

List of Abbreviations

6-PG	6-phosphogluconate
Ap	Ampicillin
ATP	Adenosine triphosphate
bp	base pair (s)
cAMP	Cyclic adenosine monophosphate
CS	Citrate synthase
CTAB	Cetyl trimethyl ammonium bromide
DCW	Dry cell weight
DNA	Deoxyribonucleic acid
DTT	1, 4-Dithiothreitol
ED /EDD	Entner-Doudoroff Pathway
EDA	KDPG Aldolase
EDTA	Ethylene diamine tetra acetic acid
EMP	Embden–Meyerhof–Parnas pathway
ETC	Electron transport chain
G-6-P	Glucose-6-phosphate
G-6-PDH	Glucose-6-phosphate dehydrogenase
GADH	Gluconate dehydrogenase
GDH	Glucose dehydrogenase
GFP	Green fluorescent protein
HPLC	High performance liquid chromatography
ICDH	Isocitrate dehydrogenase
ICL	Isocitrate lyase
kb	kilobase (s)
kDa	Kilodalton
KDPG	2-keto-3-deoxy-6-phosphogluconate
Km	Kanamycin
LDH	Lactate dehydrogenase
LB	Luria broth
MDH	Malate dehydrogenase
ME	Malic enzyme
mM/M	Millimolar/Molar
NAD(H)	Nicotinamide adenine dinucleotide (reduced)
NADP(H)	Nicotinamide adenine dinucleotide phosphate (reduced)
ng	Nanogram
nm	Nanometer
OAA	Oxaloacetate
OD	Optical Density
Ori	Origin
P/Pi	Phosphate / inorganic phosphate
PCR	Polymerase Chain Reaction
PDH	Pyruvate dehydrogenase

PEP	Phosphoenolpyruvate
PEPCK	Phosphoenolpyruvate carboxykinase
PFK	Phosphofructokinase
PGPR	Plant Growth Promoting Rhizobacteria
POX	Pyruvate oxidase
PPC	Phosphoenolpyruvate carboxylase
PPP	Pentose phosphate pathway
PQQ	Pyrolloquinoline quinine
PSM	Phosphate solubilizing microorganisms
PTS	Phosphotransferase system
PYC	Pyruvate carboxylase
PYK	Pyruvate kinase
rpm	Revolutions per minute
Str	Streptomycin
Tc	Tetracycline
TCA	Tricarboxylic acid
Tmp	Trimethoprim
Tris	Tris (hydroxymethyl) aminomethane buffer
TYE	Tryptone Yeast Extract
WT	Wild type
YEMB	Yeast Extract Mannitol Broth
µl/ml	Microlitres/milliliters

P/Pi	Phosphate / inorganic phosphate
Tmp	Trimethoprim
HPLC	High performance liquid chromatography
Str	Streptomycin
Km	Kanamycin
Ap	Ampicillin
Tc	Tetracycline
µl/ml	Microlitres/milliliters
mM/M	Millimolar/Molar
DCW	Dry cell weight
OD	Optical Density
rpm	Revolutions per minute
kDa	Kilodalton
bp	base pair (s)
kb	kilobase (s)
ng	Nanogram
nm	Nanometer
PGPR	Plant Growth Promoting Rhizobacteria
CTAB	Cetyl trimethyl ammonium bromide
PCR	Polymerase Chain Reaction
EDTA	Ethylene diamine tetra acetic acid
Tris	Tris (hydroxymethyl) aminomethane buffer
TYE	Tryptone Yeast Extract
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