMN_2320330	0.0251	-6.0693	TFPI	mal T-cell differentiation protein
ILMN_1768973	0.0254	1.9199	CD34	histone cluster 2 H2ac
ILMN_1681670	0.0254	-2.0630	MYL6B	solute carrier family 25 member 4
ILMN_1736670	0.0254	-3.8890	MGLL	protein phosphatase 1 regulatory subunit 3C
ILMN_1693428	0.0254	-5.2112	SLC25A4	troponin C2 fast skeletal type
ILMN_1697448	0.0254	-2.5899	MEG3	thioredoxin interacting protein
ILMN_1713397	0.0254	-2.8287	PPARG	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish)
ILMN_1813949	0.0254	-2.6059	GIMAP4	calsequestrin 1
ILMN_1702125	0.0254	1.9980	PPP1R1A	homeobox B7
ILMN_1747016	0.0258	1.7157	CLIC3	centrosomal protein 55
ILMN_2411511	0.0261	-2.6403	FAM189A2	kallikrein related peptidase 12
ILMN_1662619	0.0261	-2.0237	LDB3	tissue factor pathway inhibitor
ILMN_2341229	0.0269	-2.3920	NDRG2	CD34 molecule
ILMN_1761084	0.0269	-2.8515	VWF	fibronectin type III domain containing 5
ILMN_2054019	0.0269	1.9456	CAND2	ISG15 ubiquitin-like modifier
ILMN_1754048	0.0269	-2.4533	DLK1	kelch like family member 40

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ILMN_1682332	0.0277	-1.7051	PLA2G4C	glycophorin C (Gerbich blood group)
ILMN_2172755	0.0278	-1.6652	RPL3L	DEP domain containing MTOR-interacting protein
ILMN_2305225	0.0287	1.8806	PLAC9	NDRG family member 4
ILMN_1756685	0.0308	-1.8140	TFPI	DEP domain containing MTOR-interacting protein
ILMN_1688892	0.0309	1.5264	FAM107A	laminin subunit $\alpha$ 3
ILMN_1684108	0.0310	2.7053	PGM5	iroquois homeobox 4
ILMN_1662419	0.0316	-3.9636	TGFBR3	cytochrome c oxidase subunit 7A1
ILMN_1737089	0.0316	-1.6964	CD34	calpain 5
ILMN_1754969	0.0317	-1.8447	C16orf92	LIM and cysteine rich domains 1
ILMN_2324584	0.0317	-4.0481	TRIM54	hemochromatosis type 2 (juvenile)
ILMN_1668039	0.0321	-1.9605	KLHL40	glycophorin C (Gerbich blood group)
ILMN_1700978	0.0324	-3.2368	ATP2A1	mucin 21 cell surface associated
ILMN_1664464	0.0327	-1.9338	SPARCL1	prostaglandin D2 synthase
ILMN_1657708	0.0329	-2.0560	ASB10	monoglyceride lipase
ILMN_1759312	0.0332	-3.3046	RRAGD	adenosine monophosphate deaminase 1
ILMN_1731157	0.0333	-4.2780	PDLIM5	myozenin 1
ILMN_1814106	0.0333	-2.8433	MYH11	cysteine rich tail 1
ILMN_1769789	0.0333	-1.6461	CAMK2B	muscular LMNA-interacting protein
ILMN_1782084	0.0333	1.6286	FAM3D	ALG1 chitobiosyldiphosphodolichol $\beta$ -mannosyltransferase like
ILMN_2211780	0.0337	-2.0207	CEACAM1	solute carrier family 25 member 4
ILMN_1753101	0.0354	1.8721	TXNIP	V-set domain containing T cell activation inhibitor 1
ILMN_1811470	0.0356	1.5194	CASQ1	pleckstrin 2
ILMN_2337974	0.0356	-3.1029	PGM5	protein kinase (cAMP-dependent catalytic) inhibitor $\alpha$
ILMN_1813314	0.0361	1.6499	SH3BGRL2	histone cluster 1 H2bk
ILMN_2361603	0.0361	-2.1892	KLK12	NDRG family member 2
ILMN_1743445	0.0361	-2.3474	PODN	family with sequence similarity 107 member A
ILMN_1721283	0.0361	-3.4953	FITM1	heat shock protein family B (small) member 6
ILMN_2376771	0.0374	-3.2442	CTSG	ATR serine/threonine kinase

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ILMN_2310814	0.0386	-1.9317	PGAM2	microtubule associated protein tau
ILMN_1776678	0.0388	-1.9137	SASH1	GTPase IMAP family member 7
ILMN_1741021	0.0388	-1.8724	MEG3	cholesterol 25-hydroxylase
ILMN_1795119	0.0388	-3.5068	SASH1	myosin heavy chain 3 skeletal muscle embryonic
ILMN_2367694	0.0389	-1.6856	NCCRP1	hemochromatosis type 2 (juvenile)
ILMN_2371724	0.0398	-1.8816	CYSRT1	carcinoembryonic antigen related cell adhesion molecule 1
ILMN_2365383	0.0404	-4.5754	FNDC5	enolase 3
ILMN_1716733	0.0404	-2.8559	MYOM2	myomesin 2
ILMN_1732799	0.0412	-2.0295	KLK13	CD34 molecule
ILMN_1691413	0.0412	-1.9015	MYL3	neuronatin
ILMN_1697567	0.0413	-1.8853	PLA2G2A	tropomyosin 3
ILMN_2061435	0.0435	-2.8105	MYBPC1	maternally expressed 3 (non-protein coding)
ILMN_1753439	0.0435	-3.5496	PKIA	repetin
ILMN_1680344	0.0435	-4.3497	CGNL1	myomesin 1
ILMN_1754795	0.0440	1.5404	ITM2A	FAT atypical cadherin 1
ILMN_1778964	0.0444	-1.7295	LYNX1	chloride intracellular channel 5
ILMN_2361478	0.0444	-2.5405	MUC21	PDZ and LIM domain 5
ILMN_1795251	0.0446	-2.4861	ATR	SPARC like 1
ILMN_1660086	0.0446	-2.5426	AMPD1	myosin heavy chain 11
ILMN_2376194	0.0448	-2.5442	PRSS27	calcium/calmodulin dependent protein kinase II $\beta$
ILMN_1776602	0.0449	-1.5544	HOPX	ribonuclease A family member 4
ILMN_2179717	0.0453	-2.1369	HSPB6	family with sequence similarity 189 member A2
ILMN_1694325	0.0455	-1.6892	MYH3	nuclear factor I X
ILMN_1770800	0.0457	-2.6699	RPTN	podocan
ILMN_1737561	0.0458	-1.9852	SRL	NEDD4 binding protein 2 like 2
ILMN_1736692	0.0460	-3.7077	SPINK5	sarcalumenin
ILMN_1796179	0.0462	1.9292	GPX3	histone cluster 1 H2bk
ILMN_1663042	0.0471	1.5605	PPP1R3C	syndecan 4

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ILMN_2316236	0.0471	-3.3757	COX7A1	HOP homeobox
ILMN_1796423	0.0473	-2.1367	HFE2	chloride intracellular channel 3
ILMN_1708107	0.0473	-1.5708	MYOZ1	dermatopontin
ILMN_1720433	0.0473	-2.5752	MYOM1	family with sequence similarity 3 member D
ILMN_1790859	0.0473	-2.3054	ENO3	placenta specific 9
ILMN_2144426	0.0480	2.0954	SLURP1	histone cluster 2 H2aa3
ILMN_1690017	0.0487	-3.7117	TNNC2	serine peptidase inhibitor Kazal type 5
ILMN_1699071	0.0487	-1.9052	TMPRSS11B	MAP3K7 C-terminal like
ILMN_1776850	0.0487	-1.8280	SPINK7	nicotinamide riboside kinase 2
ILMN_1758623	0.0495	1.5387	KRT4	histone cluster 1 H2bd
ILMN_1659047	0.0495	1.8347	MAL	histone cluster 2 H2aa3
ILMN_1716815	0.0495	-2.5803	CRNN	carcinoembryonic antigen related cell adhesion molecule 1

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FC, fold-change.