

Abbreviations

Amp	Ampicillin
A _r	Absorbance of reference
A _s	Absorbance of sample
BCA	biocontrol agent
bp	base pair
BLAST	Basic local alignment search tool
°C	Degree Celcius
CAS	Chrome Azurol S
CD	Critical difference
CFU	Colony forming unit
cm	centimeter
Cont.	continued
CTAB	cetyl trimethyl ammonium bromide
d	days
DDW	Deionized distilled water
DW	Distilled water
DNA	Deoxyribonucleic acid
DNase	Deoxyribonuclease
dNTP	Deoxy nucleotide triphosphate
dsDNA	Double stranded DNA
EDTA	Ethylene diamino tetraacetic acid
ed.	edition
Eds.	Editors

et al.	<i>Et alia</i>
Fig.	Figure
g	gram
h	Hour
HDTMA	hexadecyltrimethyl-ammonium bromide
IAA	Indole-3-acetic acid
IARI	Indian Agricultural Research Institute
IPTG	Isopropyl- β -D-1-thiogalactopyranoside
ITCC	Indian Type Culture Collection
ITS	Internal transcribed spacers
L	Litre
LB	Luria Bertani
M	Molar
MEGA	Molecular Evolutionary Genetics Analysis
μ g	microgram
μ l	microlitre
mg	milligram
ml	millilitre
mm	millimeter
mM	millimolar
min	minutes
MR	Methyl Red
VP	Voges-Proskauer
N	normal
NA	Nutrient agar
NB	Nutrient broth

NCBI	National Center for Biotechnology Information
No.	Number
nm	nanometer
ng	nanogram
OD	Optical Density
OD ₂₆₀	Absorbance at 260 nm
OD ₂₈₀	Absorbance at 280 nm
O-F	Oxidation-Fermentation
ONPG	<i>Ortho</i> -nitrophenyl- β -D-galactopyranoside
' (prime)	denotes a truncated gene at the indicated side
PCR	polymerase chain reaction
PDA	Potato Dextrose Agar
PDB	Potato Dextrose Broth
psi	Pound per Square Inch
PEDC	percent efficacy of disease control
PGPR	Plant Growth Promoting Rhizobacteria
PIPES	piperazine-1.4-bis(2-ethanesulphonic acid)
PPL	PUSA purple long
rDNA	ribosomal Deoxyribonucleic acid
rRNA	Ribosomal ribonucleic acid
rpm	Rotation per minute
SDS	Sodium dodecyl sulphate
SDW	Sterile Distilled Water
SE	Standard Error
SEM	Scanning electron microscopy
SMA	Skimmed Milk Agar

Soln.	Solution
spp.	Species
SPSS	Statistical Package for the Social Sciences
TAE	Tris acetic acid EDTA
TE	Tris HCl EDTA
TLC	Thin layer chromatography
TRIS	Tris hydroxymethyl amino methane
TSI	Triple sugar iron
TSIA	Triple sugar iron agar
U	unit
UV	Ultra violet
UV-Vis	ultra violet visible
V	Volt
Viz.	Videlicet=namely
v/v	Volume by Volume
w/v	Weight by Volume
X-gal	5- Bromo-4-chloro-3-indolyl-beta-D-galactopyranoside