

7. APPENDIX

Abbreviations

16S	Ribosomal RNA chain from the small subunit
30S	Small ribosomal subunit from prokaryotic ribosome
50S	Large ribosomal subunit from prokaryotic ribosome
70S	Prokaryotic ribosome
ADP	Adenosine 5'-diphosphate
APS	Ammoniumperoxodisulfat
ATP	Adenosine 5'-triphosphate
BSA	Bovine Serum Albumine
Da	Daltons
DEAE	Diethyl-amino-ethyl
DNA	Deoxyribonucleic acid
dNTP	Deoxyribonucleotide-triphosphate
DTE	Dithioerythritol
DTT	Dithiothritol
EDTA	Ethilenedinitrilo tetraacetic acid
FPLC	Fast Protein Liquid Chromatography
GDP	Guanosine 5'diphosphate
GTP	Guanosine 5'triphosphate
Hepes	4-(2-hydroxyethyl)-piperazin-1-ethansulfonic acid
IgG	Immunoglobuline G
IP TG	Isopropyl-β-D-thiogalactopyranoside
MPD	Methyl-pentan-diol
NMR	Nuclear Magnetic Resonance
OD	Optical density
PAGE	Polyacrylamide Gel Electrophoresis
PCR	Polymerase Chain Reaction
PMSF	Phenylmethylsulfonilfluoride
RNA	Ribonucleic Acid
S	Svedberg coefficient (sedimentation coefficient)
SD	Shine-Dalgarno
SDS	Sodium Dodecilsulfate
T30S	<i>Thermus thermophilus</i> small ribosomal subunit
T70S	<i>Thermus thermophilus</i> ribosome
TAMM	Tetrakis-acetoxi-mercury-methane
TEMED	N,N,N',N'-Tetramethylethylendiamine
Tris	Tris(hydroxymethyl)aminomethane
Tween20	Polyoxyethylensorbitan-monolaurate
U	Units of enzymatic activity
UV	Ultra Violet
W18	[K ₆ (P ₂ W ₁₈)O ₆₂].14H ₂ O (heteropolytungstate cluster)

Abbreviations for the nucleotides

A	Adenosine
C	Cytosine
G	Guanosine
T	Thymine
U	Uridine

Abbreviation for the amino acids

Ala, A	Alanine
Arg, R	Arginine
Asn, N	Asparagine
Asp, D	Aspartic acid
Cys, C	Cysteine
Glu, E	Glutamic acid
Gln, Q	Glutamine
Gly, G	Glycine
His, H	Histidine
Ile, I	Isoleucine
Leu, L	Leucine
Lys, K	Lysine
Met, M	Methionine
Phe, F	Phenylalanine
Pro, P	Proline
Ser, S	Serine
Thr, T	Threonine
Trp, W	Tryptophan
Tyr, Y	Tyrosine
Val, V	Valine