

Abbreviations and symbols

γ	gamma
λ	lambda
μ	micro
Å	Angstrom
APS	Ammonium Per Sulfate
bp	base pair
BSA	Bovine Serum Albumin
Ca	Calcium
CaBPs	Calcium Binding proteins
CaM	Calmodulin
CBB	Coomassie Brilliant Blue
CCP4	Collaborative Computational Project
CDPK	Calcium Dependent Protein kinase
CaCl ₂	Calcium chloride
Cl	Chloride
ChCl ₃	Chloroform
CNS	Crystallography and NMR system
COOT	Crystallographic Object-Oriented Toolkit
DNA	Deoxyribonucleic Acid
DTT	Dithiothreitol
EDTA	Ethylene Diamine Tetra Acetate
EGTA	Ethylene Glycol Tetraacetic Acid
EhCaBP1	Entamoeba histolytica Calcium Binding protein 1
EhCaBP5	Entamoeba histolytica Calcium Binding protein 5
ELC	Essential Light Chain
EtoH	ETHANOL
GalNAc	N-Acetylglucosamine
GLB	Gel Loading Buffer
HC	Heavy Chain
hr	hour
Ig	Immunoglobulin
IPTG	Isopropyl β -D-1-thiogalactopyranoside
Kb	Kilobase
kDa	kilodalton
Kd	Dissociation Constant
LB	Luria Broth
LGT	Lateral Gene Transfer
M	Marker
mA	milli Ampere
MALDI	Matrix Assisted Laser Desorption Ionization

mg	milligram
Mg	Magnesium
min	minute
ml	milliliter
mM	milliMolar
MME	Mono Methyl Ether
MPD	2-metyl-2,4-pentandiol
MR	Molecular Replacment
MS	Mass Spectrometry
NaOH	sodium hydroxide
NK	Natural Killer
nm	nanometer
NMR	Nuclear Magnetic Resonance
NTA	Nitrilotriacetic acid
°C	degree centigrade
PAGE	Polyacrylamide gel electrophoresis
PAHO	Pan American Health Organization
Pb	Lead
PBS	Phosphate Buffer Saline
PCR	Polymerase Chain Reaction
PDB	Protein Data Bank
PEG	Polyethylene Glycol
PFGE	Pulse Field Gel Electrophoresis
pm	picomole
PMSF	Phenyl Methl Sulphonyl Fluoride
RLC	Regulatory Light Chain
RTK	Receptor Tyrosine Kinase
RMSD	Root Mean Square Deviation
RNA	Ribonucleic Acid
Ins(1,4,5)P3	Inositol-1,4,5-triphosphate
caDPR	cyclic ADP ribose
NAD	Nicotinic-Adenine Dinucleotide
NADP	Nicotinic-Adenine Dinucleotide Phosphate
PLC	Phospholipase C
rpm	rotations per minute
SAD	Single Wavelength Anomalous Dispersion
SDS	Sodium Dodecyl Sulphate
sec	second
Sr	Strontium
SSC	Standerd Saline Solution
T ₁₀ E ₁	Tris-EDTA
TBE	Tris-Borate-EDTA
TEMED	N, N, N', N', Tetraethylenediamine

Ta	Annealing Temperature
TnC	Troponin C
Tris	Tris (hydroxylemethyl) amino ethane
U	Unit
v/v	volume/volume
W	Watt
w/v	weight/volume
WHO	World Health Organization
β-ME	β-Mercaptoethanol

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