

ABBREVIATIONS

ABA	Abscisic acid
ABI	ABA insensitive
ABRC	Arabidopsis biological resource center
<i>absg</i>	<i>ABA supersensitive mutants for germination</i>
ABRE	ABA-responsive element
ACC	l-aminocyclopropane-1-carboxylic acid
AdoMet	S-adenosyl-L methionine
<i>AGL16</i>	<i>AGAMOUS-LIKE16</i>
<i>AGO</i>	<i>ARGONAUTE</i>
ANOVA	Analysis of variance
<i>AP2</i>	<i>APETALA2</i>
<i>ARF</i>	<i>AUXIN RESPONSE FACTOR</i>
<i>APS</i>	<i>ATP sulphurylases</i>
<i>ASIL1</i>	<i>Arabidopsis 6B-Interacting Protein1-Like1</i>
<i>ATML1</i>	<i>ARABIDOPSIS THALIANA MERISTEM LAYER1</i>
<i>ATHB</i>	<i>Arabidopsis thaliana HOMEBOX</i>
ATP	Adenosine tri phosphate
BLAST	Basic local alignment search tool
bp	Base pair
BR	Brassinosteroid
CBP	Cap binding protein
cDNA	Complementary deoxy ribonucleic acid
CK	Cytokinin
CIP	COPI-interacting protein
COP1	CONSTITUTIVE PHOTOMORPHOGENIC 1
<i>cpd</i>	<i>Constitutive photomorphism and dwarfism</i>
<i>CUC</i>	<i>CUP SHAPED COTYLEDON</i>
<i>ctr1</i>	<i>Constitutive triple response 1</i>
DAG	Day after germination
DCL	DICER-LIKE
DEPC	Diethylpyrocarbonate
DMSO	Dimethyl sulfoxide
<i>DML3</i>	<i>DEMETER-LIKE protein3</i>
DMAPP	Dimethylallyl pyrophosphate
DNase	Deoxyribonuclease
dNTPs	Deoxynucleotide triphosphates
DS	Dry seed
DTT	Dithiothreitol
EDTA	Ethylenediaminetetraacetic acid
ET	Ethylene
EIN2	Ethylene insensitive2

<i>era3</i>	<i>Arabidopsis enhanced response to ABA3</i>
<i>etr1</i>	<i>Ethylene receptor1</i>
EtBr	Ethidium bromide
<i>EXP</i>	<i>EXPANSIN</i>
eTM	Endogenous target mimic
<i>FUS3</i>	<i>FUSCA3</i>
GA	Gibberellic acid
GRF	Growth Regulator Factor
GGDP	geranylgeranyl diphosphate
GID1	GA INSENSITIVE DWARF1
GUS	b-glucuronidase
gm	Gram
HST	HASTY
<i>HDA6</i>	<i>Histone deacetylase 6</i>
HD-ZIP III	CLASS III HOMEODOMAIN-LEUCINE ZIPPER
<i>HEN1</i>	<i>HUA ENHANCER1</i>
<i>HYL1</i>	<i>HYPONASTIC LEAVES1</i>
hrs	Hours
IAA	Indole-3-acetic acid
IPTG	Isopropyl-β-D-thiogalactopyranosid
IPT	isopentenyl transferase
IS	Imbibed seed
Kb	Kilo base pair
KDa	Kilodalton
Kg	Kilogram
LB	Luria Bertani
LEA	Late Embryogenesis Abundant
<i>LEC</i>	<i>Leafy cotyledon</i>
<i>LOX2</i>	<i>LIPOXYGENASE2</i>
M	Molar
<i>MAPK</i>	<i>Mitogen-activated protein kinase</i>
<i>MARD1</i>	<i>Mediator of ABA-regulated dormancy1</i>
MCT	Microcentrifuge tube
MEP	Methylerythritol phosphate
MES	2-(N-morpholino)ethanesulfonic acid
mg	Milligram
mins	Minutes
miRNA	microRNA
ml	Mililitre
mM	Millimolar
mm	Millimeter
MOPS	3-(N-morpholino) propanesulfonic acid
MS	Murashige and Skoog medium

MVA	mevalonate
NAC	NAM, ATAF1/2 and CUC2
NAM	No apical meristem
NCBI	National center for biotechnology information
<i>NCED</i>	<i>9-cis-epoxycarotenoid dioxygenase</i>
<i>NF-YA</i>	<i>NUCLEAR FACTOR Y, SUBUNIT A</i>
nt	Nucleotide
OD	Optical density
Oe	Overexpression
PCD	Programmed cell death
PCR	Polymerase chain reaction
PEG	Polyethylene glycol
<i>PHO2</i>	<i>PHOSPHATE 2</i>
<i>PHB</i>	<i>PHABULOSA</i>
<i>PHV</i>	<i>PHAVOLUTA</i>
PIN	PIN-FORMED
Pol II	PolymeraseII
<i>PNH</i>	<i>Pinhead</i>
PPR	Pentatricopeptide repeat
qRT-PCR	Quantitative real time polymerase chain reaction
<i>RDR6</i>	<i>RNA DEPENDENT RNA POLYMERASE 6</i>
<i>REV</i>	<i>REVOLUTA</i>

RISC	RNA-induced silencing complex
<i>RNA</i>	Ribonucleic Acid
<i>RNase</i>	<i>Ribonuclease</i>
<i>RNaseA</i>	<i>Ribonuclease A</i>
rpm	Revolutions per minute
RT	Room Temperature
RT-PCR	Reverse transcription polymerase chain reaction
<i>sad1</i>	<i>supersensitive to ABA and drought1</i>
SAM	Shoot apical meristem
SCF	S-phase kinase-associated protein 1 p19 (SKP1)/ Cullin/F-box complex
SD	Standard deviation
SDS	Sodium dodecyl sulphate
SE	Standar error
secs	Seconds
<i>SGS3</i>	<i>SUPPRESOR OF GENE SILENCING 3</i>
siRNA	small interfering RNA
<i>sit</i>	<i>Sitiens</i>
<i>SINI</i>	<i>Short Integuments 1</i>

SLS	Sodium Lauryl Sulfate
sRNA	small ribo nucleic acid
<i>SUS1</i>	<i>Suspensor1</i>
<i>SPL</i>	<i>SQUAMOSA PROMOTER BINDING PROTEIN LIKE</i>
<i>SULTR</i>	<i>Sulphur transporter</i>
TAA	TRYPTOPHAN AMINOTRANSFERASE OF ARABIDOPSIS
TAE	Tris-acetate-EDTA
ta-	
siRNA	trans acting-small interfering ribonucleic acid
<i>TCP</i>	<i>TEOSINTE BRANCHED/CYCLOIDEA/PCF</i>
TE	Tris-EDTA
TIR1	Transport inhibitor response1
<i>TOE</i>	<i>TARGET OF EARLY ACTIVATION TAGGED1</i>
TPS	Terpene synthases
Tm	Melting temperature
TZ	Tetrazolium
U	Enzyme unit
UV	Ultraviolet
UVRP	Universal reverse primer

V	Volt
vp	viviparous
v/v	Volume by volume
vol	Volume
w/v	Weight by volume
Wt	Wild type
WUS	WUSCHEL
WOX	WUSCHEL RELATED HOMEBOX
X-Gluc	5-Bromo-4-chloro-3-indoxyl-beta-D-glucuronide
Zll	Zwille
α	Alpha
β -ME	β -Mercaptoethanol
μ m	Micrometer
μ M	Micromolar