ABBREVIATIONS

AA	arachidonic acid
ACh	acetylcholine
Apa	apamin
bp	base pair (s)
BSA	bovine serum albumin
$[Ca^{2+}]_i$	intracellular free calcium concentration
cAMP	cyclic adenosine monophosphate
cDNA	complementary deoxyribonucleic acid
cGMP	cyclic guanosine monophosphate
ChTX	charybdotoxin
C (N)-terminal	carboxy (amino)-terminal
CYP_{450}	cytochrome P_{450} epoxygenase
DBP	diastolic blood pressure
DC-EBIO	5, 6-dichloro-1-ethyl-2-benzimidazolinone
DMEM	Dulbecco's modified Eagle's medium
DMSO	dimethyl sulphoxide
1-EBIO	1-ethyl-2-benzimidazolinone
ECs	endothelial cells
EC_{50}	concentration at 50% of the maximal effective response
EDHF	endothelium-derived hyperpolarizing factor
EDTA	ethylenediaminetetraacetic acid
EET	epoxyeicosatrienoic acid
EGTA	ethylene glycol-bis (aminoethylether)-N,N,N',N'-tetraacetic acid
ER	endoplasmic reticulum
ES cell	embryonic stem cell
IC_{50}	concentration at 50% of the maximal inhibition
IP_3	1, 4, 5-inositol-trisphosphate
I-V	current-voltage relationship
K_{Ca}	Ca^{2+}-activated K^+ channel
$K_{Ca}3.1^{-/-}$	$K_{Ca}3.1$ knockout
$K_{Ca}3.1^{+/+}$	$K_{Ca}3.1$ wild-type
Kir	inwardly rectifying K^+ channel
LIF	leukemia inhibitory factor
L-NNA	N^G-nitro-L-arginine
LVH	left ventricular hypertrophy
MAP	mean arterial blood pressure
MOPS	3-[N-morpholino] propane sulfonic acid
MSC	mechanosensitive cation channel
NO	nitric oxide

PGI_2	prostacyclin
PLC	phospholipase C
P_o	open probability
RT-PCR	reverse transcription polymerase chain reaction
SBP	systolic blood pressure
SDS	sodium dodecylsulphate
SE	standard error
SNP	sodium nitroprusside
SOC	store operated-channel
T-cells	thymus lymphocytes
TM	transmembrane
TRAM-34	1-[(2-chlorophenyl) diphenylmethyl]-1*H*.pyrazole
TRIZMA Base	Tris-(hydroxymethyl) aminomethane
UCL1684	6,10-diaza-1,5(1,4)-diquinolina-3(1,3),8(1,4)-dibenzena-cyclodecaphanedium tritrifluoroacetate hydrate
VDCC	voltage-dependent Ca^{2+} channel
V_m	membrane potential