

LIST OF ABBREVIATIONS

AChE	Acetylcholine esterase
AIRE	Autoimmune regulatory region
AIS	Autoimmunity susceptibility locus
APS	Ammonium persulfate
ASIP	Agouti signaling protein
ATChI	Acetylthiocholine iodide
bp	Base pairs
CAT	Catalase
CDNB	1 Chloro 2,4 dinitro benzene
COMT	Catechol O methyl transferase
CTLA 4	Cytotoxic lymphocyte antigen 4
DAB	Diaminobenzidine
DTNB	5-5' Dithiobis (2-nitrobenzoic) acid
DTT	Dithiothreitol
EDTA	Ethylene diamine tetra acetic acid
EGTA	Ethylene glycol-O, - O-bis (2 aminoethyl) N,N,N',N' tetra acetic acid
G6PDH	Glucose 6 phosphate dehydrogenase
G6PO ₄	Glucose 6 phosphate
GPX	Glutathione peroxidase
GR	Glutathione reductase
GSH	Reduced glutathione
GSSG	Oxidized glutathione
GST	Glutathione S Transferase
HEPES	N-2-hydroxyethylpiperazine-N-2-ethane sulphonic acid
HRP	Horse radish peroxidase
KDa	Kilodalton
LMP	Low molecular weight protein
LPO	Lipid peroxidation
MC1R	Melanocortin-1 receptor
MDA	Malondialdehyde
NADH	Nicotinamide adenine dinucleotide (reduced)
NADP	Nicotinamide adenine dinucleotide phosphate
NADPH	Nicotinamide adenine dinucleotide phosphate (reduced)
NBT	Nitro blue tetrazolium chloride monohydrate
OD	Optical density
PBS	Phosphate buffered saline
PMS	Phenazine methosulfate
PMSF	Phenylmethane sulphonyl fluoride
PVDF	Polyvinylidene fluoride
RFLP	Restriction fragment length polymorphism

SDS	Sodium dodecyl sulphate
SLEV1	Vitiligo related systemic lupus erythematosus gene
SOD	Superoxide dismutase
TAE	Tris acetate EDTA
TAP	Transporter associated with antigen processing protein
TBA	Thiobarbituric acid
TBE	Tris borate EDTA
TCA	Trichloroacetic acid
TEMED	N,N,N',N' Tetramethyl ethylenediamine
TMB	Tetra methyl benzidine
TMP	Tetra methoxy propene
TNF	Tumor necrosis factor