

## Abbreviations

$\alpha$	alpha
$\beta$	beta
$\mu$	micro
$\mu\text{l}$	microliter
$^{\circ}\text{C}$	Degree Celcius
%	Percent
ANOVA	Analysis of Variance
BAP	6 – Benylaminopurine
bp	base pair
CaMV	Cauliflower Mosaic Virus
CFU	colony forming unit
cm	centimeter
CTAB	cetyltrimethyammonium bromide
dH <sub>2</sub> O	distilled water
DNA	deoxyribonucleic
dNTP	deoxynucleotriphosphate
EDTA	ethylenediaminetetraacetic acid
EtOH	ethanol
<i>et al.</i>	et alia
EtBr	ethidium bromide
FAA	Formalin/ Acetic/ Alcohol

FWD	forward
g	gram
GFP	green fluorescent protein
GAB	GUS assay buffer
GEB	GUS extraction buffer
GUS	$\beta$ -glucuronidase
HCl	Hydrochloride acid
J	Joule
kb	Kilobase
L	Liter
M	Molar
mg	milligram
MgCl <sub>2</sub>	Magnesium Chloride
Mins	Minutes
ml	milliliter
mM	miliMolar
mm	millimeter
MS	Murashige and Skoog
MUG	4-methylumbelliferyl- $\beta$ -glucuronide
MSO	MS media without plant growth regulator
NAA	$\alpha$ -naphthalene acetic acid
N <sub>2</sub>	Nitrogen
NaCO <sub>3</sub>	Sodium carbonate

NaOH	Sodium Hydroxide
NaCl	Sodium Chloride
OD	Optical Density
PBIU	Plant Biotechnology Incubator Unit
PCR	Polymerase Chain Reaction
PGR	Plant Growth Regulator
pmol	Pico mole
RNA	ribonucleic acid
REV	reverse
rpm	rotation per minute
SD	Standard Deviation
SDS	Sodium Dodecyl Sulphate
spp	subspecies
TAE	Tris acetate EDTA
TE	Tris EDTA
U	Unit
UV	Ultra Violet
V	Volt
v/v	Volume over volume
w/v	Weight over volume
X-Gluc	5-bromo-4-chloro-3-indolyl- $\beta$ -glucuronide
YEB	Yeast extract broth
4-MU	4-methylumbelliferone