List of Abbreviations

A	Actinotrichia
Act	Actin like protein
AEC	Apical Epithelial Cap
Alk	Anaplastic Lymphoma Kinase
ANOVA	Analysis of variance
APS	Ammonium Persulfate
BCIP	5- bromo-4- chloro-3- indolyl phosphate
BL	Blastema
BMP	Bone Morphogenetic Proteins
BrdU	Bromodeoxyuridine (5- bromo-2'- deoxyuridine)
BSA	Bovine Serum Albumin
Caspase	Cysteine dependent aspartate- directed proteases
DEPC	Diethyl Pyrocarbonate
DF	Differentiation
dpa	Days post amputation
EMT	Epithelial Mesenchymal Transition
FGF	Fibroblast Growth Factor
FITC	Fluorescein isothiocyanate
GDF	Growth differentiation factor
GLI	Glioma Associated oncogene
hpa	Hours post amputation
hr	hour/(s)
HSPG	Heparan Sulfate Proteoglycan
IAEC	Institutional Animal Ethics Committee
IL	Interleukins
iNOS	Induced Nitric Oxide Synthase
LMA	Low Melting Agarose
MAPK	Mitogen Activated Protein Kinase
min	minute
MMP	Matrix Metalloproteinase
NMA	Normal Melting Agarose

NCBI	National Centre for Biotechnology Information
NFL	Newly Formed Lepidotrichia
Osc	Osteocalcin
Osn	Osteonectin
PBS	Phosphate Buffered Saline
PBST	Phosphate Buffered Saline Tween 20
RA	Retinoic Acid
RT	Room Temperature
RT- PCR	Reverse Transcription Polymerase Chain Reaction
SDS- PAGE	Sodium Dodecyl Sulphate Polyacrylamide Gel Electrophoresis
Shh	Sonic hedgehog
TGF	Transforming Growth Factor
TIMP	Tissue Inhibitor of Matrix Metalloproteinase
VEGF	Vascular Endothelial Growth Factor
WE	Wound Epithelium
Wnt	Wingless type