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LIST OF ABBREVIATION

Abbreviation

A24+S :

P5CR :

$\Delta\Delta CT$:

ANOVA:

ATP:

BC:

Bp:

CDPK:

CLP:

CMT:

CRD:

CT:

EC:

EU:

GAD:

GB:

GHG:

HS:

HSP:.

HT:

LD:

LSD:

MAPK:

MAS:

mM:

MTS:

Definition

Heat treatment 42 °C for 2 h post-acclimation

pyrroline-5-carboxylate reductases

Delta Delta Threshold Cycle

Analysis of variance

Adenosine tri phosphate

Before century

Base pair

Calcium dependent protein kinase

Caseinolytic protease

Cell membrane thermostability

Completely Randomized Design

Threshold Cycle

Electrical conductivity

European

Glutamate decarboxylase

Glycinebetaine

Green house gases

Heat sensitive cultivars

Heat shock protein

Heat tolerant cultivars

linkage disequilibrium

Least significant difference test

Mitogen activated protein kinases

Marker-assisted selection

Mel Mole

Membrane thermostability

NCBI:	National Center for Biotechnology Information
P:	Probability
P5CS:	pyrroline-5-carboxylate synthases
PSII:	Photosystem II
R:	Colleration
R:	Regression
RE:	release year
ROS:	Reactive Oxygen Species
RT-PCR:	Real time polymerase chain reaction
S:	Heat treatment directly to 42 °C for 2 h
S.N:	Strain number
sHsp:	Small Heat shock protein
SNP:	Single nucleotide polymorphism
Mg :	Micro gram
MI:	Micro litter