

## ABBREVIATIONS USED

<b>AFLP</b>	Amplified fragment length polymorphism
<b><math>\alpha</math>-2 M</b>	Alpha-2 macroglobulin
<b>BHI</b>	Brain Heart infusion
<b>blastn</b>	Nucleotide blast
<b>BLASTP</b>	Protein blast
<b>C3</b>	Complement -C3
<b>cDNA</b>	Complementary Deoxyribonucleic acid
<b>D.O</b>	Dissolved oxygen
<b>dNTPs</b>	Deoxyribonucleotide triphosphate
<b>EDTA</b>	Ethylene diamine tetra acetic acid
<b>EMB</b>	Eosin methylene blue
<b>EtBr</b>	Ethidium bromide
<b>gDNA</b>	Genomic Deoxyribonucleic acid
<b>Hpi</b>	Hours post infection
<b>IL-1<math>\beta</math></b>	Interleukin- 1 beta
<b>IL6</b>	Interleukin- 6
<b>IMCs</b>	Indian Major Carps
<b>ISR</b>	Intergenic spacer region
<b>LD<sub>50</sub></b>	Lethal Dose, 50%

<b>MAR</b>	Multiple antibiotic resistance
<b>Mha</b>	Million hectare
<b>MLST</b>	Multilocus sequence typing
<b>MPO</b>	Myeloperoxidase activity
<b>MT</b>	Million tones
<b>MW</b>	Molecular weight
<b>NA</b>	Nutrient agar
<b>NBT</b>	Nitro Blue Tetrazolium
<b>NCBI</b>	National Center for Biotechnology Information
<b>OD</b>	Optical Density
<b>ORF</b>	Open reading frame
<b>PBS</b>	Phosphate-buffered saline
<b>PCR</b>	Polymerase chain reaction
<b>qPCR</b>	Quantitative PCR
<b>RBC</b>	Red blood cells
<b>RFLP</b>	Restriction fragment length polymorphism
<b>RNA</b>	Ribonucleic acid
<b>TAE</b>	Tris-acetate EDTA buffer
<b>TDW</b>	Triple distilled water
<b>TE</b>	Tris-EDTA
<b>TSA</b>	Tryptic soya agar