

LIST OF ABBREVIATIONS

Abbreviation or symbol	Term
2DE	Two dimensional gel electrophoresis
A	Ampere(s)
Ab	Antibody(-ies)
ABC	ATP-binding cassette
Ag	Antigen(s)
AP	Alkaline phosphatase
Amu	atomic mass unit
BCIP	5-bromo-4-chloro-3-indoxyl-phosphate
Bis	N, N'-methylenebisacrylamide
BS	Bovine serum
BSA	Bovine serum albumin
C	Crosslinking factor [%]
CA	Carrier ampholyte
CI	Confidence interval
°C	Degree(s) Celsius
CBB	Coomassie brilliant blue (dye)
cCBB	Colloidal Coomassie Brilliant Blue (dye)
CHAPS	3-(3-cholamidopropyl) dimethylammonio-1-propane sulfonate
cm	Centimeter(s)
Da	Dalton(s)
δ	Delta
ΔC_n	Delta correlation
DHF	Dengue hemorrhagic fever
DIGE	Difference gel electrophoresis
DMF	Dimethylformamide
DNA	Deoxyribonucleic acid
DTT	Dithiothreitol

LIST OF ABBREVIATIONS (Cont.)

Abbreviation or symbol	Term
DW	Distilled water
EDTA	Ethylenediamine tetraacetic acid
ELISA	Enzyme-linked immunosorbent assay
EMJH	Ellinghausen-McCullough-Johnson-Harris
ESI	Electrospray ionization
<i>et al.</i>	<i>et alli</i>
FtsE	filamentation temperature-sensitive E protein
γ	Gamma
$\times g$	Gravity
g	Gram(s)
HLA	Human leukocyte antigen
HPLC	High performance liquid chromatography
Hsp	heat shock protein
IAA	Iodoacetamide
IEF	Isoelectric focusing
IFN	Interferon
Ig	Immunoglobulin(s)
IgG	Immunoglobulin G
IgM	Immunoglobulin M
i.p.	Intraperitoneally
IPG	Immobilized pH gradients
JHR	Jarisch-Herxheimer reactions
κ	Kappa
kDa	Kilodalton(s)
kHz	KiloHertz
kVh	Kilovolthours
λ	Lambda
L (l)	Liter(s)

LIST OF ABBREVIATIONS (Cont.)

Abbreviation or symbol	Term
LC	Liquid chromatography
LC/MS-MS	liquid chromatography tandem mass spectrometry
LolCDE	lipoprotein localization CDE
LPS	Lipopolysaccharide
M	Methionine
μ A	MicroAmpere(s)
μ g	Microgram(s)
μ l	Microliter(s)
μ m	Micrometer(s)
M	Mole
mA	Milliamper(s)
MAB	Monoclonal antibody(-ies)
MacAB	Macrolide specific ABC-type efflux carrier
MALDI	Matrix assisted laser desorption ionization
MAT	Microagglutination test
mg	Milligram(s)
min	Minute(s)
ml	Milliliter(s)
mm	Millimeter(s)
mM	Millimol(s)
M_r	Relative molecular mass
MS	Mass spectrometry
MS/MS	Tandem mass spectrometry
MW	Molecular weight
m/z	Mass to charge ratio
Na_2CO_3	Sodium carbonate
NaHCO_3	Sodium bi-carbonate
NBT	nitroblue tetrazolium

LIST OF ABBREVIATIONS (Cont.)

Abbreviation or symbol	Term
NC	Nitrocellulose paper (membrane)
ng	Nanogram(s)
NifU	Nitrogenase iron-sulphur U protein
NL	non-linear
nm	Nanometer(s)
nmol	Nanomol(s)
NSS	Normal saline solution
OD	Optical density(-ies)
ORF	Open reading frame(s)
PBMC	Peripheral blood mononuclear cell
PBS	Phosphate buffered saline
PBST	Phosphate buffered saline containing 0.05 % Tween-20
PCR	Polymerase chain reaction
pH	Negative logarithm of hydrogen ion activity
pmol	Picomol(s)
PMSF	Phenylmethyl-sulfonyl fluoride
PRX	Peroxiredoxin
PTM	Post-translational modification
PVDF	polyvinylidene difluoride
Q-TOF	Quadrupole time-of-flight
RNA	Ribonucleic acid
S	Serine
SDS-PAGE	Sodium dodecyl sulfate-polyacrylamide gel electrophoresis
SPHS	Severe pulmonary hemorrhagic syndrome
TBS	Tris buffered saline
TBS-T	Tris buffered saline containing 0.05% Tween-20
TNF	Tumor necrosis factor
TOF	Time of flight

LIST OF ABBREVIATIONS (Cont.)

Abbreviation or symbol	Term
Tris	Tris (hydroxymethyl)-aminomethane
TSA	Thio-specific antioxidant
V	Volts
VNTR	Variable number tandem-repeat
Vh	Volt-hours
v/v	Volume by volume
W	Watt(s)
w/v	Weight by volume
w/w	Weight by weight
WB	Western blot analysis (Western blotting)
X_{corr}	Cross-correlation number

สำนักหอสมุด