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#### LIST OF ABBREVIATIONS

AD Arginine deiminase

ATP Adenosine triphosphate

BBB Blood brain barrier

BHI Brain heart infusion

BLAST Basic Local Alignment Search Tool

bp Base pair

CFU/ml Colony-forming units per milliliter

CNS Central nervous system

CPS Capsular polysaccharide

CSF Cerebrospinal fluid

2-DE Two-dimensional gel electrophoresis

DNA Deoxyribonucleic acid

DNase Deoxyribonuclease

dNTPs Deoxynucleoside triphosphates

DTT Dithiothreitol

ECM Extracellular matrix

EDTA Ethylenediaminetetraacetic acid

EF Extracellular protein factor

e.g. For example

ESI Electrospray Ionisation

et al. And others

FA TriFluoroacetic acid

Fbps Fibronectin binding proteins

g Gram(s)

GAPDH Glyceraldehyde-3-phosphate dehydrogenase

h Hour(s)

HCl Hydrochloric acid

IAA Iodoacetamide

IgA Immunoglobulin A

KCl Potassium chloride

L Liter(s)

LC Liquid chromatography

M Molar

MALDI Matrix-assisted laser desorption ionization

mg Miligram
min minute

ml Milliliter

MLST Multilocus sequence typing

mM Milimolar

MRP Muramidase released protein

MS Mass spectrometry

MT-PCR Multiplex PCR

MW Molecular weight

m/z Mass to charge ratios

NaCl Sodium chloride

ng Nanogram
nm Nanometer
nM Nanomolar
No. Number

OD Optical density

PAGE Polyacrylamide gel electrophoresis

PBS Phosphate buffered saline

PCR Polymerase chain reaction

6-PGD 6-Phosphogluconate-dehydrogenase

rpm Revolutions per minute
SDS Sodium Dodecyl Sulfate

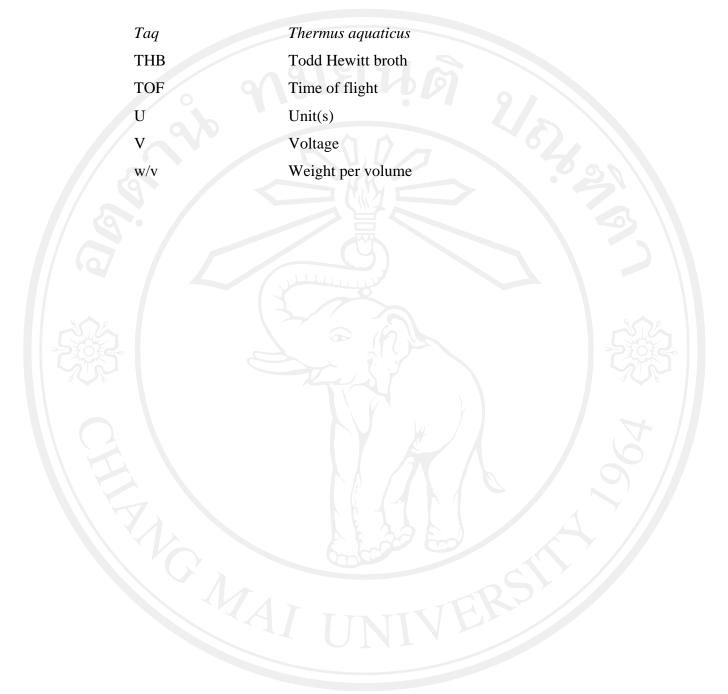
sec Second

SIPs Surface interacting proteins

SLY Suilysin

SPF Specific pathogen free

STSS Streptococcal toxic shock syndrome



#### LIST OF SYMBOLS

α	Alpha
β	Beta
°C	Degree Celsius
μ	Micro
μg	Microgram
μl	Microliter
μΜ	Micromolar
%	Percent