



List of Abbreviations used:

Amp	Ampicillin
APS	Ammonium persulfate
ARC	Aerobic Respiratory Control
ATP	Adenosine triphosphate
BLAST	Basic local alignment search tool
bp	base pair (s)
CCl ₄	Carbon tetra chloride
CTAB	Cetyl trimethylammonium bromide
DGGE	Denaturing Gradient Gel Electrophoresis
DNA	Deoxyribonucleic acid
DTT	1, 4-Dithiothreitol
EcN	<i>E. coli</i> Nissle 1917
ED	Entner-Doudoroff
EDTA	Ethylene diamine tetra acetic acid
FNR	Fumarate Nitrate Reductase
FOS	Fructose Oligosaccharide
GFP	Green fluorescent protein
GI	Gastrointestinal Tract
GM	Genetically Manipulated
HDL	High Density Lipoprotein
IFN	Interferon Y
IL	Interleukin
inuJ	Inulosucrase
IPTG	Isopropyl β -D thio galactopyranoside
kb	kilobase (s)
kDa	Kilodalton
LAB	Lactic acid Bacteria
LB	Luria broth
LDL	Low Density Lipoprotein
LPS	Lipopolysaccharide
MDL	Malondialdehyde
mM/M	Millimolar/Molar
ng	Nanogram
nm	Nanometer
OD	Optical Density
OGTT	Oral Glucose Tolerance Test
Ori	Origin of replication
PAGE	Polyacrylamide Gel Electrophoresis
PBS	Phosphate Buffer Saline
PCR	Polymerase Chain Reaction
RE	Restriction Endonuclease
rpm	Revolutions per minute
SDS	Sodium Dodecyl Sulphate

SGOT	Serum Glutamic Oxaloacetic Transaminase
SGPT	Serum Glutamic Pyruvate Transaminase
Str	Streptomycin
TG	Tiglyceride
Tris	Tris (hydroxymethyl) aminomethane buffer
VHb	<i>Vitreoscilla</i> haemoglobin
VLDL	Very Low Density Lipoprotein
WHO	World Health Organization
WT	Wild type
X-Gal	5-Bromo-4-chloro-3-indolyl- β -D galactopyranoside
μ l/ml	Microlitres/millilitres
μ g	Microgram

Note: The full forms of several rarely used abbreviations have been described within the text.