

List of Abbreviations:

LB	Luria broth
Ori	Origin
WT	Wild type
PPC	Phosphoenolpyruvate carboxylase
CS	Citrate synthase
PYC	Pyruvate carboxylase
ICL	Isocitrate lyase
ICDH	Isocitrate dehydrogenase
GDH	Glucose dehydrogenase
G-6-PDH	Glucose-6-phosphate dehydrogenase
GADH	Gluconate dehydrogenase
PEPCK	Phosphoenolpyruvate carboxykinase
PYK	Pyruvate kinase
ME	Malic enzyme
MDH	Malate dehydrogenase
LDH	Lactate dehydrogenase
POX	Pyruvate oxidase
PDH	Pyruvate dehydrogenase
PFK	Phosphofructokinase
PTS	Phosphotransferase system
GFP	Green fluorescent protein
PQQ	Pyrolloquinoline quinine
G-6-P	Glucose-6-phosphate
6-PG	6-phosphogluconate
KDPG	2-keto-3-deoxy-6-phosphogluconate
EDA	KDPG Aldolase
PEP	Phosphoenolpyruvate
OAA	Oxaloacetate
ATP	Adenosine triphosphate
DNA	Deoxyribonucleic acid
cAMP	Cyclic adenosine monophosphate
NAD(H)	Nicotinamide adenine dinucleotide (reduced)
NADP(H)	Nicotinamide adenine dinucleotide phosphate (reduced)
DTT	1, 4-Dithiothreitol
EMP	Embden–Meyerhof–Parnas pathway
TCA	Tricarboxylic acid
PPP	Pentose phosphate pathway
ETC	Electron transport chain

ED /EDD	Entner-Doudoroff Pathway
PSM	Phosphate solubilizing microorganisms
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
YEMB	Yeast Extract Mannitol Broth