Electronic Supplementary Material (ESI) for Food & Function.

Supplementary Table 3. Downregulated gene expressions in THP-1 DC by treatment with GAPDH

PBS	GAPDH	GAPDH/PBS	GENE	Product
1893	160	0.08	RPL7A	ribosomal protein L7a
1031	105	0.10	CYFIP1	cytoplasmic FMR1 interacting protein 1, transcript variant 10
1786	199	0.11	RPS6KA1	ribosomal protein S6 kinase A1, transcript variant 3
707	96	0.14	HNRNPR	heterogeneous nuclear ribonucleoprotein R, transcript variant 6
1490	232	0.16	SLC25A6	solute carrier family 25 member 6
1210	196	0.16	SEMA7A	semaphorin 7A (John Milton Hagen blood group), transcript variant 2
652	108	0.17	EIF5A	eukaryotic translation initiation factor 5A, transcript variant A
1339	231	0.17	PSME2	proteasome activator subunit 2, transcript variant X1
324	99	0.31	INTS3	integrator complex subunit 3, transcript variant 1
949	292	0.31	CCL5	C-C motif chemokine ligand 5, transcript variant 1
302	94	0.31	PHF1	PHD finger protein 1, transcript variant 3
1282	419	0.33	MGAT4B	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B, transcript variant 2
262	97	0.37	PIP4K2B	phosphatidylinositol-5-phosphate 4-kinase type 2 beta
354	138	0.39	IPO4	importin 4, transcript variant 2
1222	477	0.39	PSMB3	proteasome subunit beta 3, transcript variant 3
416	164	0.39	CEP170	centrosomal protein 170, transcript variant X12
597	236	0.40	RNH1	ribonuclease/angiogenin inhibitor 1, transcript variant 4
280	116	0.41	PTPRC	protein tyrosine phosphatase receptor type C, transcript variant 1
317	132	0.42	HNRNPH1	heterogeneous nuclear ribonucleoprotein H1, transcript variant 20
315	142	0.45	NCF4	neutrophil cytosolic factor 4, transcript variant 2
672	313	0.47	EIF3C	eukaryotic translation initiation factor 3 subunit C, transcript variant 3
1252	599	0.48	GPRIN3	GPRIN family member 3, transcript variant X4
259	135	0.52	GPR89A	G protein-coupled receptor 89A, transcript variant X5
231	121	0.52	RGS4	regulator of G protein signaling 4, transcript variant 3
217	116	0.53	ADORA3	adenosine A3 receptor, transcript variant A
512	277	0.54	UBASH3B	ubiquitin associated and SH3 domain containing B, transcript variant 2
985	537	0.55	NOMO1	NODAL modulator 1
621	341	0.55	RASA3	RAS p21 protein activator 3, transcript variant 2
285	158	0.55	CARS	cysteinyl-tRNA synthetase, transcript variant 4
392	221	0.56	TBC1D9B	TBC1 domain family member 9B, transcript variant 2
157	89	0.57	TCEA1P2	
1968	1118	0.57	MERTK	MER proto-oncogene, tyrosine kinase
161	92	0.57	EME1	essential meiotic structure-specific endonuclease 1, transcript variant X2
213	123	0.58	LOC107986031	uncharacterized LOC107986031
304	176	0.58	NXPH3	neurexophilin 3
314	184	0.59	ITGA2	integrin subunit alpha 2, transcript variant 3
179	105	0.59	KIAA0754	KIAA0754
242	142	0.59	LRRC25	leucine rich repeat containing 25, transcript variant X2
230	135	0.59	CRIPAK	cysteine rich PAK1 inhibitor
307	181	0.59	B3GALNT2	beta-1,3-N-acetylgalactosaminyltransferase 2, transcript variant 1
430	254	0.59	NUP160	nucleoporin 160, transcript variant 1
316	187	0.59	RTN4R	reticulon 4 receptor
299	177	0.59	SMARCB1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1, transcript variant 4
589	349	0.59	CLPTM1L	CLPTM1 like, transcript variant X5
241	143	0.59	HMCN1	hemicentin 1, transcript variant X2
178	106	0.60	CDCA7	cell division cycle associated 7, transcript variant 1
441	263	0.60	SOCS6	suppressor of cytokine signaling 6, transcript variant X1
356	213	0.60	GAREM1	GRB2 associated regulator of MAPK1 subtype 1, transcript variant X3
270	162	0.60	GRAMD1B	GRAM domain containing 1B, transcript variant 7
1098	662	0.60	PGBD5	piggyBac transposable element derived 5
233	141	0.61	RHOBTB1	Rho related BTB domain containing 1, transcript variant 11
331	201	0.61	ABHD10	abhydrolase domain containing 10, transcript variant 2
1146	696	0.61	EFR3B	EFR3 homolog B, transcript variant 1
271	165	0.61	CDK5R1	cyclin dependent kinase 5 regulatory subunit 1, transcript variant X2
228	139	0.61	GALM	galactose mutarotase
336	205	0.61	THSD7A	thrombospondin type 1 domain containing 7A, transcript variant X4
216	132	0.61	LPAR5	lysophosphatidic acid receptor 5, transcript variant 1
162	99	0.61	TAL1	TAL bHLH transcription factor 1, erythroid differentiation factor, transcript variant X3
1412	864	0.61	CCR1	C-C motif chemokine receptor 1
165	101	0.61	MTHFD2L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2 like, transcript variant 7
165	101	0.61	HHEX	hematopoietically expressed homeobox
1493	919	0.62	CNIH3	cornichon family AMPA receptor auxiliary protein 3, transcript variant 12
214	132	0.62	CORO2A	coronin 2A, transcript variant 2
1366	844	0.62	DDIT4L	DNA damage inducible transcript 4 like
226	140	0.62	HYOU1	hypoxia up-regulated 1, transcript variant X8
208	129	0.62	ST8SIA5	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5, transcript variant X1
158	98	0.62	HDAC6	histone deacetylase 6, transcript variant 10
3219	2006	0.62	CANX	calnexin, transcript variant 3
144	90	0.63	LAIR1	leukocyte associated immunoglobulin like receptor 1, transcript variant c
172	108	0.63	PCDH1	protocadherin 1, transcript variant 1
172	108	0.63	ZNF652	zinc finger protein 652, transcript variant 2
417	262	0.63	STARD13	StAR related lipid transfer domain containing 13, transcript variant 4
183	115	0.63	EPN2	epsin 2, transcript variant 2
895	564	0.63	ARID5B	AT-rich interaction domain 5B, transcript variant X3
222	140	0.63	SASH3	SAM and SH3 domain containing 3, transcript variant X1
751	474	0.63	ETV5	ETS variant 5

197	125	0.63	MX2	MX dynamin like GTPase 2, transcript variant X1
160	102	0.64	RAD51C	RAD51 paralog C, transcript variant 4
229	146	0.64	GPR65	G protein-coupled receptor 65
202	129	0.64	LGR4	leucine rich repeat containing G protein-coupled receptor 4, transcript variant 1
2632	1683	0.64	SPRED1	sprouty related EVH1 domain containing 1, transcript variant X2
167	107	0.64	ZNF347	zinc finger protein 347, transcript variant 3
2197	1408	0.64	TNFRSF21	TNF receptor superfamily member 21, transcript variant X1
424	272	0.64	ZNF395	zinc finger protein 395
835	536	0.64	TLR4	toll like receptor 4, transcript variant 3
782	502	0.64	MTUS1	microtubule associated scaffold protein 1, transcript variant 6
235	151	0.64	SLAMF6	SLAM family member 6, transcript variant 4
272	175	0.64	SCRN1	secernin 1, transcript variant 1
347	224	0.65	GCNT1	glucosaminyl (N-acetyl) transferase 1, transcript variant 3
212	137	0.65	ANKRD63	ankyrin repeat domain 63
315	204	0.65	STRIP2	striatin interacting protein 2, transcript variant X1
137	89	0.65	RTTN	rotatin, transcript variant X8
223	145	0.65	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1, transcript variant 21
1102	717	0.65	SUCNR1	succinate receptor 1
146	95	0.65	CLIC1	chloride intracellular channel 1, transcript variant 1
175	114	0.65	SCAI	suppressor of cancer cell invasion, transcript variant 2
135	88	0.65	LRATD2	LRAT domain containing 2, transcript variant 1
147	96	0.65	SH3RF2	SH3 domain containing ring finger 2, transcript variant X3
228	149	0.65	SYNE1	spectrin repeat containing nuclear envelope protein 1, transcript variant 3
179	117	0.65	DACT1	dishevelled binding antagonist of beta catenin 1, transcript variant 1
324	212	0.65	BRCA2	BRCA2 DNA repair associated
394	258	0.65	NRSN1	neurensin 1
1599	1049	0.66	TLE3	TLE family member 3, transcriptional corepressor, transcript variant X12
446	293	0.66	TLR6	toll like receptor 6
516	339	0.66	LOC101928429	uncharacterized LOC101928429
140	92	0.66	SLC35E4	solute carrier family 35 member E4, transcript variant X1
246	162	0.66	ARFGEF3	ARFGEF family member 3
205	135	0.66	ZC3H6	zinc finger CCCH-type containing 6, transcript variant X1
1023	674	0.66	KCNJ2	potassium voltage-gated channel subfamily J member 2
3343	2203	0.66	CNR1	cannabinoid receptor 1, transcript variant 7
229	151	0.66	CHST14	carbohydrate sulfotransferase 14
194	128	0.66	DLG3	discs large MAGUK scaffold protein 3, transcript variant X5
145	96	0.66	MAP7	microtubule associated protein 7, transcript variant 7
634	420	0.66	EOMES	eomesodermin, transcript variant X1
169	112	0.66	PTPRO	protein tyrosine phosphatase receptor type O, transcript variant 2
286	190	0.66	CUX2	cut like homeobox 2, transcript variant X1
1037	689	0.66	CDCP1	CUB domain containing protein 1, transcript variant X3
465	309	0.66	P2RY1	purinergic receptor P2Y1
399	266	0.67	TRANK1	tetratricopeptide repeat and ankyrin repeat containing 1, transcript variant X1
168	112	0.67	MBOAT1	membrane bound O-acyltransferase domain containing 1, transcript variant X1
138	92	0.67	SPECC1	sperm antigen with calponin homology and coiled-coil domains 1, transcript variant X1
331	221	0.67	ORC1	origin recognition complex subunit 1, transcript variant 2
834	557	0.67	IGFN1	immunoglobulin like and fibronectin type III domain containing 1, transcript variant X6
247	165	0.67	TRIB2	tribbles pseudokinase 2, transcript variant 1
136	91	0.67	TMEM117	transmembrane protein 117, transcript variant X4
576	386	0.67	ARHGAP12	Rho GTPase activating protein 12, transcript variant 4
664	445	0.67	SNTB2	syntrophin beta 2
134	90	0.67	ITGAE	integrin subunit alpha E, transcript variant X6
3545	2384	0.67	ZNF281	zinc finger protein 281, transcript variant 2
342	230	0.67	ARMC10	armadillo repeat containing 10, transcript variant A
1382	930	0.67	IFI16	interferon gamma inducible protein 16, transcript variant X3
805	543	0.67	DAAM1	dishevelled associated activator of morphogenesis 1, transcript variant X2
375	253	0.67	EIF3CL	eukaryotic translation initiation factor 3 subunit C like, transcript variant 1
231	156	0.68	ZNF521	zinc finger protein 521, transcript variant X7
268	181	0.68	TNRC6C-AS1	TNRC6C antisense RNA 1
2560	1729	0.68	TRIM2	tripartite motif containing 2, transcript variant X4
139	94	0.68	LOC100049716	uncharacterized LOC100049716
275	186	0.68	USP18	ubiquitin specific peptidase 18
272	184	0.68	PLEKHG4	pleckstrin homology and RhoGEF domain containing G4, transcript variant 3
668	452	0.68	MAN1C1	mannosidase alpha class 1C member 1, transcript variant X2
390	264	0.68	PPP1R14C	protein phosphatase 1 regulatory inhibitor subunit 14C
647	438	0.68	ZNF469	zinc finger protein 469, transcript variant X2
589	399	0.68	FZD1	frizzled class receptor 1
208	141	0.68	FANCF	FA complementation group F
823	558	0.68	FUT8	fucosyltransferase 8, transcript variant 5
348	236	0.68	TREML1	triggering receptor expressed on myeloid cells like 1, transcript variant 2
647	439	0.68	SNX30	sorting nexin family member 30
175	119	0.68	MNAT1	MNAT1 component of CDK activating kinase, transcript variant X6
1319	897	0.68	RHOBTB2	Rho related BTB domain containing 2, transcript variant 2
269	183	0.68	NHLRC3	NHL repeat containing 3, transcript variant 2
379	258	0.68	ABHD15	abhydrolase domain containing 15
596	406	0.68	LHFPL2	LHFPL tetraspan subfamily member 2, transcript variant X6
778	530	0.68	PODXL	podocalyxin like, transcript variant 2
135	92	0.68	RABL2A	RAB, member of RAS oncogene family like 2A, transcript variant X24
135	92	0.68	FBXO4	F-box protein 4, transcript variant 2

428	292	0.68	FANCE	FA complementation group E, transcript variant X6
490	335	0.68	CD300A	CD300a molecule, transcript variant X1
174	119	0.68	HTRA3	HtrA serine peptidase 3, transcript variant 1
212	145	0.68	TMEM246	transmembrane protein 246, transcript variant 3
266	182	0.68	ZNF618	zinc finger protein 618, transcript variant 1
3066	2102	0.69	TRERF1	transcriptional regulating factor 1, transcript variant X27
175	120	0.69	SHROOM2	shroom family member 2, transcript variant X2
172	118	0.69	LOC102724985	pyridoxal-dependent decarboxylase domain-containing protein 1, transcript variant X16
1759	1208	0.69	TMEM87B	transmembrane protein 87B, transcript variant X3
179	123	0.69	NNT-AS1	NNT antisense RNA 1
1314	903	0.69	OSBPL3	oxysterol binding protein like 3, transcript variant 6
414	285	0.69	ANKMY2	ankyrin repeat and MYND domain containing 2
138	95	0.69	GPR88	G protein-coupled receptor 88
2834	1951	0.69	CHD9	chromodomain helicase DNA binding protein 9, transcript variant 4
3010	2073	0.69	LBR	lamin B receptor, transcript variant X3
151	104	0.69	NRSN2-AS1	NRSN2 antisense RNA 1
254	175	0.69	FAM8A1	family with sequence similarity 8 member A1
677	467	0.69	ATP10D	ATPase phospholipid transporting 10D (putative)
158	109	0.69	GBP3	guanylate binding protein 3, transcript variant X6
171	118	0.69	FNBP1L	formin binding protein 1 like, transcript variant X3
349	241	0.69	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1, transcript variant X2
149	103	0.69	LOC101928716	uncharacterized LOC101928716
175	121	0.69	NR2F1	nuclear receptor subfamily 2 group F member 1, transcript variant X1
558	386	0.69	PIAS2	protein inhibitor of activated STAT 2, transcript variant 4
130	90	0.69	AK9	adenylate kinase 9, transcript variant X12
244	169	0.69	DNA2	DNA replication helicase/nuclease 2, transcript variant X3
153	106	0.69	CD1C	CD1c molecule, transcript variant X1
140	97	0.69	C2orf68	chromosome 2 open reading frame 68, transcript variant X2
674	467	0.69	TRAJ23	
824	571	0.69	RGS14	regulator of G protein signaling 14, transcript variant X1
251	174	0.69	PRIM1	DNA primase subunit 1
196	136	0.69	HRH2	histamine receptor H2, transcript variant X5
576	400	0.69	LOC112268437	uncharacterized protein FLJ45252
596	414	0.69	RIN1	Ras and Rab interactor 1, transcript variant 2
692	481	0.70	TRPS1	transcriptional repressor GATA binding 1, transcript variant 2
1029	716	0.70	ZMYM3	zinc finger MYM-type containing 3, transcript variant 1
171	119	0.70	TBC1D16	TBC1 domain family member 16, transcript variant 4
303	211	0.70	LRRC4	leucine rich repeat containing 4, transcript variant X1
478	333	0.70	PIGC	phosphatidylinositol glycan anchor biosynthesis class C, transcript variant 1
317	221	0.70	CDC45	cell division cycle 45, transcript variant 4
172	120	0.70	ARHGAP6	Rho GTPase activating protein 6, transcript variant 6
225	157	0.70	ENDOD1	endonuclease domain containing 1
159	111	0.70	SPTBN5	spectrin beta, non-erythrocytic 5, transcript variant X5
368	257	0.70	SRGAP2C	SLIT-ROBO Rho GTPase activating protein 2C, transcript variant 1
199	139	0.70	MTBP	MDM2 binding protein
133	93	0.70	TRIM32	tripartite motif containing 32, transcript variant 1
476	333	0.70	MVB12B	multivesicular body subunit 12B, transcript variant 1
996	697	0.70	MAF	MAF bZIP transcription factor, transcript variant X2
220	154	0.70	KIF13A	kinesin family member 13A, transcript variant 4
1309	917	0.70	TNS1	tensin 1, transcript variant X18
3323	2328	0.70	LBH	LBH regulator of WNT signaling pathway
157	110	0.70	NEK10	NIMA related kinase 10, transcript variant X24
979	686	0.70	SESN1	sestrin 1, transcript variant 1
508	356	0.70	LPCAT4	lysophosphatidylcholine acyltransferase 4, transcript variant X5
448	314	0.70	ATP7A	ATPase copper transporting alpha, transcript variant 2
3401	2384	0.70	EVI2B	ecotropic viral integration site 2B
950	666	0.70	NRIP1	nuclear receptor interacting protein 1
134	94	0.70	ZNF44	zinc finger protein 44, transcript variant X3
3673	2580	0.70	JMJD1C	jumonji domain containing 1C, transcript variant X10
387	272	0.70	SYT7	synaptotagmin 7, transcript variant 3
303	213	0.70	ZNF616	zinc finger protein 616, transcript variant 2
1155	812	0.70	ADRA2B	adrenoceptor alpha 2B
165	116	0.70	TICRR	TOPBP1 interacting checkpoint and replication regulator, transcript variant 2
182	128	0.70	MRTFB	myocardin related transcription factor B, transcript variant 8
429	302	0.70	FAM217B	family with sequence similarity 217 member B, transcript variant X1
625	440	0.70	IRS1	insulin receptor substrate 1
169	119	0.70	NXPH4	neurexophilin 4, transcript variant X1
1126	793	0.70	TMEM215	transmembrane protein 215
3064	2158	0.70	DOP1B	DOP1 leucine zipper like protein B, transcript variant X2
944	665	0.70	SH3RF1	SH3 domain containing ring finger 1
342	241	0.70	ABHD6	abhydrolase domain containing 6, transcript variant 1
3104	2188	0.70	ARHGAP18	Rho GTPase activating protein 18
854	602	0.70	TNRC6B	trinucleotide repeat containing adaptor 6B, transcript variant 1
2444	1724	0.71	STK38L	serine/threonine kinase 38 like, transcript variant X13
2938	2073	0.71	SLC30A1	solute carrier family 30 member 1
214	151	0.71	ALAD	aminolevulinate dehydratase, transcript variant X3
401	283	0.71	PHF3	PHD finger protein 3, transcript variant 3
255	180	0.71	VARS	valyl-tRNA synthetase, transcript variant X2
201	142	0.71	ZNF708	zinc finger protein 708, transcript variant X3

2380	1682	0.71	KCTD12	potassium channel tetramerization domain containing 12
788	557	0.71	DTL	denticleless E3 ubiquitin protein ligase homolog, transcript variant 3
660	467	0.71	VANGL1	VANGL planar cell polarity protein 1, transcript variant 2
130	92	0.71	RAB3IL1	RAB3A interacting protein like 1, transcript variant X6
363	257	0.71	B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5, transcript variant X4
209	148	0.71	ZBTB42	zinc finger and BTB domain containing 42, transcript variant 2
329	233	0.71	ALMS1	ALMS1 centrosome and basal body associated protein
638	452	0.71	DENND5B	DENN domain containing 5B, transcript variant 1
151	107	0.71	EML1	EMAP like 1, transcript variant X2
261	185	0.71	ANKRD28	ankyrin repeat domain 28, transcript variant 12
862	611	0.71	RERE	arginine-glutamic acid dipeptide repeats, transcript variant 2
237	168	0.71	GPT2	glutamic--pyruvic transaminase 2, transcript variant X1
292	207	0.71	LINC00941	long intergenic non-protein coding RNA 941
485	344	0.71	FLRT2	fibronectin leucine rich transmembrane protein 2, transcript variant X1
217	154	0.71	TTBK2	tau tubulin kinase 2, transcript variant X1
124	88	0.71	VIPR1	vasoactive intestinal peptide receptor 1, transcript variant X3
1967	1396	0.71	TRAM2	translocation associated membrane protein 2, transcript variant X1
1941	1378	0.71	SFMBT2	Scm like with four mbt domains 2, transcript variant X1
322	229	0.71	TTK	TTK protein kinase, transcript variant X1
587	418	0.71	C11orf45	chromosome 11 open reading frame 45, transcript variant 4
425	303	0.71	B4GALNT3	beta-1,4-N-acetyl-galactosaminyltransferase 3
324	231	0.71	PPM1E	protein phosphatase, Mg2+/Mn2+ dependent 1E, transcript variant 2
1014	723	0.71	PRR12	proline rich 12
638	455	0.71	RNF168	ring finger protein 168
279	199	0.71	LOC145783	uncharacterized LOC145783
565	403	0.71	ZBTB37	zinc finger and BTB domain containing 37, transcript variant X3
628	448	0.71	ADGRE4P	adhesion G protein-coupled receptor E4, pseudogene
2070	1477	0.71	SH3PXD2A	SH3 and PX domains 2A, transcript variant 2
199	142	0.71	CCDC85B	coiled-coil domain containing 85B
255	182	0.71	GIMAP6	GTPase, IMAP family member 6, transcript variant 2
266	190	0.71	SNRNP48	small nuclear ribonucleoprotein U11/U12 subunit 48, transcript variant X1
189	135	0.71	NBPF1	NBPF member 1
147	105	0.71	ZNF670	zinc finger protein 670, transcript variant 2
200	143	0.72	AP5S1	adaptor related protein complex 5 subunit sigma 1, transcript variant 2
186	133	0.72	GPC6	glypican 6
179	128	0.72	IL12RB2	interleukin 12 receptor subunit beta 2, transcript variant X8
446	319	0.72	SLC16A7	solute carrier family 16 member 7, transcript variant X1
295	211	0.72	PRUNE1	prune exopolyphosphatase 1, transcript variant 5
137	98	0.72	SIRT5	sirtuin 5, transcript variant 3
123	88	0.72	FAM76A	family with sequence similarity 76 member A, transcript variant X1
5923	4238	0.72	PLEKHA2	pleckstrin homology domain containing A2
457	327	0.72	TLR1	toll like receptor 1
225	161	0.72	LDLRAD4	low density lipoprotein receptor class A domain containing 4, transcript variant X27
218	156	0.72	XKR8	XK related 8
211	151	0.72	VSIG4	V-set and immunoglobulin domain containing 4, transcript variant 2
190	136	0.72	GDPGP1	GDP-D-glucose phosphorylase 1, transcript variant 1
148	106	0.72	UBA6-AS1	UBA6 antisense RNA 1 (head to head)
1008	722	0.72	CCSAP	centriole, cilia and spindle associated protein, transcript variant X2
141	101	0.72	SULT1A1	sulfotransferase family 1A member 1, transcript variant X14
173	124	0.72	LOC100130992	uncharacterized LOC100130992
456	327	0.72	RSC1A1	regulator of solute carriers 1
145	104	0.72	BARD1	BRCA1 associated RING domain 1, transcript variant X3
283	203	0.72	KIF14	kinesin family member 14, transcript variant X8
1494	1072	0.72	STARD8	StAR related lipid transfer domain containing 8, transcript variant 1
3651	2621	0.72	HAVCR2	hepatitis A virus cellular receptor 2
351	252	0.72	FLJ32255	uncharacterized LOC643977
142	102	0.72	C19orf44	chromosome 19 open reading frame 44, transcript variant X4
1492	1072	0.72	RAP2B	RAP2B, member of RAS oncogene family
167	120	0.72	TCAIM	T cell activation inhibitor, mitochondrial, transcript variant 2
178	128	0.72	ARMCX5	armadillo repeat containing X-linked 5, transcript variant 1
406	292	0.72	MAP3K1	mitogen-activated protein kinase kinase kinase 1
171	123	0.72	DDAH1	dimethylarginine dimethylaminohydrolase 1, transcript variant 1
253	182	0.72	ZYG11B	zyg-11 family member B, cell cycle regulator, transcript variant X2
214	154	0.72	ILDR2	immunoglobulin like domain containing receptor 2, transcript variant X3
132	95	0.72	PEX3	peroxisomal biogenesis factor 3
157	113	0.72	PXMP4	peroxisomal membrane protein 4, transcript variant 2
639	460	0.72	EEPD1	endonuclease/exonuclease/phosphatase family domain containing 1
547	394	0.72	LRMP	lymphoid restricted membrane protein, transcript variant 2
665	479	0.72	TRIM58	tripartite motif containing 58
1600	1154	0.72	MGAT4A	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A, transcript variant 1
244	176	0.72	RNF125	ring finger protein 125
122	88	0.72	LOC105374809	uncharacterized LOC105374809, transcript variant X2
291	210	0.72	SGIP1	SH3 domain GRB2 like endophilin interacting protein 1, transcript variant X46
324	234	0.72	FAM111B	family with sequence similarity 111 member B, transcript variant 3
144	104	0.72	RAPGEFL1	Rap guanine nucleotide exchange factor like 1, transcript variant X3
126	91	0.72	NUDT17	nudix hydrolase 17, transcript variant X2
126	91	0.72	AIG1	androgen induced 1, transcript variant 11
209	151	0.72	CCDC189	coiled-coil domain containing 189, transcript variant X19
137	99	0.72	LOC102723817	uncharacterized LOC102723817, transcript variant X2

375	271	0.72	PDK3	pyruvate dehydrogenase kinase 3, transcript variant 1
202	146	0.72	POMGNT2	protein O-linked mannose N-acetylglucosaminyltransferase 2 (beta 1,4-), transcript variant X2
202	146	0.72	KIF24	kinesin family member 24, transcript variant X6
130	94	0.72	TBX18	T-box transcription factor 18, transcript variant X4
130	94	0.72	ACCS	1-aminocyclopropane-1-carboxylate synthase homolog (inactive), transcript variant X21
271	196	0.72	ATP2B2	ATPase plasma membrane Ca2+ transporting 2, transcript variant X12
188	136	0.72	LOC101927727	uncharacterized LOC101927727
322	233	0.72	DIPK2A	divergent protein kinase domain 2A, transcript variant X1
275	199	0.72	RBM43	RNA binding motif protein 43
152	110	0.72	CCDC51	coiled-coil domain containing 51, transcript variant 5
858	621	0.72	EFNB1	ephrin B1
286	207	0.72	ITPRID2	ITPR interacting domain containing 2, transcript variant 5
134	97	0.72	ABRAXAS1	abraxas 1, BRCA1 A complex subunit, transcript variant X1
2920	2114	0.72	TENT5A	terminal nucleotidyltransferase 5A
982	711	0.72	SPTLC2	serine palmitoyltransferase long chain base subunit 2
145	105	0.72	SH3D19	SH3 domain containing 19, transcript variant 3
127	92	0.72	ARHGAP19-SLIT	ARHGAP19-SLIT1 readthrough (NMD candidate)
225	163	0.72	TP73	tumor protein p73, transcript variant 12
236	171	0.72	SUOX	sulfite oxidase, transcript variant X3
149	108	0.72	PARP3	poly(ADP-ribose) polymerase family member 3, transcript variant X2
149	108	0.72	CDC20P1	
229	166	0.72	CD2AP	CD2 associated protein, transcript variant X3
488	354	0.73	SAMD9	sterile alpha motif domain containing 9, transcript variant 2
569	413	0.73	PPP1R13B	protein phosphatase 1 regulatory subunit 13B
157	114	0.73	KIF18A	kinesin family member 18A, transcript variant X1
807	586	0.73	SATB1	SATB homeobox 1, transcript variant X3
3211	2332	0.73	TSPAN14	tetraspanin 14, transcript variant 4
179	130	0.73	DMAC2L	distal membrane arm assembly complex 2 like, transcript variant 2
757	550	0.73	ZBTB47	zinc finger and BTB domain containing 47
355	258	0.73	ADCY7	adenylate cyclase 7, transcript variant X12
363	264	0.73	SESN3	sestrin 3, transcript variant 2
154	112	0.73	LOC107984282	uncharacterized LOC107984282
121	88	0.73	FYB1	FYN binding protein 1, transcript variant X8
224	163	0.73	SOX13	SRY-box 13, transcript variant X1
911	663	0.73	RUNX2	RUNX family transcription factor 2, transcript variant 7
599	436	0.73	PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma, transcript variant X3
147	107	0.73	CCDC183-AS1	CCDC183 antisense RNA 1
239	174	0.73	NICN1	nicolin 1
162	118	0.73	FAN1	FANCD2 and FANCI associated nuclease 1, transcript variant X5
188	137	0.73	TTC28	tetratricopeptide repeat domain 28, transcript variant X6
306	223	0.73	TREX1	three prime repair exonuclease 1, transcript variant 4
472	344	0.73	DHRS3	dehydrogenase/reductase 3, transcript variant 2
631	460	0.73	WIPF3	WAS/WASL interacting protein family member 3
414	302	0.73	CDON	cell adhesion associated, oncogene regulated, transcript variant X7
159	116	0.73	SLCO4C1	solute carrier organic anion transporter family member 4C1, transcript variant X2
159	116	0.73	LINC02246	long intergenic non-protein coding RNA 2246
2779	2028	0.73	NFATC3	nuclear factor of activated T cells 3, transcript variant 2
285	208	0.73	NIPBL-DT	NIPBL divergent transcript
1958	1429	0.73	TGFBR2	transforming growth factor beta receptor 2, transcript variant 1
585	427	0.73	ZNF92	zinc finger protein 92, transcript variant 3
137	100	0.73	SGMS2	sphingomyelin synthase 2, transcript variant X7
648	473	0.73	NLRC5	NLR family CARD domain containing 5, transcript variant X17
1211	884	0.73	GPAT3	glycerol-3-phosphate acyltransferase 3, transcript variant X1
289	211	0.73	ARRDC1-AS1	ARRDC1 antisense RNA 1, transcript variant 2
252	184	0.73	INA	internexin neuronal intermediate filament protein alpha
152	111	0.73	ANKRD13B	ankyrin repeat domain 13B, transcript variant X9
393	287	0.73	TBC1D8B	TBC1 domain family member 8B, transcript variant 2
3111	2272	0.73	DBN1	drebrin 1, transcript variant X4
204	149	0.73	PPBP	pro-platelet basic protein
204	149	0.73	WDR27	WD repeat domain 27, transcript variant 5
245	179	0.73	FBXL4	F-box and leucine rich repeat protein 4, transcript variant X4
479	350	0.73	ZNF252P	zinc finger protein 252, pseudogene
286	209	0.73	RAP2A	RAP2A, member of RAS oncogene family
1003	733	0.73	LONRF2	LON peptidase N-terminal domain and ring finger 2
1549	1133	0.73	UBXN7	UBX domain protein 7
149	109	0.73	ATP8A1	ATPase phospholipid transporting 8A1, transcript variant X9
317	232	0.73	PRSS23	serine protease 23, transcript variant 4
392	287	0.73	LRRC37BP1	
336	246	0.73	ZFYVE26	zinc finger FYVE-type containing 26, transcript variant X6
2360	1728	0.73	PIKFYVE	phosphoinositide kinase, FYVE-type zinc finger containing, transcript variant X20
127	93	0.73	FBP1	fructose-bisphosphatase 1, transcript variant X1
269	197	0.73	DDX28	DEAD-box helicase 28
273	200	0.73	FIGNL1	fidgetin like 1, transcript variant X1
146	107	0.73	NUDT15	nudix hydrolase 15, transcript variant 2
161	118	0.73	KALRN	kalirin RhoGEF kinase, transcript variant 4
206	151	0.73	RASAL3	RAS protein activator like 3, transcript variant 3
135	99	0.73	ALKBH8	alkB homolog 8, tRNA methyltransferase, transcript variant X6
199	146	0.73	TFPI	tissue factor pathway inhibitor, transcript variant 1
383	281	0.73	EXO1	exonuclease 1, transcript variant X3

977	717	0.73	PAK1	p21 (RAC1) activated kinase 1, transcript variant X16
425	312	0.73	LIN54	lin-54 DREAM MuvB core complex component, transcript variant 7
331	243	0.73	NRDE2	NRDE-2, necessary for RNA interference, domain containing, transcript variant X3
271	199	0.73	ASB16-AS1	ASB16 antisense RNA 1, transcript variant 1
347	255	0.73	LOC93622	Morf4 family associated protein 1 like 1 pseudogene, transcript variant 2
215	158	0.73	MIR3605	microRNA 3605
166	122	0.73	C20orf96	chromosome 20 open reading frame 96, transcript variant 2
1000	735	0.74	PTPN14	protein tyrosine phosphatase non-receptor type 14
1517	1115	0.74	CAPRIN2	caprin family member 2, transcript variant 4
151	111	0.74	MDK	midkine, transcript variant 5
185	136	0.74	GSPT2	G1 to S phase transition 2
997	733	0.74	ARID1B	AT-rich interaction domain 1B, transcript variant X9
461	339	0.74	XKRX	XK related X-linked
155	114	0.74	FUT10	fucosyltransferase 10, transcript variant X3
1226	902	0.74	HEG1	heart development protein with EGF like domains 1
182	134	0.74	CROCC	ciliary rootlet coiled-coil, rootletin, transcript variant X6
167	123	0.74	SCX	scleraxis bHLH transcription factor, transcript variant X1
186	137	0.74	LINC00702	long intergenic non-protein coding RNA 702
547	403	0.74	GMCL1	germ cell-less 1, spermatogenesis associated, transcript variant X4
399	294	0.74	DCHS1	dachsous cadherin-related 1
266	196	0.74	CYB5RL	cytochrome b5 reductase like, transcript variant 2
464	342	0.74	SUSD3	sushi domain containing 3, transcript variant X4
175	129	0.74	FCF1P2	FCF1 pseudogene 2
141	104	0.74	MTFR2	mitochondrial fission regulator 2, transcript variant X2
324	239	0.74	ADAP2	ArfGAP with dual PH domains 2, transcript variant 4
267	197	0.74	DUSP18	dual specificity phosphatase 18, transcript variant 4
153	113	0.74	LOC729603	calcineurin like EF-hand protein 1 pseudogene
394	291	0.74	MCM10	minichromosome maintenance 10 replication initiation factor, transcript variant 1
482	356	0.74	PTPRF	protein tyrosine phosphatase receptor type F, transcript variant X15
593	438	0.74	RNF135	ring finger protein 135, transcript variant X5
597	441	0.74	TTC39C	tetratricopeptide repeat domain 39C, transcript variant 4
735	543	0.74	SYNE3	spectrin repeat containing nuclear envelope family member 3, transcript variant 2
349	258	0.74	OXSR1	oxidative stress responsive kinase 1, transcript variant X4
6857	5070	0.74	RASAL2	RAS protein activator like 2, transcript variant X5
284	210	0.74	TMEM135	transmembrane protein 135, transcript variant X1
611	452	0.74	PPFIA4	PTPRF interacting protein alpha 4, transcript variant X5
1330	984	0.74	RUBCNL	rubicon like autophagy enhancer, transcript variant 6
846	626	0.74	PAQR4	progestin and adipoQ receptor family member 4, transcript variant 3
177	131	0.74	TMEM243	transmembrane protein 243, transcript variant 3
204	151	0.74	TSPAN18	tetraspanin 18, transcript variant X5
2041	1511	0.74	TRAC	
208	154	0.74	CEP131	centrosomal protein 131, transcript variant X2
1932	1431	0.74	NMD3	NMD3 ribosome export adaptor, transcript variant X3
162	120	0.74	KIF3C	kinesin family member 3C, transcript variant X1
340	252	0.74	RPUSD3	RNA pseudouridine synthase D3, transcript variant X2
286	212	0.74	SHC2	SHC adaptor protein 2, transcript variant X3
348	258	0.74	EXOC6	exocyst complex component 6, transcript variant 5
232	172	0.74	CHD6	chromodomain helicase DNA binding protein 6, transcript variant X6
441	327	0.74	LNPK	lunapark, ER junction formation factor, transcript variant X5
120	89	0.74	LDLRAD3	low density lipoprotein receptor class A domain containing 3, transcript variant 3
271	201	0.74	APAF1	apoptotic peptidase activating factor 1, transcript variant X1
895	664	0.74	LCOR	ligand dependent nuclear receptor corepressor, transcript variant 4
186	138	0.74	MIR12127	microRNA 12127
155	115	0.74	SRGAP2D	SLIT-ROBO Rho GTPase activating protein 2D (pseudogene)
124	92	0.74	MLKL	mixed lineage kinase domain like pseudokinase, transcript variant X9
500	371	0.74	CCDC88C	coiled-coil domain containing 88C, transcript variant X3
128	95	0.74	C21orf58	chromosome 21 open reading frame 58, transcript variant X6
167	124	0.74	C18orf54	chromosome 18 open reading frame 54, transcript variant X5
268	199	0.74	ANKRD42	ankyrin repeat domain 42, transcript variant 3
393	292	0.74	MYCL	MYCL proto-oncogene, bHLH transcription factor, transcript variant 2
288	214	0.74	FAM76B	family with sequence similarity 76 member B, transcript variant X7
401	298	0.74	TRIM59	tripartite motif containing 59
152	113	0.74	SPICE1	spindle and centriole associated protein 1, transcript variant 3
799	594	0.74	FCHO2	FCH domain only 2, transcript variant X5
1497	1113	0.74	SPIN1	spindlin 1
121	90	0.74	KCNE3	potassium voltage-gated channel subfamily E regulatory subunit 3, transcript variant X1
121	90	0.74	PPCDC	phosphopantothenoylcysteine decarboxylase, transcript variant X4
613	456	0.74	GFOD1	glucose-fructose oxidoreductase domain containing 1, transcript variant 2
164	122	0.74	GABPB1-IT1	GABPB1 intronic transcript
1605	1194	0.74	CORO2B	coronin 2B, transcript variant 1
207	154	0.74	PLEKHA8	pleckstrin homology domain containing A8, transcript variant 1
125	93	0.74	SPATA5	spermatogenesis associated 5, transcript variant 1
5002	3722	0.74	DAB2	DAB adaptor protein 2, transcript variant 2
512	381	0.74	NAA40	N(alpha)-acetyltransferase 40, NatD catalytic subunit, transcript variant 1
258	192	0.74	GSTCD	glutathione S-transferase C-terminal domain containing, transcript variant X3
692	515	0.74	ZNF518A	zinc finger protein 518A, transcript variant 4
180	134	0.74	DNM3	dynamin 3, transcript variant X4
149	111	0.74	MMS22L	MMS22 like, DNA repair protein, transcript variant X10
149	111	0.74	DOCK5	dedicator of cytokinesis 5, transcript variant 2

200	149	0.75	ADD3	adducin 3, transcript variant X16
463	345	0.75	ZNF93	zinc finger protein 93
208	155	0.75	LINC01605	long intergenic non-protein coding RNA 1605, transcript variant 1
471	351	0.75	SNX18	sorting nexin 18, transcript variant X2
157	117	0.75	RBMS2	RNA binding motif single stranded interacting protein 2, transcript variant X5
891	664	0.75	SLA	Src like adaptor, transcript variant 5
452	337	0.75	COMMD8	COMM domain containing 8, transcript variant X1
570	425	0.75	CDC6	cell division cycle 6, transcript variant X1
118	88	0.75	CCDC9B	coiled-coil domain containing 9B
303	226	0.75	ZNF445	zinc finger protein 445, transcript variant X5
685	511	0.75	CDYL2	chromodomain Y like 2, transcript variant X1
1122	837	0.75	SETDB2	SET domain bifurcated histone lysine methyltransferase 2, transcript variant 1
516	385	0.75	SRPK2	SRSF protein kinase 2, transcript variant X7
130	97	0.75	IFT88	intraflagellar transport 88, transcript variant X15
457	341	0.75	CLIP4	CAP-Gly domain containing linker protein family member 4, transcript variant 4
800	597	0.75	HTATSF1P2	HIV-1 Tat specific factor 1 pseudogene 2
138	103	0.75	DDX12P	DEAD/H-box helicase 12, pseudogene
761	568	0.75	SLC11A1	solute carrier family 11 member 1, transcript variant X9
142	106	0.75	ZFP28	ZFP28 zinc finger protein, transcript variant X2
513	383	0.75	FAM131B	family with sequence similarity 131 member B, transcript variant X2
616	460	0.75	ATP10A	ATPase phospholipid transporting 10A (putative), transcript variant X3
253	189	0.75	ZNF451	zinc finger protein 451, transcript variant X7
348	260	0.75	CMTM7	CKLF like MARVEL transmembrane domain containing 7, transcript variant X1
174	130	0.75	LRRC28	leucine rich repeat containing 28, transcript variant X3
356	266	0.75	HELLS	helicase, lymphoid specific, transcript variant X2
178	133	0.75	FANCC	FA complementation group C, transcript variant 1
744	556	0.75	MBD4	methyl-CpG binding domain 4, DNA glycosylase, transcript variant 5
9920	7414	0.75	PCM1	pericentriolar material 1, transcript variant 14
297	222	0.75	TMEM86A	transmembrane protein 86A
800	598	0.75	TEX2	testis expressed 2, transcript variant X5
507	379	0.75	EIF2AK2	eukaryotic translation initiation factor 2 alpha kinase 2, transcript variant 3
824	616	0.75	DOK2	docking protein 2, transcript variant 3
947	708	0.75	CRYBG3	crystallin beta-gamma domain containing 3, transcript variant X1
119	89	0.75	TRIM3	tripartite motif containing 3, transcript variant 5
365	273	0.75	DDX52	DExD-box helicase 52, transcript variant 1
520	389	0.75	ELK3	ETS transcription factor ELK3, transcript variant 2
163	122	0.75	ILF3-DT	ILF3 divergent transcript
175	131	0.75	ZNF786	zinc finger protein 786
195	146	0.75	KCNJ1	potassium voltage-gated channel subfamily J member 1, transcript variant 2
199	149	0.75	DEPDC1	DEP domain containing 1, transcript variant 1
402	301	0.75	GUCY1A2	guanylate cyclase 1 soluble subunit alpha 2, transcript variant 2
1346	1008	0.75	NSD1	nuclear receptor binding SET domain protein 1, transcript variant X14
2955	2213	0.75	NEAT1	nuclear paraspeckle assembly transcript 1, transcript variant MENepsilon
327	245	0.75	CD84	CD84 molecule, transcript variant X1
730	547	0.75	NEDD9	neural precursor cell expressed, developmentally down-regulated 9, transcript variant 4
1301	975	0.75	SLC7A8	solute carrier family 7 member 8, transcript variant 5
491	368	0.75	RNF217	ring finger protein 217, transcript variant X14
707	530	0.75	MFAP3	microfibril associated protein 3, transcript variant 2
348	261	0.75	GOLGA7B	golgin A7 family member B
224	168	0.75	POC5	POC5 centriolar protein, transcript variant X6
192	144	0.75	TSPAN32	tetraspanin 32, transcript variant X13
152	114	0.75	KSR1	kinase suppressor of ras 1, transcript variant 1
148	111	0.75	PNPLA7	patatin like phospholipase domain containing 7, transcript variant X4
140	105	0.75	RTL5	retrotransposon Gag like 5
120	90	0.75	TBC1D10C	TBC1 domain family member 10C, transcript variant 2
2174	1631	0.75	MDFIC	MyoD family inhibitor domain containing, transcript variant 1
453	340	0.75	DBR1	debranching RNA lariats 1
321	241	0.75	POLR3GL	RNA polymerase III subunit G like, transcript variant 2
253	190	0.75	ZC3H3	zinc finger CCCH-type containing 3, transcript variant X4
241	181	0.75	AFAP1L1	actin filament associated protein 1 like 1, transcript variant 1
928	697	0.75	DENND4C	DENN domain containing 4C, transcript variant X5
631	474	0.75	SMARCAL1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a like 1, transcript variant 1
193	145	0.75	CNTRL	centriolin, transcript variant X14
181	136	0.75	C12orf76	chromosome 12 open reading frame 76, transcript variant 3
817	614	0.75	CALHM2	calcium homeostasis modulator family member 2, transcript variant 3
314	236	0.75	MGME1	mitochondrial genome maintenance exonuclease 1, transcript variant 3
306	230	0.75	FOXP2	forkhead box P2, transcript variant 7
141	106	0.75	ZNF283	zinc finger protein 283, transcript variant X8
270	203	0.75	VWA8	von Willebrand factor A domain containing 8, transcript variant 2
133	100	0.75	IFT74	intraflagellar transport 74, transcript variant X3
496	373	0.75	FAM214A	family with sequence similarity 214 member A, transcript variant X2
121	91	0.75	SLC2A9	solute carrier family 2 member 9, transcript variant X22
121	91	0.75	C9orf85	chromosome 9 open reading frame 85, transcript variant 6
549	413	0.75	BBS10	Bardet-Biedl syndrome 10
432	325	0.75	CARD6	caspase recruitment domain family member 6, transcript variant X1
828	623	0.75	ITPKB	inositol-trisphosphate 3-kinase B, transcript variant X2
614	462	0.75	CKAP2	cytoskeleton associated protein 2, transcript variant 4
194	146	0.75	ARL11	ADP ribosylation factor like GTPase 11

368	277	0.75	SESTD1	SEC14 and spectrin domain containing 1, transcript variant X6
364	274	0.75	LARP4	La ribonucleoprotein domain family member 4, transcript variant 30
360	271	0.75	ZNF407	zinc finger protein 407, transcript variant 2
449	338	0.75	LINC00847	long intergenic non-protein coding RNA 847, transcript variant 3
178	134	0.75	PLD1	phospholipase D1, transcript variant X7
7173	5400	0.75	SLC38A2	solute carrier family 38 member 2, transcript variant 2
943	710	0.75	TSPYL4	TSPY like 4
340	256	0.75	RNASEH2A	ribonuclease H2 subunit A
162	122	0.75	RGPD8	RANBP2 like and GRIP domain containing 8
2573	1938	0.75	MINDY2	MINDY lysine 48 deubiquitinase 2, transcript variant X1
4751	3579	0.75	FNDC3A	fibronectin type III domain containing 3A, transcript variant X2
361	272	0.75	TBCD	tubulin folding cofactor D, transcript variant X28
771	581	0.75	TMEM65	transmembrane protein 65
345	260	0.75	XRCC3	X-ray repair cross complementing 3, transcript variant X1
207	156	0.75	C17orf80	chromosome 17 open reading frame 80, transcript variant 3
134	101	0.75	TMLHE	trimethyllysine hydroxylase, epsilon, transcript variant X2
256	193	0.75	FKBP14	FKBP prolyl isomerase 14, transcript variant 3
126	95	0.75	BMS1P4	BMS1 pseudogene 4
736	555	0.75	INPP4A	inositol polyphosphate-4-phosphatase type I A, transcript variant c
122	92	0.75	SLC37A3	solute carrier family 37 member 3, transcript variant 9
118	89	0.75	HOXA11	homeobox A11
171	129	0.75	C9orf139	chromosome 9 open reading frame 139, transcript variant X3
2488	1877	0.75	EVI2A	ecotropic viral integration site 2A, transcript variant 2
167	126	0.75	DST	dystonin, transcript variant X33
994	750	0.75	CLCN3	chloride voltage-gated channel 3, transcript variant X1
359	271	0.75	CDCA7L	cell division cycle associated 7 like, transcript variant 3
204	154	0.75	HIST2H2BB	histone cluster 2 H2B family member b (pseudogene), transcript variant 2
29060	21938	0.75	SLC20A1	solute carrier family 20 member 1
253	191	0.75	BEST1	bestrophin 1, transcript variant 8
1416	1069	0.75	CREB3L2	cAMP responsive element binding protein 3 like 2, transcript variant 1
196	148	0.76	ZNF506	zinc finger protein 506, transcript variant 2
486	367	0.76	DPF3	double PHD fingers 3, transcript variant 3
813	614	0.76	RANBP6	RAN binding protein 6, transcript variant 2
331	250	0.76	HERC3	HECT and RLD domain containing E3 ubiquitin protein ligase 3, transcript variant X9
2869	2167	0.76	DCSTAMP	dendrocyte expressed seven transmembrane protein, transcript variant 1
188	142	0.76	DTWD2	DTW domain containing 2, transcript variant 1
748	565	0.76	TPST1	tyrosylprotein sulfotransferase 1, transcript variant X6
278	210	0.76	CEP57L1	centrosomal protein 57 like 1, transcript variant X11
184	139	0.76	SEPTIN3	septin 3, transcript variant C
413	312	0.76	SSX2IP	SSX family member 2 interacting protein, transcript variant X3
229	173	0.76	PANK2	pantothenate kinase 2, transcript variant X5
495	374	0.76	NSL1	NSL1 component of MIS12 kinetochore complex, transcript variant 1
180	136	0.76	DNMBP	dynamin binding protein, transcript variant 2
352	266	0.76	SKP2	S-phase kinase associated protein 2, transcript variant 3
602	455	0.76	PXK	PX domain containing serine/threonine kinase like, transcript variant X3
258	195	0.76	PCDH7	protocadherin 7, transcript variant X6
504	381	0.76	SPAST	spastin, transcript variant X4
541	409	0.76	MITF	melanocyte inducing transcription factor, transcript variant 12
697	527	0.76	ERCC4	ERCC excision repair 4, endonuclease catalytic subunit, transcript variant X3
328	248	0.76	RBL1	RB transcriptional corepressor like 1, transcript variant 2
123	93	0.76	PIGZ	phosphatidylinositol glycan anchor biosynthesis class Z, transcript variant X4
123	93	0.76	C19orf47	chromosome 19 open reading frame 47, transcript variant X5
324	245	0.76	HJURP	Holliday junction recognition protein, transcript variant 3
320	242	0.76	ACTR6	actin related protein 6, transcript variant 1
390	295	0.76	RSPH3	radial spoke head 3, transcript variant X2
156	118	0.76	SLF1	SMC5-SMC6 complex localization factor 1, transcript variant X1
193	146	0.76	UPRT	uracil phosphoribosyltransferase homolog, transcript variant 4
230	174	0.76	CKAP2L	cytoskeleton associated protein 2 like, transcript variant 2
296	224	0.76	ARHGAP32	Rho GTPase activating protein 32, transcript variant X5
185	140	0.76	ZNF701	zinc finger protein 701, transcript variant X3
1530	1158	0.76	ITGA4	integrin subunit alpha 4, transcript variant 1
1016	769	0.76	ANKRD44	ankyrin repeat domain 44, transcript variant X6
214	162	0.76	KIAA1211	KIAA1211, transcript variant X8
284	215	0.76	ZFYVE9	zinc finger FYVE-type containing 9, transcript variant X1
383	290	0.76	MOSPD2	motile sperm domain containing 2, transcript variant 3
622	471	0.76	CCDC107	coiled-coil domain containing 107, transcript variant B
301	228	0.76	ENO2	enolase 2
330	250	0.76	MCEMP1	mast cell expressed membrane protein 1
132	100	0.76	BTD	biotinidase, transcript variant 4
6316	4786	0.76	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2, transcript variant 5
256	194	0.76	CEP250	centrosomal protein 250, transcript variant X15
223	169	0.76	PUS10	pseudouridine synthase 10, transcript variant X10
979	742	0.76	FAM168A	family with sequence similarity 168 member A, transcript variant 2
157	119	0.76	SLC49A3	solute carrier family 49 member 3, transcript variant X5
719	545	0.76	STAC2	SH3 and cysteine rich domain 2, transcript variant 2
781	592	0.76	ABCB9	ATP binding cassette subfamily B member 9, transcript variant X12
186	141	0.76	DCLRE1C	DNA cross-link repair 1C, transcript variant X1
124	94	0.76	C17orf75	chromosome 17 open reading frame 75
211	160	0.76	YPEL3	yippee like 3, transcript variant X1

811	615	0.76	ADCK2	aarF domain containing kinase 2, transcript variant X1
149	113	0.76	HEMK1	HemK methyltransferase family member 1, transcript variant X10
149	113	0.76	PANK1	pantothenate kinase 1, transcript variant alpha
149	113	0.76	BRIP1	BRCA1 interacting protein C-terminal helicase 1, transcript variant X9
265	201	0.76	METTL6	methyltransferase like 6, transcript variant 2
2278	1728	0.76	WIPF1	WAS/WASL interacting protein family member 1, transcript variant 2
5054	3834	0.76	GLUL	glutamate-ammonia ligase, transcript variant X1
174	132	0.76	D2HGDH	D-2-hydroxyglutarate dehydrogenase, transcript variant X20
116	88	0.76	ENTPD5	ectonucleoside triphosphate diphosphohydrolase 5 (inactive), transcript variant X9
2250	1707	0.76	DOK3	docking protein 3, transcript variant X3
398	302	0.76	LIN7A	lin-7 homolog A, crumbs cell polarity complex component, transcript variant 3
1132	859	0.76	SLC38A1	solute carrier family 38 member 1, transcript variant X3
141	107	0.76	TSPAN2	tetraspanin 2, transcript variant 1
419	318	0.76	SAMD9L	sterile alpha motif domain containing 9 like, transcript variant 5
1025	778	0.76	PDS5B	PDS5 cohesin associated factor B, transcript variant X3
469	356	0.76	ACAD8	acyl-CoA dehydrogenase family member 8, transcript variant X8
1071	813	0.76	TBC1D13	TBC1 domain family member 13, transcript variant 2
274	208	0.76	PCCA	propionyl-CoA carboxylase subunit alpha, transcript variant X12
137	104	0.76	MCM8	minichromosome maintenance 8 homologous recombination repair factor, transcript variant X2
1545	1173	0.76	SOX4	SRY-box 4
378	287	0.76	LOC105375855	uncharacterized LOC105375855
162	123	0.76	ARHGAP22	Rho GTPase activating protein 22, transcript variant X18
403	306	0.76	NTSR1	neurotensin receptor 1, transcript variant X1
561	426	0.76	POGLUT3	protein O-glucosyltransferase 3, transcript variant 2
640	486	0.76	KNTC1	kinetochore associated 1, transcript variant X1
262	199	0.76	STK39	serine/threonine kinase 39, transcript variant X6
366	278	0.76	PRMT9	protein arginine methyltransferase 9, transcript variant 5
183	139	0.76	RCAN3	RCAN family member 3, transcript variant 9
179	136	0.76	LCORL	ligand dependent nuclear receptor corepressor like, transcript variant X9
204	155	0.76	UBXN2A	UBX domain protein 2A, transcript variant X7
350	266	0.76	EGLN1	egl-9 family hypoxia inducible factor 1, transcript variant X3
275	209	0.76	PARP9	poly(ADP-ribose) polymerase family member 9, transcript variant 4
150	114	0.76	CCDC186	coiled-coil domain containing 186, transcript variant X1
125	95	0.76	SURF4	surfeit 4, transcript variant 3
371	282	0.76	GINS3	GINS complex subunit 3, transcript variant 3
542	412	0.76	AMBRA1	autophagy and beclin 1 regulator 1, transcript variant X7
171	130	0.76	CD101	CD101 molecule, transcript variant X1
242	184	0.76	CUEDC1	CUE domain containing 1, transcript variant X4
121	92	0.76	CXADR	CXADR Ig-like cell adhesion molecule, transcript variant X3
288	219	0.76	OGG1	8-oxoguanine DNA glycosylase, transcript variant 1h
1244	946	0.76	TUBA4A	tubulin alpha 4a, transcript variant X1
167	127	0.76	TFDP2	transcription factor Dp-2, transcript variant 3
213	162	0.76	CEP120	centrosomal protein 120, transcript variant 2
188	143	0.76	FAM72A	family with sequence similarity 72 member A, transcript variant X7
188	143	0.76	PCDHB5	protocadherin beta 5
585	445	0.76	TBC1D9	TBC1 domain family member 9
117	89	0.76	ETV1	ETS variant 1, transcript variant 8
117	89	0.76	DOCK9	dedicator of cytokinesis 9, transcript variant 7
117	89	0.76	RAB15	RAB15, member RAS oncogene family, transcript variant X1
326	248	0.76	ANKS6	ankyrin repeat and sterile alpha motif domain containing 6
5072	3859	0.76	GCLC	glutamate-cysteine ligase catalytic subunit, transcript variant X1
230	175	0.76	ZNF808	zinc finger protein 808, transcript variant 4
247	188	0.76	RECK	reversion inducing cysteine rich protein with kazal motifs, transcript variant X5
716	545	0.76	DTNA	dystrobrevin alpha, transcript variant X27
486	370	0.76	MGA	MAX dimerization protein MGA, transcript variant X22
243	185	0.76	FZD3	frizzled class receptor 3, transcript variant X2
176	134	0.76	PRSS36	serine protease 36, transcript variant 3
197	150	0.76	SWT1	SWT1 RNA endoribonuclease homolog, transcript variant X10
306	233	0.76	FIGN	fidgetin, microtubule severing factor, transcript variant 1
1044	795	0.76	MSH2	mutS homolog 2, transcript variant 1
478	364	0.76	HMX3	H6 family homeobox 3
239	182	0.76	ING5	inhibitor of growth family member 5, transcript variant X7
239	182	0.76	ATAD5	ATPase family AAA domain containing 5, transcript variant X1
562	428	0.76	CASP8	caspase 8, transcript variant X11
151	115	0.76	ZMYM5	zinc finger MYM-type containing 5, transcript variant 1
172	131	0.76	METTL15	methyltransferase like 15, transcript variant X3
600	457	0.76	DENND1B	DENN domain containing 1B, transcript variant X12
214	163	0.76	TBC1D31	TBC1 domain family member 31, transcript variant X5
210	160	0.76	KCNIP2	potassium voltage-gated channel interacting protein 2, transcript variant 6
189	144	0.76	PHYH	phytanoyl-CoA 2-hydroxylase, transcript variant 3
126	96	0.76	C14orf93	chromosome 14 open reading frame 93, transcript variant 5
584	445	0.76	CAMK2B	calcium/calmodulin dependent protein kinase II beta, transcript variant 1
391	298	0.76	ANKZF1	ankyrin repeat and zinc finger peptidyl tRNA hydrolase 1, transcript variant 2
164	125	0.76	SBF2	SET binding factor 2, transcript variant X11
307	234	0.76	DISP1	dispatched RND transporter family member 1, transcript variant X6
122	93	0.76	TMEM144	transmembrane protein 144, transcript variant X2
425	324	0.76	ASB13	ankyrin repeat and SOCS box containing 13, transcript variant 2
1898	1447	0.76	STK17B	serine/threonine kinase 17b
383	292	0.76	PITPNM2	phosphatidylinositol transfer protein membrane associated 2, transcript variant 1

964	735	0.76	DGKD	diacylglycerol kinase delta, transcript variant X14
240	183	0.76	FHL2	four and a half LIM domains 2, transcript variant 9
160	122	0.76	PTPDC1	protein tyrosine phosphatase domain containing 1, transcript variant X2
358	273	0.76	BLM	BLM RecQ like helicase, transcript variant 2
1887	1439	0.76	MOB1B	MOB kinase activator 1B, transcript variant X2
278	212	0.76	FCHSD1	FCH and double SH3 domains 1, transcript variant X10
337	257	0.76	JRK	Jrk helix-turn-helix protein, transcript variant 2
594	453	0.76	CHST13	carbohydrate sulfotransferase 13
375	286	0.76	LINC00623	long intergenic non-protein coding RNA 623, transcript variant 1
413	315	0.76	CDK20	cyclin dependent kinase 20, transcript variant 5
236	180	0.76	TPRG1	tumor protein p63 regulated 1, transcript variant X15
118	90	0.76	UGT8	UDP glycosyltransferase 8, transcript variant X3
215	164	0.76	DIS3L	DIS3 like exosome 3'-5' exoribonuclease, transcript variant 4
253	193	0.76	MAP3K12	mitogen-activated protein kinase kinase kinase 12, transcript variant X1
291	222	0.76	SLC25A13	solute carrier family 25 member 13, transcript variant X7
194	148	0.76	PTCD2	pentatricopeptide repeat domain 2, transcript variant X2
1122	856	0.76	BMP2K	BMP2 inducible kinase, transcript variant 1
135	103	0.76	SIGLEC9	sialic acid binding Ig like lectin 9, transcript variant X1
346	264	0.76	PTPN13	protein tyrosine phosphatase non-receptor type 13, transcript variant X6
173	132	0.76	RRAGB	Ras related GTP binding B, transcript variant X8
1249	953	0.76	FGL2	fibrinogen like 2
211	161	0.76	LANCL3	LanC like 3, transcript variant 1
249	190	0.76	KAZN	kazrin, periplakin interacting protein, transcript variant G
249	190	0.76	B4GALNT1	beta-1,4-N-acetyl-galactosaminyltransferase 1, transcript variant X2
266	203	0.76	HAUS1	HAUS augmin like complex subunit 1, transcript variant 2
152	116	0.76	PPP1R12B	protein phosphatase 1 regulatory subunit 12B, transcript variant X4
152	116	0.76	LMBR1L	limb development membrane protein 1 like, transcript variant X3
701	535	0.76	PRDM10	PR/SET domain 10, transcript variant 4
397	303	0.76	MAP3K14	mitogen-activated protein kinase kinase kinase 14, transcript variant X2
359	274	0.76	DHTKD1	dehydrogenase E1 and transketolase domain containing 1
207	158	0.76	ERI1	exoribonuclease 1, transcript variant 3
1948	1487	0.76	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1, transcript variant X2
579	442	0.76	MACO1	macoilin 1, transcript variant X1
279	213	0.76	WDR19	WD repeat domain 19, transcript variant X6
389	297	0.76	TMEM39B	transmembrane protein 39B, transcript variant X2
867	662	0.76	ADCY1	adenylate cyclase 1, transcript variant 1
990	756	0.76	THEMIS2	thymocyte selection associated family member 2, transcript variant X1
622	475	0.76	PAQR5	progestin and adipoQ receptor family member 5, transcript variant X10
292	223	0.76	GTPBP10	GTP binding protein 10, transcript variant 1
292	223	0.76	ST7	suppression of tumorigenicity 7, transcript variant 10
419	320	0.76	PCDHGB4	protocadherin gamma subfamily B, 4, transcript variant 2
707	540	0.76	RFX8	RFX family member 8, lacking RFX DNA binding domain, transcript variant X1
398	304	0.76	ACBD5	acyl-CoA binding domain containing 5, transcript variant X11
343	262	0.76	VLDLR	very low density lipoprotein receptor, transcript variant X2
144	110	0.76	SGO1	shugoshin 1, transcript variant 14
144	110	0.76	ZNF528	zinc finger protein 528, transcript variant X6
1059	809	0.76	JADE1	jade family PHD finger 1, transcript variant X4
305	233	0.76	ZNF141	zinc finger protein 141, transcript variant X1
466	356	0.76	MRPL55	mitochondrial ribosomal protein L55, transcript variant 3
483	369	0.76	CHRM3	cholinergic receptor muscarinic 3, transcript variant X4
161	123	0.76	VSIG10	V-set and immunoglobulin domain containing 10, transcript variant X6
500	382	0.76	ZBTB7C	zinc finger and BTB domain containing 7C, transcript variant X8
1123	858	0.76	DOK1	docking protein 1, transcript variant X1
2950	2254	0.76	VASH1	vasohibin 1, transcript variant X6
195	149	0.76	SCAMP5	secretory carrier membrane protein 5, transcript variant X2
301	230	0.76	HPS4	HPS4 biogenesis of lysosomal organelles complex 3 subunit 2, transcript variant 13
441	337	0.76	ZNF213	zinc finger protein 213, transcript variant 2
458	350	0.76	PEX6	peroxisomal biogenesis factor 6, transcript variant X2
721	551	0.76	TK2	thymidine kinase 2, transcript variant 7
123	94	0.76	LOC105369828	uncharacterized LOC105369828, transcript variant X2
140	107	0.76	PRIMPOL	primase and DNA directed polymerase, transcript variant 7
577	441	0.76	ABCA1	ATP binding cassette subfamily A member 1, transcript variant X12
437	334	0.76	AMDHD2	amidohydrolase domain containing 2, transcript variant X1
1184	905	0.76	BMI1	BMI1 proto-oncogene, polycomb ring finger
174	133	0.76	TRIM38	tripartite motif containing 38, transcript variant X6
365	279	0.76	MUTYH	mutY DNA glycosylase, transcript variant X10
191	146	0.76	NAA16	N(alpha)-acetyltransferase 16, NatA auxiliary subunit, transcript variant X6
225	172	0.76	CRLS1	cardiolipin synthase 1, transcript variant 6
841	643	0.76	TPX2	TPX2 microtubule nucleation factor, transcript variant X3
633	484	0.76	KIAA1109	KIAA1109, transcript variant X3
684	523	0.76	DAPK1	death associated protein kinase 1, transcript variant 1
527	403	0.76	PAQR3	progestin and adipoQ receptor family member 3, transcript variant 6
476	364	0.76	SLC36A1	solute carrier family 36 member 1, transcript variant X23
204	156	0.76	FANCM	FA complementation group M, transcript variant X6
170	130	0.76	RAP1GAP	RAP1 GTPase activating protein, transcript variant X23
421	322	0.76	ST3GAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6, transcript variant 18
1093	836	0.76	IL4R	interleukin 4 receptor, transcript variant X8
353	270	0.76	LIN9	lin-9 DREAM MuvB core complex component, transcript variant 6
638	488	0.76	MIS18BP1	MIS18 binding protein 1, transcript variant X5

302	231	0.76	CDCA2	cell division cycle associated 2, transcript variant 1
587	449	0.76	IQSEC2	IQ motif and Sec7 domain 2, transcript variant X13
251	192	0.76	CHEK2	checkpoint kinase 2, transcript variant X3