



List of Abbreviations:

X-Gal	5-Bromo-4-chloro-3-indolyl-β-D galactopyranoside
IPTG	Isopropyl β-D thio galactopyranoside
LB	Luria broth
SDS	Sodium Dodecyl Sulphate
kb	kilobase(s)
bp	base pair (s)
kDa	kilodalton
rpm	Revolutions per minute
OD	Optical Density
mM	millimolar
μl/ml	Microlitres / microlitres
Ori	Origin of replication
GDH	Glucose dehydrogenase
GAD	Gluconate dehydrogenase
EYFP	Enhanced fluorescent protein
PTS	Phosphoenolpyruvate:sugar phosphotransferase system
PQQ	Pyroloquinolino quinone
ATP	Adenosine triphosphate
DNA	Deoxyribonucleic acid
cAMP	Cyclic adenosine monophosphate
NAD(H)	Nicotinamide adenine dinucleotide (reduced)
NADP(H)	Nicotinamide adenine dinucleotide phosphate (reduced)
EMP	Embden–Meyerhof–Parnas pathway
TCA	Tricarboxylic acid
PPP	Pentose phosphate pathway
ETC	Electron transport chain
ED	Entner-Duodoroff
PSM	Phosphate solubilizing microorganisms
P/Pi	Phosphate / inorganic phosphate
HPLC	High performance liquid chromatography
BLAST	Basic local alignment search tool
PCR	Polymerase Chain Reaction
PAGE	Polyacrylamid Gel Electrophoresis
EDTA	Ethylene diamine tetra acetic acid
Tris	Tris (hydroxymethyl) aminomethane buffer
CTAB	Cetyl trimethylammonium bromide
PGPR	Plant Growth Promoting Rhizobacteria
RE	Restriction Endonuclease

Note: The full forms of several other minor abbreviations have been described within the text.