

Abbreviation

ACTH	Adrenocorticotrophic hormone
ANOVA	Analysis of variance
APCS	Antigen-presenting cells
ATD	Autoimmune thyroid disease
AV	Active vitiligo
B7-H4	B7 homolog 4
B7-S1	B7 superfamily member 1
BEC	Biliary epithelial cells
BMA	Beta-d-mannose
C-EAE	Chronic experimental autoimmune encephalomyelitis
CHIP	Chromatin immunoprecipitation
CIA	Collagen induced arthritis
CNS	Central nervous system
CTL	Cytotoxic t cells
CTLA-4	Cytotoxic T-lymphocyte associated protein 4
DCS	Dendritic cells
DHI	5,6-dihydrocyindole
DHICA	Dihydrocarboxylic acid
DNA	Deoxyribonucleic acid
EAE	Experimental autoimmune encephalomyelitis
ELISA	Enzyme-linked immunosorbent assay
ER	Endoplasmic reticulum
EST	Expressed sequence tags
FACS	Fluorescence activated cell sorting
FDA	Food and drug administration
G6PD	Glucose 6-phosphate dehydrogenase
GAPDH	Glyceraldehyde 3-phosphate dehydrogenase
GM-CSF	Granulocyte macrophage- colony stimulating factor
GPI	Glycosylphosphatidylinositol
GPX	Glutathione peroxidase
GV	Generalized vitiligo
GVHD	Graft versus host disease
GWAS	Genome wide association study
HBMSCS	Human bone marrow-derived mesenchymal stem cells
HWE	Hardy-Weinberg equilibrium
IBD	Inflammatory bowel disease
IECHR	Institutional ethical committee for human research
IFN- γ	Interferon γ
IHC	Immunohistochemistry
IL-10	Interleukin-10
IL-4	Interleukin-4
IL-6	Interleukin-6
JIA	Idiopathic arthritis

L	Lesional skin
LD	Linkage disequilibrium
L-DOPA	L-3,4 dihydroxyphenylalanine
LN	Lupus nephritis
LPO	Lipid peroxidase
LV	Localized vitiligo
MAN	Alpha-d-mannose
MBP	Myelin basic protein
MC1-R	Melanocortin-1 receptor
MHC	Major histocompatibility complex
MITF	Microphthalmia-associated transcription factor
MOG	Myelin oligodendrocyte glycoprotein
MS	Multiple sclerosis
MSH	Melanocyte stimulating hormone
MVTCN1	Membrane-bound vtn1
NCC	Neural crest cells
NAG	N-acetyl glucosamine
NL	Non-lesional skin
NOD	Non-obese diabetic
NPY	Neuropeptide y
NRD1	Nardilysin
NSV	Non-segmental vitiligo
PBC	Primary biliary cirrhosis
PBMCS	Peripheral blood mononuclear cells
PCR-RFLP	Polymerase chain reaction- restriction fragment length polymorphism
PD-1	Programmed cell death protein 1
PL	Perilesional skin
PLP	Proteolipid protein
PSMB8	Proteosome subunit beta 8
pSS	Primary sjögren's syndrome
PVDF	Polyvinylidene difluoride
R-EAE	Relapsing experimental autoimmune encephalomyelitis
ROS	Reactive oxygen species
SGECS	Salivary gland epithelial cells
SLE	Systemic lupus erythematosus
SNP	Single nucleotide polymorphism
SOD	Superoxide dismutase
STAT3	Signal transducer and activator of transcription
SV	Segmental vitiligo
SV	Stable vitiligo
sVTCN1	Soluble VTCN1
T1D	Type 1 diabetes
TAP1	Transporter associated with antigen processing i
TCR	T-cell receptors

TIM-3	T cell immunoglobulin and mucin domain-containing protein-3
TNF- α	Tumor necrosis factor α
T-reg	Regulatory t cells
TYRP1	Tyrosinase-related protein 1
UTR	Untranslated Region
UV Light	Ultraviolet light
VETF	Vitiligo European task force
VGICC	Vitiligo global issues consensus conference
VTCN1	V-set domain containing t cell activation inhibitor 1
VTCN1-Ig	B7-h4 ig fusion protein