

APPENDIX A

Lists of Abbreviations

Abbreviation	Meaning Full Form
A	Adenine
A1	Adenine at the first position of triplet codon
A2	Adenine at the second position of triplet codon
A3	Adenine at the third position of triplet codon
AG	Adenine guanine
AT	Adenine thymine
Ala	Alanine
Arg	Arginine
Aroma	Aromaticity
Asn	Asparagine
Asp	Aspartate
C	Cytosine
CA	Correspondence Analysis
cds	Coding sequence
C1	Cytosine at the first position of triplet codon
C2	Cytosine at the second position of triplet codon
C3	Cytosine at the third position of triplet codon
CUB	Codon Usage Bias
CAI	Codon Adaptation Index
Cys	Cysteine
Fop	Frequency of optimal codons
G	Guanine
G1	Guanine at the first position of triplet codon
G2	Guanine at the second position of triplet codon
G3	Guanine at the third position of triplet codon
GC	Guanine + cytosine
Gln	Glutamine
Glu	Glutamate
Gly	Glycine
Gravy	Grand Average of Hydropathy index
HA	Hemagglutinin

Lists of Abbreviations *contd.*

Abbreviation	Meaning / Full Form
IAV	Influenza A virus
Ile	Isoleucine
M1	Matrix protein 1
M2	Matrix protein 2
MELP	MILC-based Expression Measure
MILC	Measure Independent of Length and Composition
Nc	Effective Number of Codons
NCBI	National Centre for Biotechnology Information
NP	Nucleocapsid
PA	Polymerase acidic protein
PB1	Polymerase basic protein 1
PB2	Polymerase basic protein 2
Phe	Phenylalanine
PR2	Parity Rule 2
Pro	Proline
RSCU	Relative Synonymous Codon Usage
Ser	Serine
T	Thymine
T1	Thymine at the first position of triplet codon
T2	Thymine at the second position of triplet codon
T3	Thymine at the third position of triplet codon
Thr	Threonine
Tyr	Tyrosine
Val	Valine