

List of Abbreviations

Ap	Ampicillin
APS	Ammonium per sulfate
ARDRA	Amplified ribosomal DNA restriction analysis
BLAST	Basic local alignment search tool
bp	Base pair
cDNA	Complementary Deoxyribonucleic acid
CFU	Colony forming unit
cm	Centimeter
CTAB	Cetyl trimethylammonium bromide
2, 4-DAPG	2,4-Diacetylphloroglucinol
DGGE	Denaturing gradient gel electrophoresis
DNA	Deoxyribonucleic acid
dNTPs	Deoxynucleotide triphosphate
DNase	Deoxyribonuclease
EDTA	Ethylene diamine tetra acetic acid
GC-MS	Gas chromatography Mass spectrometer
Gm	Gentamycin
IPTG	Isopropyl β -D-1-thiogalactopyranoside
GFP	Green fluorescent protein
IAA	Indole-3- acetic acid
ISR	Induce systemic resistance
JA	Jasmonic acid

LOX	Lipoxygenase
NFb	Nitrogen free biotin medium
NPR1	Non-expressor of pathogenesis related1
OD	Optical density
PAL	Phenylalanine ammonia lyase
PCR	Polymerase chain reaction
PDA	Potato dextrose agar
PGPB	Plant growth promoting Bacteria
PGPR	Plant growth promoting rhizobacteria
PR10a	Pathogenesis-related 10a
qPCR	Quantitative polymerase chain reaction
rDNA	Ribosomal DNA
RE	Restriction enzyme
RNA	Ribonucleic acid
SA	Salicylic acid
SAR	Systemic Acquired resistance
SDS-PAGE	Sodium dodecyl sulfate polyacrylamide gel electrophoresis
TAE	Tri Acetate EDTA
TCA	Tricarboxylic acid
TE	Tris EDTA
VC	Vector control

Note: The full forms of several rarely used abbreviations have been described within the text

List of Symbols

%	Percentage
°C	Centigrade
μl	Microliter
g	Gram
h	Hour
L	Liter
M	Molar
min	Minute
ml	Milliliter
s	Second
U	Unit
V	Volt
α	Alpha
β	Beta
γ	Gamma
