

ABBREVIATIONS

APCs	Antigen presenting cells
APR	Acute phase response
ARMS-PCR	Amplification refractory mutation system - Polymerase chain reaction
ATF6	Activating transcription factor 6
AV	Active vitiligo
BHA	Butylated hydroxyanisole
CAT	Catalase
CD	Cluster of differentiation
CHOP	C/EBP homologous protein
CI	Confidence Interval
CTLA4	Cytotoxic T lymphocyte-associated antigen-4
CXCL	Chemokine (c-x-c motif) ligand
DCs	Dendritic cells
DCT	Dopachrome tautomerase
DMSO	Dimethyl sulfoxide
DOPA	Dihydroxyphenylalanine
ECLIA	Electrochemiluminescence immuno-sassay
EDTA	Ethylene diamine tetra acetic acid
EIF	Eukaryotic initiation factor
<i>EIF2AK1</i>	Eukaryotic translation initiation factor 2-alpha kinase 1
ELISA	Enzyme linked immuno sorbent assay
ER	Endoplasmic reticulum
ERAD	ER associated degradation
ERN1	Endoplasmic reticulum to nucleus signalling 1
ERO-1	Endoplasmic reticulum oxidoreductin 1
ERSE-1	Endoplasmic reticulum stress response element
G6PD	Glucose 6 phosphate dehydrogenase
GAPDH	Glyceraldehyde 3-phosphate dehydrogenase
GPX	Glutathione peroxidise
GRP78	78kDa glucose regulated protein
GSH	Reduced glutathione
GV	Generalized vitiligo
GWAS	Genome-wide association studies
H ₂ O ₂	Hydrogen peroxide
Hcy	Homocysteine
HGH	Human growth hormone

HLA	Human leucocyte antigen
HSP	Heat shock protein
HWE	Hardy-weinberg equilibrium
ICAM	Intercellular adhesion molecule 1
IFNG	Interferon- γ
IgG	Immunoglobulin G
IL	Interleukin
KB	Kilobase (s)
kDa	Kilo dalton
LC	Langerhans cell
LD	Linkage disequilibrium
LMP	Low molecular weight polypeptide
LV	Localized vitiligo
MART-1	Melanoma antigen recognized by t cells 1
MCP	Monocyte chemoattractant protein
MHC	Major histocompatibility complex
MIRNA	Microna
MITF	Microphthalmia transcription factor
mRNA	Messenger RNA
MTHFR	Methylene tetrahydrofolate reductase
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium salt
<i>MYG1</i>	Melanocyte proliferating gene 1
NF κ B	Nuclear factor kappa-light-chain-enhancer of activated b cells
NHM	Normal human melanocytes
NK	Natural killer cell
NLRP1	Nacht leucine-rich repeat protein 1
<i>NPY</i>	Neuropeptide y
NSV	Non-segmental vitiligo
OD	Optical density
OR	Odds ratio
PAGE	Polyacrylamide gel electrophoresis
PANTHER	Protein analysis through evolutionary relationships
PBMC	Peripheral blood mononuclear cells
PBS	Phosphate buffered saline
PCR	Polymerase chain reaction
PCR-RFLP	Polymerase chain reaction-restriction fragment length polymorphism

PERK	PKR-like endoplasmic reticulum kinase
PMEL	Premelanosome protein
POLYPHEN	Polymorphism phenotyping
PSMB8	Proteasome subunit beta type-8
PUVA	Psoralen and ultraviolet A
ROS	Reactive oxygen species
SBF	Suction induced blister fluid
SDS	Sodium dodecyl sulphate
SERP1	Stress-associated endoplasmic reticulum protein
SIFT	Sorting intolerant from tolerant
SIRT1	Sirtuin 1
SNP	Single nucleotide polymorphism
SOD	Superoxide dismutase
SV	Stable vitiligo
TAE	Tris acetate edta
TAP	Transporter associated with antigen processing
Th1	Type 1 T helper cell
TNFA	Tumour necrosis factor- α
TNFB	Tumor necrosis factor- β
Tregs	Regulatory T cells
TRP	Tryptophan
TUDCA	Tauro-ursodeoxycholic acid
TYR	Tyrosinase
TYRP1	Tyrosinase related protein 1
UPR	Unfolded protein response
UPRE	Unfolded protein response element
UV-B	Ultraviolet B
VETF	Vitiligo european task force
VGICC	Vitiligo global issues consensus conference
XBP-1	X-box binding protein 1