

List of Abbreviations

CorA	C obalt R esistance
<i>MoALR2</i>	<i>M</i> agnaport <i>h</i> eoryzae A luminium R esistance
<i>MoMNR2</i>	<i>M</i> agnaport <i>h</i> eoryzae M anganese R esistance
<i>MoMRS2</i>	<i>M</i> agnaport <i>h</i> eoryzae M itochondrial R NA S plicing
BLAST	B asic L ocal A lignment S earch T ool
bp	B ase P air
kb	K ilo b ase
CTAB	C etyl T riethyl A mmonium B romide
dNTP	2'- d eoxynucleotide 5'- t riphosphate
dpi	D ays P ost I noculation
EDTA	E thylene D iamine T etra A cetic acid
ELISA	E nzyme L inked I mmuno S orbent A ssay
IPTG	I sopropyl β -D-1- t hiogalactopyranoside
PMSF	P henyl m ethylsulphonyl f luoride
X-Gal	5-bromo-4-chloro-3-indolyl- β -D-galactopyranoside
LB	L uria B ertani
YEPD	Y east E xtract P eptone D extrose
kDa	k ilo d alton
g	Gram
H ₂ O ₂	Hydrogen Peroxide
μ l	Microliter
ml	Milliliter
mg	Milligram
μ g	Microgram
ng	Nanogram
sec	Second(s)
min	Minute(s)
M	Molar
mM	Millimolar
μ M	Micromolar
rpm	R evolutions P er M inute

O.D.	O ptical D ensity
SD Media	S ynthetically D efined Media
PCR	P olymerase C hain R eaction
RNA	R ibonucleic acid
nm	Nanometer
TRITC	T etramethyl r hodamine I sothiocyanate
XRF	X -ray F luorescence
SDS	S odium D odecyl S ulphate
MIC	M inimum I nhibitory Concentration
OMA	O at M eal A gar
YEGA	Y east E xtract G lucose A gar
cAMP	C yclic A denosine M onophosphate
HEPES	N-(2- H ydroxy e thyl) p iperazine-N'-(2- e thanesulphonic acid)
MES	2-(N- m orpholino) e thanesulphonic acid
pH	p ower of h ydrogen
GFP	G reen F luorescence P rotein
Fisher's LSD	Fisher's L east S ignificant D ifference
ANOVA	A nalysis of V ariance