

Appendix A – Lists of Abbreviations

A	Adenine
A ₁	Adenine at the first position of triplet codon
A ₂	Adenine at the second position of triplet codon
A ₃	Adenine at the third position of triplet codon
AG	Adenine guanine
AT	Adenine thymine
Ala	Alanine
Arg	Arginine
Asn	Asparagine
Asp	Aspartate
bp	Base pairs
C	Cytosine
cds	Coding sequences
C ₁	Cytosine at the first position of triplet codon
C ₂	Cytosine at the second position of triplet codon
C ₃	Cytosine at the third position of triplet codon
CUB	Codon Usage Bias
CAI	Codon Adaptation Index
Cys	Cysteine
ENC	Effective Number of Codons
Fop	Frequency of optimal codons
G	Guanine
G ₁	Guanine at the first position of triplet codon
G ₂	Guanine at the second position of triplet codon
G ₃	Guanine at the third position of triplet codon
GC	Guanine cytosine
Gln	Glutamine
Glu	Glutamate
Gly	Glycine
His	Histidine
Ile	Isoleucine
NCBI	National Centre for Biotechnology Information
Phe	Phenylalanine
Pro	Proline
RSCU	Relative Synonymous Codon Usage
Ser	Serine
T	Thymine
T ₁	Thymine at the first position of triplet codon
T ₂	Thymine at the second position of triplet codon
T ₃	Thymine at the third position of triplet codon
Thr	Threonine
Tyr	Tyrosine
Val	Valine