

Supplementary Table 2. Name and location of the genes identified in the study.

Gene symbol	Gene name	Location
ACOT9	acyl-CoA thioesterase 9	Xp22.11
ACP5	acid phosphatase 5, tartrate resistant	19p13.2
ACTC1	actin alpha cardiac muscle 1	15q14
AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2	9q34.3
AHNAK	AHNAK nucleoprotein	11q12.3
ALPL	alkaline phosphatase, biomineralization associated	1p36.12
ANKRD1	ankyrin repeat domain 1	10q23.31
ANKRD28	ankyrin repeat domain 28	3p25.1
BIRC3	baculoviral IAP repeat containing 3	11q22.2
BRE-AS1	BABAM2 antisense RNA 1	2p23.2
C2ORF40	ECRG4 augurin precursor	2q12.2
CAMK1G	calcium/calmodulin dependent protein kinase IG	1q32.2
CAPN6	calpain 6	Xq23
CCDC3	coiled-coil domain containing 3	10p13
CCL13	C-C motif chemokine ligand 13	17q12
CD8A	CD8a molecule	2p11.2
CDKN1A	cyclin dependent kinase inhibitor 1A	6p21.2
CFAP126	cilia and flagella associated protein 126	1q23.3
CHRM4	cholinergic receptor muscarinic 4	11p11.2
CHRNA1	cholinergic receptor nicotinic alpha 1 subunit	2q31.1
CLEC4GP1	C-type lectin domain family 4 member G pseudogene 1	19p13.2
CMPK2	cytidine/uridine monophosphate kinase 2	2p25.2
COL11A2	collagen type XI alpha 2 chain	6p21.32
COL3A1	collagen type III alpha 1 chain	2q32.2
COQ10A	coenzyme Q10A	12q13.3
COX6B2	cytochrome c oxidase subunit 6B2	19q13.42
CRYBG3	crystallin beta-gamma domain containing 3	3q11.2
CSPG4	chondroitin sulfate proteoglycan 4	15q24.2
CXCL8	C-X-C motif chemokine ligand 8	4q13.3
CXCL9	C-X-C motif chemokine ligand 9	4q21.1
CYB5R3	cytochrome b5 reductase 3	22q13.2
DBNDD1	dysbindin domain containing 1	16q24.3
DXL1	doublecortin like kinase 1	13q13.3
DDX58	DExD/H-box helicase 58	9p21.1
DHX58	DExH-box helicase 58	17q21.2
DNAH1	dynein axonemal heavy chain 1	3p21.1
EGR4	early growth response 4	2p13.2
FCRL6	Fc receptor like 6	1q23.2
FRA10AC1	FRA10A associated CGG repeat 1	10q23.33
GADD45A	growth arrest and DNA damage inducible alpha	1p31.3
GBP1	guanylate binding protein 1	1p22.2
GBP2	guanylate binding protein 2	1p22.2
GBP5	guanylate binding protein 5	1p22.2
GBP6	guanylate binding protein family member 6	1p22.2
H19	H19 imprinted maternally expressed transcript	11p15.5
HELZ2	helicase with zinc finger 2	20q13.33
HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5	4q22.1
HERC6	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6	4q22.1
HIST1H2BD	H2B clustered histone 5	6p22.2
HIST2H2AA3	H2A clustered histone 18	1q21.2
HLA-DOA	major histocompatibility complex, class II, DO alpha	6p21.32
HLA-DQA1	major histocompatibility complex, class II, DQ alpha 1	6p21.32
HOXB-AS1	HOXB cluster antisense RNA 1	17q21.32
HP	haptoglobin	16q22.2
IFI27	interferon alpha inducible protein 27	14q32.12
IFI30	IFI30 lysosomal thiol reductase	19p13.11
IFI35	interferon induced protein 35	17q21.31
IFI44	interferon induced protein 44	1p31.1
IFI44L	interferon induced protein 44 like	1p31.1
IFI6	interferon alpha inducible protein 6	1p35.3
IFIT2	interferon induced protein with tetratricopeptide repeats 2	10q23.31
IFITM1	interferon induced transmembrane protein 1	11p15.5
IFITM10	interferon induced transmembrane protein 10	11p15.5
IGFN1	immunoglobulin like and fibronectin type III domain containing 1	1q32.1
IGLL5	immunoglobulin lambda like polypeptide 5	22q11.22
IL1RL1	interleukin 1 receptor like 1	2q12.1
IRF9	interferon regulatory factor 9	14q12
ISG15	ISG15 ubiquitin like modifier	1p36.33
ITGAL	integrin subunit alpha L	16p11.2
JCHAIN	joining chain of multimeric IgA and IgM	4q13.3
KCNJ4	potassium inwardly rectifying channel subfamily J member 4	22q13.1
KIAA0754	KIAA0754	1p34.2

KIAA1147	DENN domain containing 11	7q34
KLF10	Kruppel like factor 10	8q22.3
KLHDC7B	kelch domain containing 7B	22q13.33
KRT80	keratin 80	12q13.13
LOC100128494	uncharacterized LOC100128494	11q13.4
LOC101928053	uncharacterized LOC101928053	11p15.4
LOC151121	long intergenic non-protein coding RNA 1854	2q21.1
LY6E	lymphocyte antigen 6 family member E	8q24.3
MADCAM1	mucosal vascular addressin cell adhesion molecule 1	19p13.3
MCU	mitochondrial calcium uniporter	10q22.1
MIR23A	microRNA 23a	19p13.12
MIR6087	microRNA 6087	Xq22.3
MX1	MX dynamin like GTPase 1	21q22.3
MX2	MX dynamin like GTPase 2	21q22.3
MYBPH	myosin binding protein H	1q32.1
MYH3	myosin heavy chain 3	17p13.1
MYH4	myosin heavy chain 4	17p13.1
MYH8	myosin heavy chain 8	17p13.1
NDUFB2-AS1	NDUFB2 antisense RNA 1	7q34
NDUFS2	NADH:ubiquinone oxidoreductase core subunit S2	1q23.3
NNMT	nicotinamide N-methyltransferase	11q23.2
NREP	neuronal regeneration related protein	5q22.1
NT5C1A	5'-nucleotidase, cytosolic IA	1p34.2
NT5C3A	5'-nucleotidase, cytosolic IIIA	7p14.3
OAS1	2'-5'-oligoadenylate synthetase 1	12q24.13
OAS2	2'-5'-oligoadenylate synthetase 2	12q24.13
OAS3	2'-5'-oligoadenylate synthetase 3	12q24.13
PBDC1	polysaccharide biosynthesis domain containing 1	Xq13.3
PLEKHO1	pleckstrin homology domain containing O1	1q21.2
POU5F1P4	POU class 5 homeobox 1 pseudogene 4	1q22
PPM1L	protein phosphatase, Mg2+/Mn2+ dependent 1L	3q25.33-q26.1
PROK2	prokineticin 2	3p13
PSMB8	proteasome 20S subunit beta 8	6p21.32
PSMB9	proteasome 20S subunit beta 9	6p21.32
RAB13	RAB13, member RAS oncogene family	1q21.3
RARRES3	phospholipase A and acyltransferase 4	11q12.3
RNF165	ring finger protein 165	18q21.1
RRP7A	ribosomal RNA processing 7 homolog A	22q13.2
RSAD2	radical S-adenosyl methionine domain containing 2	2p25.2
RUNX1	RUNX family transcription factor 1	21q22.12
S100A9	S100 calcium binding protein A9	1q21.3
SAA1	serum amyloid A1	11p15.1
SAA2	serum amyloid A2	11p15.1
SCRT1	scratch family transcriptional repressor 1	8q24.3
SECTM1	secreted and transmembrane 1	17q25.3
SERPINA3	serpin family A member 3	14q32.13
SIGLEC1	sialic acid binding Ig like lectin 1	20p13
SIK1	salt inducible kinase 1	21q22.3
SOCS3	suppressor of cytokine signaling 3	17q25.3
SPIB	Spi-B transcription factor	19q13.33
SPP1	secreted phosphoprotein 1	4q22.1
STAT1	signal transducer and activator of transcription 1	2q32.2
SUSD2	sushi domain containing 2	22q11.23
TNC	tenascin C	9q33.1
TNNT2	troponin T2, cardiac type	1q32.1
TUBA1A	tubulin alpha 1a	12q13.12
TYMP	thymidine phosphorylase	22q13.33
USP5	ubiquitin specific peptidase 5	12p13
ZBP1	Z-DNA binding protein 1	20q13.31
ZFHX2	zinc finger homeobox 2	14q11.2
ZNF106	zinc finger protein 106	15q15.1
ZNFX1	zinc finger NFX1-type containing 1	20q13.13