List of Abbreviations

2-DGE	Two-dimensional gel electrophoresis
AEC	Apical epithelial cap
AER	Apical ectodermal ridge
AKT	Protein kinase B
ANOVA	Analysis of variance
APS	Ammonium persulfate
BCIP/NBT	5-bromo-4-chloro-3-indolyl phosphate/ nitro blue tetrazolium
BL	Blastema
BMP	Bone morphogenetic proteins
bp	base pair
BSA	Bovine serum albumin
CBB	Coomassie brilliant blue
CPCSEA	Committee for the Purpose of Control and Supervision of Experiments on Animals
dpa	Days post-amputation
DTT	Dithiothreitol
ECM	Extra cellular matrix
EGF	Epidermal growth factor
EMT	Epithelial to mesenchymal transition
FGF	Fibroblast growth factor
hpa	Hours post amputation
hr	hour/(s)
IAEC	Institutional Animal Ethics Committee
IEF	Iso-electric focusing

IL	Interleukin
IPG	Immobilised pH gradient strip
MAPK	Mitogen-Activated Protein Kinase
min	Minute
MMP	Matrix metalloproteinase
NBT	Nitro blue tetrazolium
PBS	Phosphate buffered saline
PBST	Phosphate Buffered Saline-Tween-20
qPCR	Quantitative PCR
RT	Room temperature
RT-PCR	Reverse-transcriptase PCR
SDS-PAGE	Sodium dodecyl sulphate-polyacrylamide gel electrophoresis
Shh	Sonic hedgehog
TEMED	*N*,*N*,*N′*,*N′*-Tetramethylethane-1,2-diamine
TGF	Transforming growth factor
TIMP	Tissue inhibitor of matrix metalloproteinase
TNF	Tumor necrosis factor
Tris	Tris(hydroxymethyl) aminomethane
WE	Wound epithelium
Wnt	Wingless type