

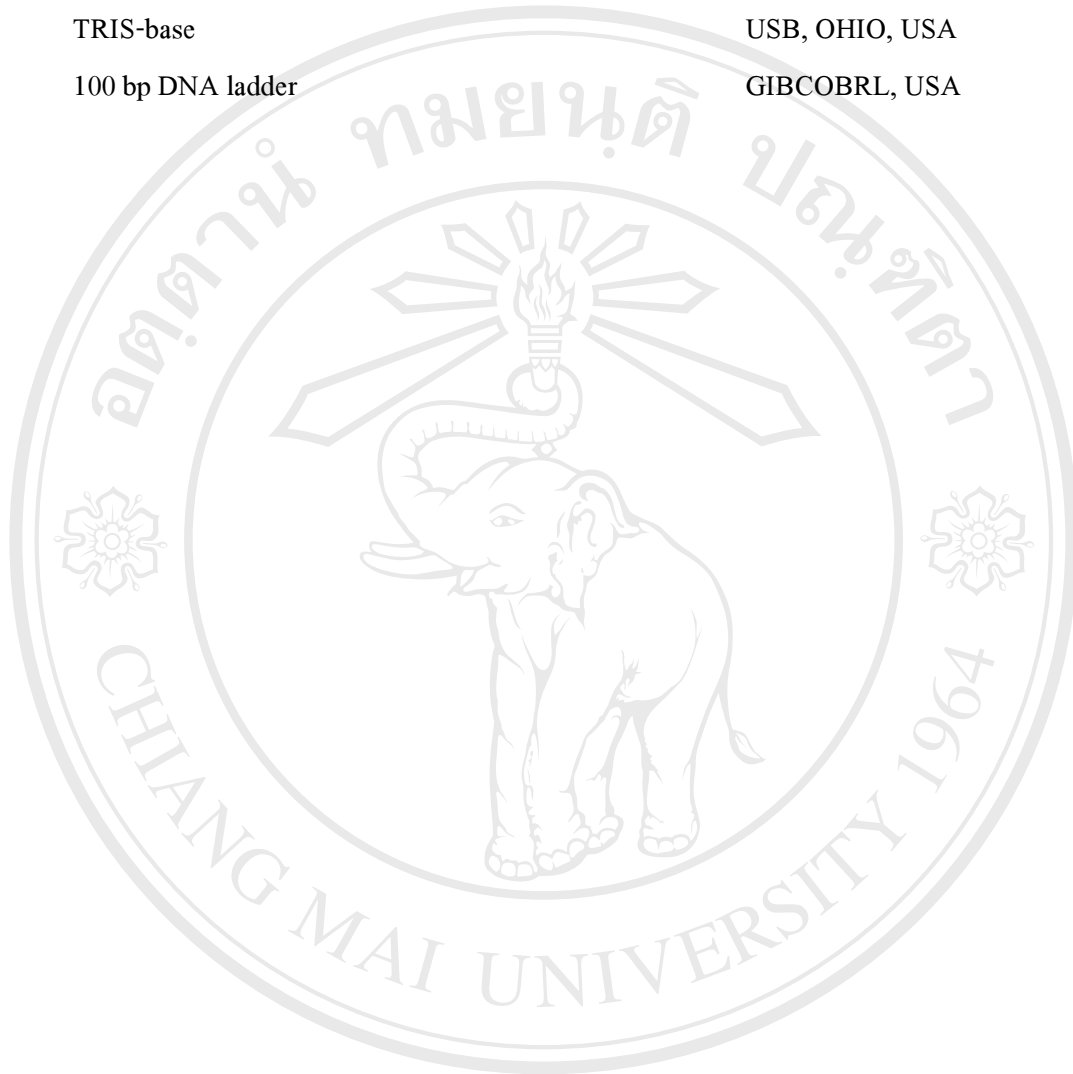
## APPENDIX

### Appendix A

#### List of chemical and materials were used in the study

Chemicals and materials	Source
Absolute ethanol	BDH, England
Acrylamide	Sigma-Aldrich chemical Co.,USA
Agarose	PRONA, E.U.
Ammonium persulfate	BDH, England
Boric acid	E. Merk, Germany
BigDye® Terminator Cycle Sequencing Kit	Perkin Elmer Co., NJ, USA
<i>Bst</i> NI restriction enzyme	GIBCOBRL, USA
Deoxynucleoside triphosphate (dNTPs)	Promega, Medison WI, USA
Ethylenediaminetetra-acetic acid	BDH, England
Ethidium bromide	AMERESCO, USA
<i>Hae</i> III restriction enzyme	GIBCOBRL, USA
Low melting temperature agarose gel	Sigma-Aldrich chemical Co.,USA
Nucleic Acid Sample Loading Buffer	BIO-RAD, England
N, N'-methylenebisacrylamide	Sigma-Aldrich chemical Co.,USA
Oligonucleotide primers	BIO-RAD, England
Proteinase K	USB, OHIO, USA
QAIquick gel extraction purification kit	QAIGEN, GmbH, Germany
Sodium chloride	BDH, England
Sodium dodecyl sulfate	Sigma-Aldrich chemical Co., USA
<i>Taq</i> DNA polymerase	Promega, Medison WI, USA
- 25 mM Magnesium chloride (Supplied with <i>Taq</i> DNA polymerase)	
- 10X Buffer, Magnesium free (Supplied with <i>Taq</i> DNA polymerase)	

TEMED (N, N, N', N'-tetramethylethylenediamine)	Fluka, Switzerland
Template suppression reagent	Perkin Elmer Co., NJ, USA
TRIS-base	USB, OHIO, USA
100 bp DNA ladder	GIBCOBRL, USA



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## Appendix B

### List of instruments were used in the study

<b>Instrument / Model</b>	<b>Source</b>
ABI Prism 310 Genetic Analyzer	Perkin Elmer Co., NJ, USA
Autoclave	Tony autoclave SS-240
Automatic pipette	GIBCOBRL, USA
Balance	Precisa
Centrifuge	Hettich
Centrifuge 5402	Eppendorf, Germany
High speed microcentrifuge BIO 101	Sigma 202 MC
Shaker water bath	LAB-LINE Instrument inc., USA
Mastercycle gradient thermal cycler	Eppendorf, Germany
Φ34 pH meter	Beckman, USA
UV detector-Gel Doc 100	Bio-Rad Lab., USA
UV-Vis spectrophotometer-UV1200	Shimadzu Co., Japan
UV-Vis spectrophotometer-UV1200	Shimadzu Co., Japan
Model Mighty Small II SE250/SE260 (Hoefer)	Amersham Biosciences, USA
Mini-PROTEAN® II 2-D Cell	Bio-Rad Lab., USA
Vertex	Scientific industries

### Appendix C

#### List of solutions and buffers were used in the study

##### Red cell lysis buffer

1.0 M Tris (pH 7.6)	5	ml
1.0 M MgCl <sub>2</sub>	2.5	ml
5.0 M NaCl	1	ml
Distilled water to be	500	ml
Sterized by autoclaving and store at 4°C		

##### Nuclei lysis buffer

1.0 M Tris (pH 8.0)	12.5	ml
0.5 M EDTA (pH 8.0)	0.5	ml
5.0 M NaCl	5	ml
Distilled water to be	500	ml
Sterized by autoclaving and store at room temperature		

##### 10% Sodium dodecyl sulphate (pH 7.2)

Sodium dodecyl sulphate	100	g
Distilled water	1000	ml
Sterized by autoclaving and store at room temperature		

##### Proteinase K solution

Proteinase K	1	g
0.5 M EDTA (pH 8.0)	0.4	ml
10% SDS	1	ml
Sterized distilled water to be	100	ml
Dispense into aliquots and store at -20°C		

**Tris-EDTA (TE) buffer**

1.0 M Tris (pH 8.0)	5	ml
0.5 M EDTA (pH 8.0)	100	μl
Distilled water to be	500	ml
Sterized by autoclaving and store at room temperature		

**5X Tris-Borate-EDTA (TBE) buffer**

Tris base	54.0	g
Boric acid	27.5	g
0.5 M EDTA (pH 8.0)	20	ml
Distilled water to be	1000	ml
Sterized by autoclaving and store at room temperature		

## CURRICULUM VITAE

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