

LIST OF ABBREVIATIONS

ACE	angiotensin converting enzyme
AGE	advanced glycation end product
Ang	angiotensin II
AMPK	AMP activated protein kinase
ApoE3	apolipoprotein3
BAT	brown adipose tissue
BMI	body mass index
C/EBP alpha	CAAT enhancer binding protein alpha
C57	C57BL/6
CB1	cannabinoid1
CCA	common carotid artery
CCR2	chemokine receptor2
CETP	cholesteryl ester transporter protein
CLS	crown like structure
CRP	C-reactive protein
CVD	cardiovascular disease
DC	dendritic cells
ET	endothelin
FFA	free fatty acid
FIZZ	found in inflammatory zone
GH	growth hormone
GLUT	glucose transporter
HC	high cholesterol
HDL	high-density lipoprotein
HF	high fat
HMG-CoA	3-hydroxy-3-methylglutaryl-coenzyme A
HSD	hydroxyl steroid dehydrogenase
ICAM-1	intracellular adhesion molecule-1
IFN	interferon
IGF-I	insulin-like growth factor-I
IGT	impaired glucose tolerance
IL	interleukin
IMT	intima-media thickness
IMT	intima-media thickness
iNOS	inducible nitric oxide synthase
IRS	insulin receptor substrate
JNK	cJun NH2-terminal kinase
kcal	kilocalorie
kDa	kilodalton
KO	knockout
LDL	low-density lipoprotein
LPL	lipoprotein lipase
LPS	lipopolysaccharide
MCP-1	monocyte chemoattractant protein 1
MEK	mapkinase extracellular regulated kiase
MNCs	mono nuclear cells
mRNA	Messenger ribonucleic acid
NEFA	non-esterified fatty acid
NFkB	nuclear factor kappa b
NO	nitric oxide
OGTT	oral glucose tolerance test

PAI	plasminogen activator inhibitor
PBS	phosphate buffered saline
PCR	polymerase chain reaction
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PPAR	peroxisome proliferator-activated receptor
qRT-PCR	relative quantitative real-time PCR
RBP-4	retinol binding protein-4
RELM	resistin like molecule
RNA	ribonucleic acid
ROS	reactive oxygen species
RT-PCR	real time polymerase chain reaction
SAA	serum amyloid A
SMCs	smooth muscle cells
SOCS-3	supressor of cytokine signaling 3
T2D	type 2 diabetes mellitus
TC	total cholesterol
TG	triglyceride
TLR	toll like receptor
TNF	tumour necrosis factor- alpha
TZD	thiazolidinedione
VCAM-1	vascular cell adhesion molecule 1
VLDL	very-low-density lipoprotein
VSMC	vascular smooth muscle cell
WAT	white adipose tissue