

# List of Abbreviations

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AA	Arachidonic acid
ALP	Alkaline phosphatase
AKR	Aldoketo reductase
ANOVA	Analysis of variance
APS	Ammonium persulphate
BCIP	5-bromo-4-chloro-3'-indolyphosphate
BLAST	Basic local alignment search tool
BMP	Bone morphogenetic protein
bp	Base pairs
BSA	Bovine serum albumin
CAD	Collision associated dissociation
Caspases	Cysteine-dependent aspartate-directed proteases
CE	Collision energy
cESMC	Chick embryonic skeletal muscle cells
cDNA	Complimentary deoxyribonucleic acid
CMC	Carboxymethyl cellulose
CNS	Central nervous system
COPD	Chronic obstructive pulmonary disease
COX	Cyclooxygenase
CPCSEA	Committee for the purpose of control and supervision of experiments on animals
Cq	Quantification cycles
CXP	Cell exit potential
DAB	3, 3' diaminobenzidine
DAPI	4',6-diamidino-2-phenylindole
DEPC	Diethyl pyrocarbonate
DKK	Dickkopf
DMSO	Dimethyl sulfoxide
DP	Declustering potential
DNA	Deoxyribonucleic acid
dNTP	deoxyribonucleotide triphosphate
EP	Entrance potential

ECL	Enterochromaffin-like
EDTA	Ethylenediaminetetraacetic acid
EGK	Eyal-Giladi and Kochav
ELISA	Enzyme-linked immunosorbent assay
ESI	Electrospray ionization
EtBr	Ethidium bromide
FGF	Fibroblast growth factor
FITC	Fluorescein isothiocyanate
g	Gram
g	Relative centrifugal force
GFR	Glomerular filtration rate
GI	Gastrointestinal
GLI	Glioma-associated oncogene
GREM	Gremlin
GST	Glutathione S-transferase
HCl	Hydrochloric acid
HH stages	Hamburger Hamilton stages
HPETE	Hydroperoxieicosatetranoic acid
IAEC	Institutional animal ethics committee
IE	Ionization efficiency
ISTD	Internal standard
KCl	Potassium chloride
L	Litre
LD	Lethal dose
LOEC	Least observed effect concentration
LOX	Lipoxygenase
LC-MS	Liquid chromatography-mass spectrometry
µg	Microgram
µL	Microlitre
µM	Micro molar
mA	Milli ampere
mg	Milli gram
mL	Milli litre

mM	Milli molar
MD	Muscular dystrophy
MMP	Matrix metalloproteinase
MRF	Myogenic regulatory factor
MRM	Multiple reaction monitoring
MYF	Myogenic factor
MYOD	Myoblast determination protein
MYOG	Myogenin
NBT	Nitro blue tetrazolium
NCBI	National centre for biotechnology information
nM	Nano molar
NOG	Noggin
NSAIDs	Non-steroidal anti-inflammatory drugs
OCT	Optimum cutting temperature
PAGE	Polyacrylamide gel electrophoresis
PBS	Phosphate buffered saline
PEG	Polyethylene glycol
PG	Prostaglandin
pNPP	P-Nitrophenyl Phosphate
POX	Peroxidases
PTGS	Prostaglandin-endoperoxide synthases
PVDF	Polyvinylidene difluoride
qRT-PCR	Quantitative real-time polymerase chain reaction
QTRAP	Quadrupole linear ion trap spectrometers
RNA	Ribonucleic acid
rpm	Rotation per minute
RT	Reverse transcription
RT-PCR	Reverse transcription polymerase chain reaction
SDS	Sodium dodecyl sulphate
SHH	Sonic hedgehog
SMO	Smoothened
ssdna	Single stranded deoxyribonucleic acid
TE	Tris-EDTA

TBE	Tris-borate-EDTA
TBS	Tris buffered saline
TBST	Tris-buffered saline triton X-100
TBX	TATA box factors
TEMED	N, N, N', N'-tetramethylethane-1,2-diamine
Tris	Tris (hydroxymethyl) aminomethane
TX	Thromboxane
TXS	Thromboxane synthase
UHPLC	Ultra-high performance liquid chromatography
v/v	Volume/volume
Wnt	Wingless type
°C	Degree centigrade
w/v	Weight/volume