

ABBREVIATIONS

AChE	Acetylcholine esterase
ACE	Angiotensin converting enzyme
AIRE	Autoimmune regulatory region
AIS	Autoimmunity Susceptibility locus
APS	Ammonium persulfate
ASIP	Agouti signalling protein
ATChI	Acetylthiocholine iodide
BH ₄	Tetrahydrobiopterin
bp	Base pairs
CAT	Catalase
CD	Cluster of differentiation
CDNB	1 Chloro 2,4 dinitro benzene
CLEC11A	C-type Lectin Domain Family 11, Member A
COMT	Catechol O methyl transferase
CTLA 4	Cytotoxic lymphocyte antigen 4
DAB	Diaminobenzidine
DDR1	Discoidin domain receptor tyrosine kinase 1
DOPA	dihydroxyphenylalanine
DTNB	5-5' Dithiobis (2-nitrobenzoic) acid
DTT	Dithiothreitol
EDTA	Ethylene diamine tetra acetic acid
EGF	Epidermal growth factor
EGTA	Ethylene glycol-O, - O-bis (2 aminoethyl) N,N,N',N' tetra acetic acid
ESRI	Estrogen receptor gene 1
FOXD3	Forkhead box D3
G6PDH	Glucose 6 phosphate dehydrogenase
G6PO ₄	Glucose 6 phosphate

GPX	Glutathione peroxidase
GR	Glutathione reductase
GSH	Reduced glutathione
GSSG	Oxidised glutathione
GST	Glutathione S Transferase
GWAS	Genome-wide association studies
HEPES	N-2-hydroxyethyl piperazine-N-2-ethane sulphonic acid
HGH	Human growth hormone
HRP	Horse radish peroxidase
ICAM	Intercellular adhesion molecules
KDa	Kilodalton
KIT	Tyrosine kinase receptor
LMP	Low molecular weight protein polypeptide
LPO	Lipid peroxidation
MC1R	Melanocortin-1 receptor
MCHR1	Melanin concentrating hormone receptor 1
MDA	Malondialdehyde
MYG1	Melanocyte proliferating gene 1
NADH	Nicotinamide adenine dinucleotide (reduced)
NADP	Nicotinamide adenine dinucleotide phosphate
NADPH	Nicotinamide adenine dinucleotide phosphate (reduced)
NBT	Nitro blue tetrazolium chloride monohydrate
NPY	Neuropeptide Y
NS	Non-segmental vitiligo
OD	Optical density
PBS	Phosphate buffered saline
PDGF	Platelet-derived growth factor
PMS	Phenazine methosulphate
PMSF	Phenylmethane sulphonyl fluoride

PVDF	Polyvinylidene fluoride
RFLP	Restriction fragment length polymorphism
ROS	Reactive oxygen species
RNS	Reactive oxygen species
SDS	Sodium dodecyl sulphate
SLEV1	Vitiligo related systemic lupus erythematosus gene
SOD	Superoxide dismutase
SV	Segmental vitiligo
TAE	Tris acetate EDTA
TAP	Transporter associated with antigen processing protein
TBA	Thio barbituric acid
TBE	Tris borate EDTA
TCA	Trichloroacetic acid
TEMED	N,N,N',N' Tetramethyl ethylenediamine
TGF- β	Transforming growth factor- β
TMB	Tetra methyl bezidine
TMP	Tetra methoxy propene
TNF	Tumor necrosis factor
TRP-1	Tyrosinase-related protein-1
XO	Xanthine oxidase

Note: The full forms of several rarely used abbreviations have been described within the text.