

List of Abbreviations

2-OG	2-Oxoglutarate
ATCC	American type culture collection
PCC	Pasteur culture collection
IPTG	Isopropyl β -D-thiogalactopyranoside
X-Gal	5-Bromo-4-chloro 3-indolyl β -D-galactopyranoside
Aa	Amino acid
Kb	Kilobase(s)
Bp/bp	Base pair(s)
KDa	Kilodalton
ORF	Open reading frame
FeMeco	Iron molybdenum cofactor
GS	Glutamine synthetase
GOGAT	Glutamine oxoglutarate amino transferase
PSI/II	Photosystem I/II
N ₂	Dinitrogen
NR	Nitrate reductase
NiR	Nitrite reductase
NO ₃	Nitrate
NO ₂	Nitrite
AMP	Adenosine monophosphate
ATP	Adenosine triphosphate
α -KG	α -ketoglutarate
CRP	Cyclic AMP receptor protein
GFP	Green fluorescent protein
σ 70/ σ 54	Sigma subunit of RNA polymerase
CFU	Colony forming units
ONPG	Ortho nitro phenylgalactoside
HU	Histone like protein
Arg	Arginine
Leu	Leucine
Amp	Ampicillin
Tet	Tetracyclin
RPM	Rotation per minute
PEI	Polyethene imine
OD	Optical density