

## ABBREVIATIONS

%	-	Per cent
±	-	Plus or minus
~	-	Approximately
>	-	Greater than
μ	-	Micro
μl	-	Micro litre
A	-	Absorbance
AA	-	Amino acids
AFLP	-	Amplified Fragment length Polymorphisms
ANOVA	-	Analysis of variance
ANR	-	Anthocyanidin reductase
ANS	-	Anthocyanidin synthase
B.C	-	Before Christ
BI	-	Briskness index
BLAST	-	Basic Local Alignment Search Tool
bp	-	Base pair
BSA	-	Bovine serum albumin
C.D	-	Critical difference
CAT	-	Catalase
cDNA	-	Complementary DNA
CI	-	Colour index
cm <sup>-1</sup>	-	Per centimeter
CTAB	-	Cetyltrimethyl ammonium bromide
DAD	-	Diode Array Detector
DMC	-	Dry matter content
DNA	-	Deoxyribonucleic acid
DFR	-	Dihydroflavonol-4-reductase
EC	-	Epicatechin
ECG	-	Epicatechin gallate,
EDTA	-	Ethylene diammine tetra acetic acid
EGC	-	Epigallocatechin
EGCG	-	Epigallocatechin gallate

F3H	-	Flavanone-3-hydroxylase
F35H	-	Flavonoid 3',5'-hydroxylase
FI	-	Flavour index
g	-	Gram
g <sup>-1</sup>	-	Per gram
HPLC	-	High performance liquid chromatography
HPS	-	Highly polymerised substances
IPTG	-	Isopropyl-1-thio-β-D-galactoside
IS	-	Indian Standard
ISO	-	International Organization for Standardisation
kg	-	Kilogram
LB	-	Luria-Bertani (medium)
m	-	Meter
M	-	Mole
max	-	Maximum
mg	-	Milligram
min <sup>-1</sup>	-	Per minute
mm	-	Millimeter
mM	-	Millimole
mRNA	-	Messenger ribonucleic acid
MSL	-	Mean sea level
MW	-	Molecular Weight
<i>o</i>	-	Ortho
°C	-	Degree centigrade
OD260	-	Optical density at 260 nm
oligo(dT)	-	Oligodeoxythymidylic acid
°N	-	Degree north
°S	-	Degree south
PAL	-	Phenylalanine ammonia lyase
PCR	-	Polymerase Chain Reaction
PO	-	Polyphenols
POD	-	Peroxidase
PPO	-	Polyphenol Oxidase
RNA	-	Ribonucleic acid

RNase	-	Ribonuclease
rpm	-	Rotation per minute
SC	-	Simple catechins
SDS	-	Sodium dodecyl sulphate
SDS-PAGE	-	Sodium dodecyl sulphate-Polyacrylamide gel electrophoresis
SEm	-	Mean standard error
SPSS	-	Special purpose statistical software
<i>spp.</i>	-	Species
<i>Taq</i>	-	<i>Thermus aquaticus</i> DNA (polymerase)
TC	-	Total catechins
TF	-	Theaflavins
TLC	-	Total liquor colour
TR	-	Thearubigins
TR/TF	-	Ratio between thearubigins to theaflavins
TRI	-	Tea Research Institute
Tris	-	Tris(hydroxymethyl)aminomethane
UPASI	-	United Planter's Association of southern India
UPGMA	-	Unweighted Pair Group Method, Arithmetic Mean
w/v	-	Weight per volume
Xgal	-	5-bromo-4-chloro-3-indolyl- $\beta$ -Dgalactoside