

LIST OF ABBREVIATIONS

ATP	Adenosine triphosphate
BLAST	Basic Local Alignment Search tool
bp	Base pair
CTAB	Cetyl-tri-ethyl ammonium bromide
DNA	Deoxy-ribonucleic acid
dNTPs	2'- deoxynucleotide- 5'triphosphates
EDTA	Ethylene-diamine tetra acetic acid
g	Gram
H ₂ O ₂	Hydrogen peroxide
h	Hour
Kb	Kilo basepair
kDa	Kilo Dalton
LB	Luria Bertani Broth
M	Molar
Mb	Mega basepair
mg	Milligram
µg	Microgram
µl	Microlitre
µM	Micromolar
ml	Millilitre
nM	Nanomolar
PCR	Polymerase Chain Reaction
RNA	Ribonucleic acid
RT-PCR	Reverse Transcriptase Polymerase Chain Reaction
TBE	Tris-Borate EDTA
X-gal	5-bromo-4-chloro-3-indolyl-β-D-galactopyronoside.
HPT	Histidine Phosphotransferase

Abbreviations

TCS	Two Component System
HK	Histidine Kinase
SAPK	Stress activated MAP kinase
MAP kinase	Mitogen Activated Protein
HOG	Hyper osmolarity glycerol
CWI	Cell wall integrity