

SUPPLEMENTARY TABLE S2. LIST OF ANTIGENS CONSISTENTLY AND SPECIFICALLY EXPRESSED WITHIN
TUNICA INTIMA OF VESSEL WALLS IN NORMAL ADULT HUMAN ADIPOSE TISSUE WITHIN THE HUMAN PROTEIN ATLAS

<i>Ensg_id</i>	<i>Gene name</i>	<i>Location within vascular wall</i>	<i>Subcellular location</i>
ENSG00000 277758	ABC7-42404400 C24.1	Intima	Intracellular, membrane protein
ENSG00000 135776	ABCB10	Intima	Membrane protein
ENSG00000 131269	ABCB7	Intima	Intracellular, membrane protein
ENSG00000 108798	ABI3	Intima, media	Intracellular protein
ENSG00000 213088	ACKR1	Intima	Membrane protein
ENSG00000 181092	ADIPOQ	Intima	Secreted protein
ENSG00000 111863	ADTRP	Intima	Membrane protein
ENSG00000 121057	AKAP1	Intima	Intracellular, membrane protein
ENSG00000 182858	ALG12	Intima	Membrane protein
ENSG00000 198720	ANKRD13B	Intima	Intracellular protein
ENSG00000 167612	ANKRD33	Intima, media	Intracellular protein
ENSG00000 164236	ANKRD33B	Intima	Intracellular protein
ENSG00000 088756	ARHGAP28	Intima	Intracellular protein
ENSG00000 058668	ATP2B4	Intima	Intracellular, membrane protein
ENSG000000 64270	ATP2C2	Intima	Membrane protein
ENSG00000 183778	B3GALT5	Intima	Intracellular, secreted protein
ENSG00000 156966	B3GNT7	Intima	Secreted protein
ENSG00000 126581	BECN1	Intima	Intracellular protein
ENSG00000 174456	C12orf76	Intima	Intracellular, secreted, membrane protein
ENSG00000 205363	C15orf59	Intima	Intracellular protein
ENSG00000 157181	C1orf27	Intima, media	Membrane protein
ENSG00000 130349	C6orf203	Intima, media	Intracellular protein
ENSG00000 135387	CAPRIN1	Intima, media	Intracellular protein
ENSG00000 105974	CAV1	Intima	Membrane protein
ENSG00000 105971	CAV2	Intima, media	Intracellular, membrane protein
ENSG00000 150636	CCDC102B	Intima	Intracellular protein
ENSG00000 163081	CCDC140	Intima	Intracellular protein
ENSG00000 176155	CCDC57	Intima, media	Intracellular protein
ENSG00000 125810	CD93	Intima	Membrane protein
ENSG00000 183034	CDCP1	Intima	Membrane protein
ENSG00000 166582	CENPV	Intima, media	Intracellular protein
ENSG00000 135315	CEP162	Intima	Intracellular protein
ENSG00000 147457	CHMP7	Intima, media	Intracellular protein
ENSG00000 169504	CLIC4	Intima	Intracellular protein
ENSG00000 137392	CLPS	Intima	Intracellular, secreted protein
ENSG00000 133313	CNDP2	Intima	Intracellular protein
ENSG00000 117519	CNN3	Intima, media	Intracellular protein
ENSG00000 125107	CNOT1	Intima, media	Intracellular, membrane protein
ENSG00000 170037	CNTROB	Intima, media	Intracellular protein
ENSG00000 204291	COL15A1	Intima	Secreted protein
ENSG00000 0134871	COL4A2	Intima	Intracellular protein
ENSG00000 103426	CORO7-PAM16	Intima	Intracellular protein
ENSG00000 182809	CRIP2	Intima, media	Intracellular protein
ENSG00000 171793	CTPS1	Intima, media	Intracellular protein
ENSG00000 155016	CYP2U1	Intima	Membrane protein
ENSG00000 181381	DDX60L	Intima	Intracellular protein
ENSG00000 105928	DFNA5	Intima	Intracellular, secreted protein
ENSG00000 147202	DIAPH2	Intima	Intracellular protein
ENSG00000 269502	DMRTC1	Intima	Intracellular protein
ENSG00000 150760	DOCK1	Intima	Intracellular protein
ENSG00000 254986	DPP3	Intima, media	Intracellular protein
ENSG00000 203965	EFCAB7	Intima	Intracellular protein
ENSG00000 110047	EHD1	Intima, adventitia	Intracellular protein
ENSG00000 125977	EIF2S2	Intima	Intracellular protein
ENSG00000 164181	ELOVL7	Intima	Membrane protein
ENSG00000 143924	EML4	Intima	Intracellular protein
ENSG00000 106991	ENG	Intima	Membrane protein
ENSG00000 068912	ERLEC1	Intima	Secreted protein
ENSG00000 148468	FAM171A1	Intima, media	Membrane, secreted protein
ENSG00000 144649	FAM198A	Intima	Intracellular, secreted protein

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SUPPLEMENTARY TABLE S2. (CONTINUED)

<i>Ensg_id</i>	<i>Gene name</i>	<i>Location within vascular wall</i>	<i>Subcellular location</i>
ENSG00000108306	FBXL20	Intima	Intracellular protein
ENSG00000111790	FGFR10P2	Intima, media	Intracellular protein
ENSG00000161791	FMNL3	Intima	Intracellular protein
ENSG00000217128	FNIP1	Intima	Intracellular protein
ENSG00000075539	FRYL	Intima	Intracellular protein
ENSG00000136895	GARNL3	Intima	Intracellular protein
ENSG00000146013	GFRA3	Intima	Membrane protein
ENSG00000159248	GJD2	Intima	Membrane protein
ENSG00000139433	GLTP	Intima	Intracellular protein
ENSG00000114450	GNB4	Intima, media	Intracellular protein
ENSG00000135677	GNS	Intima	Intracellular, secreted protein
ENSG00000164850	GPB1	Intima, media	Intracellular protein
ENSG00000177464	GPR4	Intima, media	Membrane protein
ENSG00000198932	GPRASP1	Intima	Intracellular protein
ENSG00000182793	GSTA5	Intima	Intracellular protein
ENSG00000075218	GTSE1	Intima	Intracellular protein
ENSG00000061918	GUCY1B3	Intima	Intracellular protein
ENSG00000165259	HDX	Intima	Intracellular protein
ENSG00000068097	HEATR6	Intima, media	Intracellular protein
ENSG00000113845	HLA-DRA	Intima	Membrane, secreted protein
ENSG00000172987	HPSE2	Intima	Intracellular, secreted protein
ENSG00000157219	HTR5A	Intima	Membrane protein
ENSG00000067704	IARS2	Intima	Intracellular protein
ENSG00000119917	IFIT3	Intima	Intracellular protein
ENSG00000109083	IFT20	Intima, media	Intracellular protein
ENSG00000152580	IGSF10	Intima	Intracellular, secreted protein
ENSG00000216588	IGSF23	Intima, media	Intracellular, membrane protein
ENSG00000164880	INTS1	Intima, media	Intracellular, membrane protein
ENSG00000065150	IPO5	Intima	Intracellular protein
ENSG00000198001	IRAK4	Intima, media	Intracellular protein
ENSG00000164171	ITGA2	Intima	Membrane protein
ENSG00000186994	KANK3	Intima	Intracellular protein
ENSG00000120696	KBTBD7	Intima	Intracellular protein
ENSG00000140015	KCNH5	Intima, media	Membrane protein
ENSG00000186795	KCNK18	Intima	Membrane protein
ENSG00000198920	KIAA0753	Intima, media	Intracellular protein
ENSG00000136883	KIF12	Intima, media	Intracellular protein
ENSG00000178502	KLHL11	Intima	Secreted protein
ENSG00000135537	LACE1	Intima, media	Intracellular, secreted protein
ENSG00000135338	LCA5	Intima	Intracellular protein
ENSG00000205629	LCMT1	Intima	Intracellular protein
ENSG00000071282	LMCD1	Intima	Intracellular protein
ENSG00000154359	LONRF1	Intima, media	Intracellular protein
ENSG00000132128	LRRC41	Intima	Intracellular protein
ENSG00000131409	LRRC4B	Intima	Membrane, secreted protein
ENSG00000171488	LRRC8C	Intima	Membrane protein
ENSG00000177363	LRRN4CL	Intima	Membrane protein
ENSG00000112799	LY86	Intima	Secreted protein
ENSG00000189023	MAGEB16	Intima	Intracellular protein
ENSG00000186675	MAGEE2	Intima, media	Intracellular protein
ENSG00000047849	MAP4	Intima, media	Intracellular protein
ENSG00000143995	MEIS1	Intima	Intracellular, secreted protein
ENSG00000155545	MIER3	Intima	Intracellular protein
ENSG00000106125	MINDY4	Intima	Intracellular protein
ENSG00000142606	MMEL1	Intima	Intracellular protein
ENSG00000156103	MMP16	Intima	Intracellular, membrane protein
ENSG00000116151	MORN1	Intima, media	Intracellular protein
ENSG00000136522	MRPL47	Intima, media	Intracellular protein
ENSG00000172590	MRPL52	Intima	Intracellular, secreted protein
ENSG00000175110	MRPS22	Intima	Intracellular, secreted protein
ENSG00000100345	MYH9	Intima	Intracellular protein

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SUPPLEMENTARY TABLE S2. (CONTINUED)

<i>Ensg_id</i>	<i>Gene name</i>	<i>Location within vascular wall</i>	<i>Subcellular location</i>
ENSG00000101608	MYL12A	Intima, media	Intracellular protein
ENSG00000111245	MYL2	Intima, media	Intracellular protein
ENSG00000101335	MYL9	Intima, media	Intracellular protein
ENSG00000145555	MYO10	Intima	Intracellular protein
ENSG00000197879	MYO1C	Intima	Intracellular protein
ENSG00000066933	MYO9A	Intima	Intracellular protein
ENSG00000161048	NAPEPLD	Intima	Intracellular protein
ENSG00000160796	NBEAL2	Intima	Intracellular protein
ENSG00000188554	NBR1	Intima	Intracellular protein
ENSG00000136098	NEK3	Intima	Intracellular protein
ENSG00000132688	NES	Intima	Intracellular protein
ENSG00000100968	NFATC4	Intima, media	Intracellular protein
ENSG00000164190	NIPBL	Intima	Intracellular protein
ENSG00000148572	NRBF2	Intima	Intracellular protein
ENSG00000183034	OTOP2	Intima	Membrane protein
ENSG000001280789	PAGR1	Intima	Intracellular protein
ENSG000001099260	PALMD	Intima	Intracellular protein
ENSG00000132849	PATJ	Intima, media	Intracellular protein
ENSG00000163939	PBRM1	Intima	Intracellular protein
ENSG00000136940	PDCL	Intima, media	Intracellular protein
ENSG00000186642	PDE2A	Intima	Intracellular, secreted protein
ENSG000001065485	PDIA5	Intima	Intracellular, secreted protein
ENSG00000185220	PGBD2	Intima	Intracellular protein
ENSG000001078142	PIK3C3	Intima	Intracellular protein
ENSG00000103066	PLA2G15	Intima	Membrane, secreted protein
ENSG00000115556	PLCD4	Intima, adventitia	Intracellular protein
ENSG00000178209	PLEC	Intima	Intracellular protein
ENSG00000189266	PNRC2	Intima, media	Intracellular protein
ENSG00000185250	PPIL6	Intima	Intracellular protein
ENSG00000148840	PPRC1	Intima, media	Intracellular protein
ENSG00000128563	PRKRIP1	Intima	Intracellular protein
ENSG000001008018	PSMB1	Intima	Intracellular protein
ENSG00000173692	PSMD1	Intima	Intracellular, secreted, membrane protein
ENSG00000169398	PTK2	Intima, media	Intracellular protein
ENSG00000177469	PTRF	Intima	Intracellular protein
ENSG000001213339	QTRT1	Intima, media	Intracellular protein
ENSG00000144134	RABL2A	Intima, media	Intracellular protein
ENSG000001204764	RANBP17	Intima, media	Intracellular, membrane protein
ENSG00000140015	RDH16	Intima, media	Membrane protein
ENSG00000128482	RNF112	Intima	Intracellular, membrane protein
ENSG00000141576	RNF157	Intima, media	Intracellular protein
ENSG00000179673	RPRML	Intima	Membrane protein
ENSG00000137154	RPS6	Intima	Intracellular protein
ENSG00000196154	S100A4	Intima	Intracellular protein
ENSG00000133812	SBF2	Intima	Intracellular protein
ENSG00000122545	Septin 7	Intima	Intracellular protein
ENSG00000142864	SERBP1	Intima, media	Intracellular protein
ENSG00000187902	SHISA7	Intima, media	Membrane protein
ENSG00000170085	SIMC1	Intima, media	Intracellular protein
ENSG00000172940	SLC22A13	Intima, media	Membrane protein
ENSG00000163393	SLC22A15	Intima	Membrane protein
ENSG00000100372	SLC25A17	Intima, media	Intracellular protein
ENSG00000145832	SLC25A48	Intima	Intracellular, membrane protein
ENSG00000162695	SLC30A7	Intima, media	Intracellular, membrane protein
ENSG000001065054	SLC9A3R2	Intima	Intracellular protein
ENSG00000185420	SMYD3	Intima	Intracellular protein
ENSG00000173267	SNCG	Intima, media	Intracellular protein
ENSG000001006282	SPATA20	Intima	Intracellular protein
ENSG00000104133	SPG11	Intima	Intracellular, membrane protein
ENSG00000115525	ST3GAL5	Intima	Intracellular, membrane protein
ENSG000001064225	ST3GAL6	Intima, media	Intracellular, membrane protein

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SUPPLEMENTARY TABLE S2. (CONTINUED)

<i>Ensg_id</i>	<i>Gene name</i>	<i>Location within vascular wall</i>	<i>Subcellular location</i>
ENSG00000166263	STXBP4	Intima	Intracellular protein
ENSG00000172340	SUCLG2	Intima	Intracellular protein
ENSG00000175600	SUGCT	Intima, media	Intracellular protein
ENSG00000198168	SVIP	Intima, media	Intracellular protein
ENSG00000116668	SWT1	Intima, media	Intracellular protein
ENSG00000149591	TAGLN	Intima	Intracellular protein
ENSG00000136560	TANK	Intima	Intracellular protein
ENSG00000167202	TBC1D2B	Intima	Intracellular, membrane protein
ENSG00000198933	TBKBP1	Intima	Intracellular protein
ENSG00000152760	TCTEX1D1	Intima	Intracellular protein
ENSG00000265354	TIMM23	Intima, media	Membrane protein
ENSG00000113845	TIMMDC1	Intima	Membrane, secreted protein
ENSG00000137221	TJAP1	Intima	Intracellular protein
ENSG00000170537	TMC7	Intima, media	Membrane protein
ENSG00000166575	TMEM135	Intima	Membrane protein
ENSG00000175606	TMEM70	Intima	Membrane, secreted protein
ENSG00000178297	TMPRSS9	Intima	Membrane protein
ENSG00000145779	TNFAIP8	Intima	Intracellular protein
ENSG00000140416	TPM1	Intima, media	Intracellular, membrane protein
ENSG00000198467	TPM2	Intima	Intracellular protein
ENSG00000107614	TRDMT1	Intima	Intracellular protein
ENSG00000144015	TRIM43	Intima, media	Intracellular protein
ENSG00000183718	TRIM52	Intima	Intracellular protein
ENSG00000169871	TRIM56	Intima, media	Intracellular protein
ENSG00000005379	TSPOAP1	Intima	Intracellular protein
ENSG00000119685	TTLL5	Intima, media	Intracellular protein
ENSG00000070010	UFD1L	Intima	Intracellular protein
ENSG00000165633	VSTM4	Intima, media	Membrane, secreted protein
ENSG00000146530	VWDE	Intima	Intracellular, secreted protein
ENSG00000110799	VWF	Intima	Secreted protein
ENSG00000120860	WASHC3	Intima	Intracellular protein
ENSG00000047056	WDR37	Intima, adventitia	Intracellular protein
ENSG00000135925	WNT10A	Intima	Intracellular, membrane protein
ENSG00000137693	YAP1	Intima	Intracellular protein
ENSG00000163872	YEATS2	Intima, media	Intracellular protein
ENSG00000123200	ZC3H13	Intima, media	Intracellular protein
ENSG00000172671	ZFAND4	Intima	Intracellular protein
ENSG00000184939	ZFP90	Intima, adventitia	Intracellular protein
ENSG00000138658	ZGRF1	Intima	Intracellular protein
ENSG00000090612	ZNF268	Intima	Intracellular protein
ENSG00000131845	ZNF304	Intima	Intracellular protein
ENSG00000188033	ZNF490	Intima	Intracellular protein
ENSG00000197343	ZNF655	Intima	Intracellular protein
ENSG00000156853	ZNF689	Intima	Intracellular protein
ENSG00000164684	ZNF704	Intima, media	Intracellular protein
ENSG00000197362	ZNF786	Intima	Intracellular protein
ENSG00000164171	XCR1	Intima	Membrane protein

Two hundred and twenty-nine proteins expressed within the *tunica intima* by tissue microarray (Purple, Fig. 3A). These antigens were further categorized by their subcellular location in Fig. 3B.