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ABBREVIATIONS AND SYMBOLS

etc.	=	Et cetera
g	=	Gram or gravity
N	=	Nitrogen
P	=	Phosphorus
K	=	Potassium
EDB	=	Endophytic diazotrophic bacteria
AMF	=	Arbuscular mycorrhizal fungi
%	=	Percent
µmol	=	Micromole
C_2H_2	=	Acetylene
hr	=	Hour
IAA	=	Indole acetic acid
ml	=	Milliliter
µg	=	Microgram
C. alismatifolia Gagnep.	=	*Curcuma alismatifolia* Gagnep.
^oC	=	Degree of Celsius

WAP	=	Weeks after planting
cm	=	Centimeter
MS medium	=	Murashige and Skoog medium
mg/L	=	Milligram per liter
BAP	=	Benzalamino puirine
L	=	Liter
e.g.	=	Exempli gratia (for example)
i.e.	=	Id est (it is or that is)
VAM	=	Vesicular arbuscular mycorrhiza
UV	=	Ultraviolet
PH	=	Potential of hydrogen ion
N_2	=	Dinitrogen
Mo	=	Molybdenum
Fe	=	Iiron
S	=	Sulphur
ATP	=	Adenosine triphosphate
Mg_2^+	=	Magnesium ion
ADP	=	Adenosine diphosphate

H^+	=	Hydrogen iron
N_2H_2	=	Diazene
N_2H_4	=	Hydrazine
NH_3	=	Ammonia
H_2O	=	Water
H_2	=	Hydrogen gas
^{15}N	=	Radioactive isotope of nitrogen
ABA	=	Acetylene reduction assays
λ	=	Lamda
C_2H_2	=	Ethylene
e^-	=	Electron
16S rDNA	=	16S ribosomal deoxyribonucleic acid
RNA	=	Ribonucleic acid
LSU	=	Large subunit
SSU	=	Small subunit
mRNA	=	Messenger ribonucleic acid
rRNA	=	Ribosomal ribonucleic acid
DNA	=	Deoxyribonucleic acid

ATPase	=	Adenosine triphosphate synthase
ITS	=	Intragenic transcribe spacer
IGS	=	Intergenic spacer
PCR	=	Polymerase chain reaction
Ca	=	Calcium
Mg	=	Magnesium
Cu	=	Cupper
Mn	=	Manganese
Zn	=	Zinc
ST	=	Saithong National Park
PH	=	Paa Hinngarm National Park
BL	=	Chiayaphoom province
DD	=	San Sai district farmers
YK	=	Yangkram subdistrict
PVLG	=	Polyvinyl alcohol-lactic acid-glycerol
cv.	=	Cultivar
MAP	=	Months after planting
CRD	=	Completely Randomized Design

USA	=	United State of America
LSD	=	Least significant difference
µl	=	Microliter
dH_2O	=	De-ionized water
sec	=	Seconds
™	=	Trademark
Min	=	Minute
V	=	Volt
rpm	=	Revolutions per minute
SOC medium	=	Super optimal broth medium
YT medium	=	Yeast extract and tryptone medium
µm	=	Micrometer
kb	=	Kilo base
ns	=	Not significantly different
mg	=	Milligram
KH_2PO_4	=	Potassium Dihydrogen Phosphate
K_2SO_4	=	Potassium sulfate
$MgSO_4.7H_2O$	=	Magnesium sulphate heptahydate

$CaCl_2.2H_2O$	=	Calcium Chloride Dihydrate
Fe-citrate	=	Lron-citrate
$MnSO_4.H_2O$	=	Manganese sulphate monohydrate
H_3BO_4	=	Boric acid
$ZnSO_4.7H_2O$	=	Zinc sulfate heptahydrate
$CuSO_4.5H_2O$	=	Copper sulphate pentahydrate
$CoSO_4.7H_2O$	=	Cobalt sulfate heptahydrate
$Na_2MoO_4.2H_2O$	=	Sodium molybdate dihydrate
SEM	=	Scanning electron microscopy
v/v	=	Volume in volume
w/v	=	Weight in volume
O_2O_4	=	Osmium tetroxide
kV	=	Kilovolt
nmole	=	Nanomole
nl	=	Nanoliter
cm^2	=	Square centimeter
RH	=	Relative humidity
pg	=	Pictogram

FW	=	Fresh weigh
DW	=	Dry weigh
kg/ha	=	Kilogram per hectare
yr	=	Year
K^+	=	Potassium ion
NO_3^-	=	Nitrate ion
nif gene	=	Nitrogen fixation gene
G	=	Guanine
C	=	Cytosine
T	=	Thymine
A	=	Adenine