

## Abbreviations

°C	Degree Celsius
hrs	Hours
ml	Milliliter
%	Percentage
rpm	Revolutions Per Minute
μl	Microliter
mg	Microgram
U	Unit
mM	Millimole
bp	Base Pair
nm	Nanometer
1-D	One Dimension
W/V	Weight/Volume
V	Volume
kDa	Kilodalton
MW	Molecular Weight
OD	Optical Density
CFU	Colony-Forming Unit
mm	Millimeter
LD <sub>50</sub>	Lethal Dose 50
NBF	Neutral Buffered Formalin
PBS	Phosphate-Buffer Saline
TSB	Tryptic Soy Broth
APW	Alkaline Peptone Water
ONPG	Ortho-Nitrophenyl-B-Galactoside
NBF	Neutral Buffered Formalin
SPB	Salt Polymyxin Broth
GTSB	Glucose Teepol Salt Broth
TCBS	Thiosulfate Citrate Bile Salts Sucrose
NS	Normal Saline
RBC	Red Blood Cell
TTSS1	Type III Secretion System 1
TTSS2	Type III Secretion System 2
AHPND	Acute Hepatopancreatic Necrosis Disease
HEK	Human Embryonic Kidney
T3SS6	Type III Secretion System 6
NF-kB	Nuclear Factor Kappa B
tlh	Thermolabile Hemolysin
IL	Interleukin
TNF	Tumor Necrosis Factor
LPS	Lipopolysaccharides
NK	Natural Killer Cells
TDH	Thermostable Direct Hemolysin

TRH	Thermostable Direct Hemolysin - Related Hemolysin
RNA	Ribonucleic Acid
DNA	Deoxyribonucleic Acid
cDNA	Complementary DNA
C3	Complement Component 3
TLR22	Toll-Like Receptor 22
MyD88	Myeloid Differentiation Primary Response 88
NBT	Nitro-Blue Tetrazolium
Ca <sup>+2</sup>	Calcium Ion
Mg <sup>+2</sup>	Magnesium Ion
H <sub>2</sub> O <sub>2</sub>	Hydrogen Peroxide
Tris HCl	Tris (Hydroxymethyl) Aminomethane (THAM) Hydrochloride
CaCl <sub>2</sub>	Calcium Chloride
H <sub>2</sub> O	Water
NaCl	Sodium Chloride
KCl	Potassium Chloride
Na <sub>2</sub> HPO <sub>4</sub>	Disodium Hydrogen Phosphate
KH <sub>2</sub> PO <sub>4</sub>	Potassium Dihydrogen Phosphate
CBB	Coomassie Brilliant Blue
HOCl	Hypochlorous Acid
EtBr	Ethidium Bromide
AO	Acridine Orange
SDS-PAGE	Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis
NCBI	National Center For Biotechnology Information
BLAST	Basic Local Alignment Search Tool
MUSCLE	Multiple Sequence Comparison By Log-Expectation
3D	3-Dimension
PDB	Protein Data Bank
RMSD	Root-Mean-Square Deviation
DOPE	Discrete Optimized Protein Energy
TM	Transmembrane
CDS	Coding Sequences
RMSF	Root Mean Square Fluctuations
PCR	Polymerase Chain Reaction
BSA	Bovine Serum Albumin
2D	2- Dimension
IEF	Isoelectric focusing
IPG	Immobilized pH gradient
DTT	Dithiothreitol
MALDI	Matrix-Assisted Laser Desorption/Ionization
MS	Mass Spectrometry