

ABBREVIATIONS and SYMBOLS

°C	Degree centigrade
µl	Microliter
A	Absorbance
amiRNA	Artificial microRNA
APX	Ascorbate peroxidase
At	Arabidopsis thaliana
ATG	Autophagy gene
bp	Base pairs
BLAST	Basic Local Alignment Search Tool
CaMV	Cauliflower mosaic virus
CAT	Catalase
DAB	3',3'- Diamino benzidine
DNA	Deoxyribonucleic acid
dNTPS	Deoxyribonucleotide triphosphate
EB	Elution buffer
EDTA	Ethylenediamine tetraacetic acid
GFP	Green fluorescent protein
GPX	Glutathione Peroxidase
GSDS	Gene structure display server
GUS	β-glucuronidase
h	Hours
HR	Hypersensitive response
ITAG	Information Technology Advisory Group
Kb	kilobase pairs
kD	Kilo Dalton
LSD1	Lysine-specific histone demethylase 1
MEGA	Molecular Evolutionary Genetics Analysis
mg	Milligram
ml	Millilitre
mm	Millimeter
MC	Metacaspase

MS	Murashige and Skoog
M _w	Molecular weight
ND1	NADH dehydrogenase 1
OD	Optical density
ORF	Open reading frame
PetB	Cytochrome B6 gene
PCD	Programmed cell death
PCR	Polymerase Chain Reaction
pI	Isoelectric point
qRT-PCR	Quantitative Real-Time PCR
RNA	Ribonucleic acid
ROS	Reactive oxygen species
RPM	Revolution per minute
RT	Room Temperature
SAG12	Senescence associated gene 12
SGN	Solgenomics network
SGR1	Stay green 1
SL	Senescent leaf
SOD	Superoxide dismutase
Solyc	Solanum lycopersicum
TAIR	The Arabidopsis Information Resource
UBQ5	Ubiquitin5
UV	Ultraviolet
V	Volume
W	Weight
YCA	Yeast caspase