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## APPENDICS

## APPENDIX A

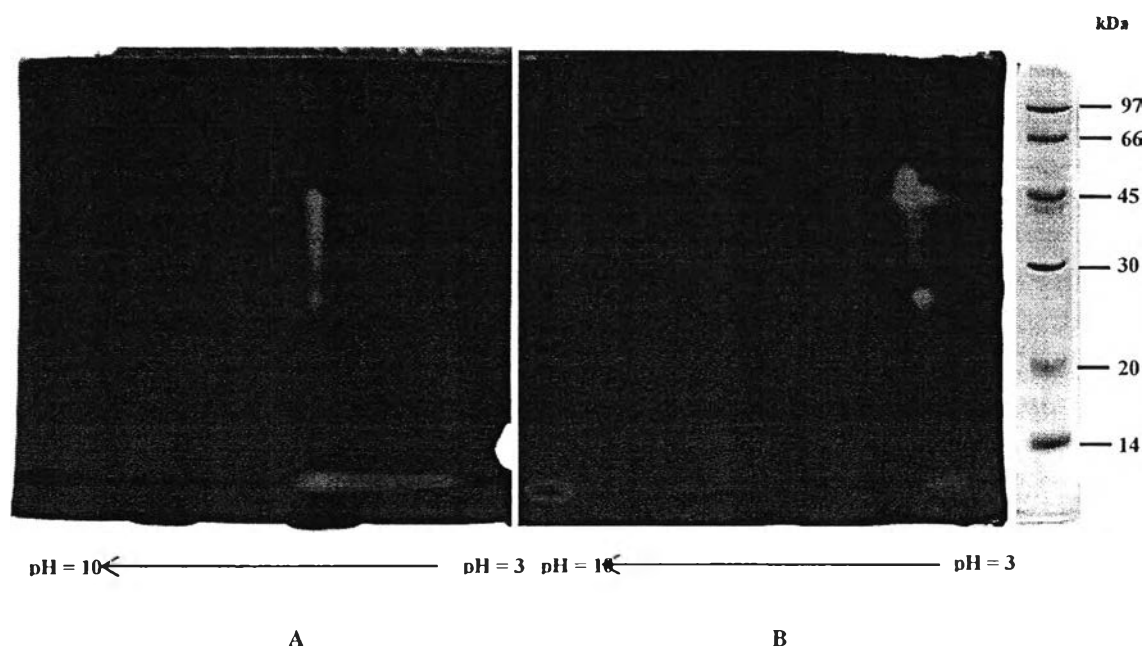


Figure 1 A 2D-GE of the crude protein extract (25  $\mu$ g) from *S. tuberosa*, where the IEF first dimension was performed at either (A) 200 kVh or (B) 1200 kVh.

## APPENDIX B

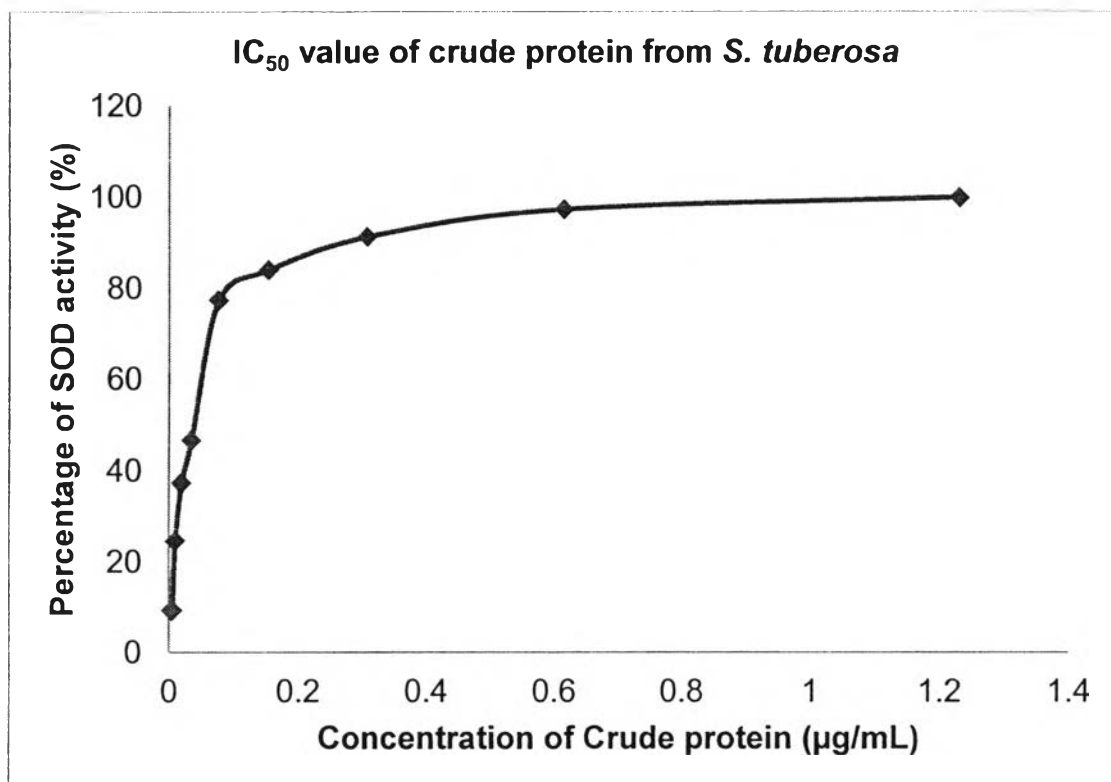


Figure 1 B IC<sub>50</sub> value of crude protein from *S. tuberosa*

## APPENDIX C

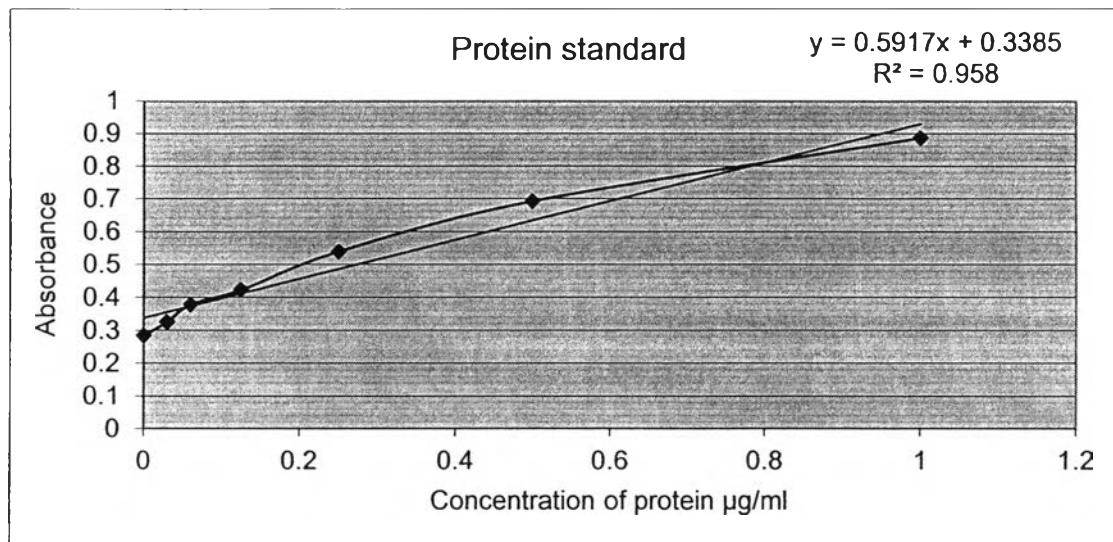


Figure 1 C The protein standard by Bradford assay

APPENDIX D

```

Tue May 10, 2011 11:40 *0600
low ERM from 1 to 309
Alignment to
low ERM(1) from 1 to 251

InitCont: 1.209
InitCont: 1.21
Input: 174
NumCont: 1.0

1  CCCTATGC-DCGCGCG-***-DGCAGTGTCCCTTTACTCCAGGAATTCGGTACCCCGGGTTC-AAAATCGA-TCAGCTTGGATCGGAGATATCCCAAC 93
1  TCCAATGCAGACCGCCCGCTTADGC-G---CGCCTGACTTAAGCAATTCGTTAGCCCGGGTTCGAAA-TCAATTC-CCTTGGATCCCGAG--ATCCCGCC 92

94  GCGT-TGC-----AT--G-CCTAICTTGASTATTC-TA-TAGTC--TCACCCCTTTAADCITCCCGCTCATGTTTCATAGCTGTTCGCTGTGAGATTGT 181
93  ACCTCGGCCCGCATTCCCTTATAATGAG---TCGTATTAG-CATTCATCCTT---GC--C---GCCTCATCGTCATTGCTGTTCCTGTGAGATTGT 181

182  TATCCGCTCACAATTCACACAACATACTATCCCGAAGCTTAATATCTCAAGCCCTCCGCTCCCTAATGAATGATCTCAACCGCTTGGATATCTCCGCAT 201
181  TATCCGCTCACAATTCACACAACATACTATCCCGAAGCTTAATATCTCAAGCCCTCCGCTCCCTAATGAATGATCTCAACCGCTTGGATATCTCCGCAT 201

202  TATCCGCTCACAATTCACACAACATACTATCCCGAAGCTTAATATCTCAAGCCCTCCGCTCCCTAATGAATGATCTCAACCGCTTGGATATCTCCGCAT 201
219  CCG-----TTTT---A-----GGT---AT-----CAG---TG--GC---C--CG-A-----CCCAA-----A---TC-T----- 251
    
```

Figure 1 D The partial nucleotide sequencing of SOD from *S. tuberosa* (70 bp)





## VITA

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## PUBLICATIONS

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