

List of Abbreviations

(p)ppGpp ⁰ - mutant deficient in production of (p)ppGpp.	λHE - lambda <i>HindIII/EcoRI</i> marker
3-AT – 3-amino 1, 2, 4- triazole	σ ³² - Sigma H, the heat shock sigma factor
ADP - Adenosine Diphosphate	σ ⁵⁴ - Sigma N, the sigma factor controlling nitrogen
AMP - Adenosine Monophosphate	σ ⁷⁰ - Sigma 70, the housekeeping sigma factor
ATP - Adenosine Triphosphate	σ ^s - Sigma S, the stationary phase sigma factor
bp Base pair	σ ²⁴ - Sigma E, the minor factor
CAM - chloramphenicol	UTR – Untranslated region
DNA - Deoxyribonucleic acid	cAMP - Cyclic Adenosine Monophosphate
E σ ⁷⁰ - σ ⁷⁰ -programmed RNAP	CRP - cAMP Receptor Protein
EtBr - Ethidium Bromide	
GDP - Guanosine diphosphate	
GMP - Guanosine monophosphate	
GTP - Guanosine tetraphosphate	
HRP - horseradish peroxidase	
kb - Kilobases	
kDa - Kilo Dalton	
LB - Luria Broth	
MB - Minimal Broth	
MIC - Minimal Inhibitory Concentration	
mRNA - Messenger RNA	
MW - Molecular Weight	
NTP - Nucleoside triphosphates	
OD - Optical Density	
ORF - Open Reading Frame, coding sequence of a gene	
ppGpp - Guanosine 3',5'- bispyrophosphate	
pppGpp - Guanosine 3'-diphosphate 5'-triphosphate	
RNA- Ribonucleic acid	
RNAP - RNA polymerase (α2ββ'ω-subunits)	
rRNA- Ribosomal RNA	
Rsh - RelA and SpoT homologues	
SeOH - Serine hydroxamate	
SMG - Serine, Methionine, Glycine	
tRNA - Transfer RNA	
λH - lambda <i>HindIII</i> marker	
