

## ABBREVIATIONS AND SYMBOLS

$\gamma$	gamma
$\lambda$	lambda
$\mu$	micro
$^{\circ}\text{C}$	Degree centigrade
<b>Abs.</b>	Absorbance
<b>APS</b>	Ammonium per Sulfate
<b><math>\beta</math> Me</b>	$\beta$ Mercaptaethanol
<b>CaBP</b>	Calcium Binding Protein
<b>Cam</b>	Calmodulin
<b>CCP4</b>	Collaborative Computational Project 4
<b>CNS</b>	Crystallography and NMR system
<b>Conc.</b>	Concentration
<b>Cys</b>	Cysteine
<b>CS</b>	Cysteine Synthase
<b>DEAE</b>	Di Ethyl Amino Ethyl
<b>DTNB</b>	5, 5'-dithiobis-(2-nitrobenzoic acid)
<b>DTT</b>	Dithiothreitol
<b>EDTA</b>	Ethylene diamine tetraacetate
<b>EGTA</b>	Ethylene Glycol Tetraacetic Acid
<b>EhCaBP</b>	<i>Entamoeba histolytica</i> Calcium Binding Protein
<b>EhCS</b>	<i>Entamoeba histolytica</i> Cysteine Synthase
<b>EhOASS</b>	<i>Entamoeba histolytica</i> O-acetylserine
<b>kDa</b>	Kilo Dalton
<b>LB</b>	Luria broth
<b>M</b>	Marker
<b>Meth</b>	Methionine
<b>MPD</b>	Methyl Pentanediol
<b>mM</b>	Milli molar

<b>Mg</b>	Magnesium
<b>mg</b>	Milligram
<b>min</b>	Minute
<b>mM</b>	Milli molar
<b>ml</b>	Milli liter
<b>NaOH</b>	Sodium hydroxide
<b>Nine EhCaBPs</b>	EhCaBP1, EhCaBP2, EhCaBP3, EhCaBP4, EhCaBP5, EhCaBP6, EhCaBP7, EhCaBP9, EhCaBP10
<b>nm</b>	Nanometer
<b>OAS</b>	O- acetyl- L- Serine
<b>OD.</b>	Optical Density
<b>PAGE</b>	Polyacrylamide Gel Electrophoresis
<b>PDB</b>	Protein Data Bank
<b>PEG</b>	Polyethylene Glycol
<b>PMSF</b>	Phenyl Methyl sulphonyl flouride
<b>PLP</b>	Pyridoxal Phosphate
<b>rpm</b>	Revolutions per minute
<b>SAT</b>	Serine O-acetyltransferase
<b>SDS</b>	Sodium Dodecyl Sulfate
<b>Sec</b>	Second
<b>Seven EhCaBPs</b>	EhCaBP3, EhCaBP4, EhCaBP5, EhCaBP6, EhCaBP7, EhCaBP9, EhCaBP10
<b>T<sub>10</sub>E<sub>1</sub></b>	Tris-EDTA
<b>TEMED</b>	N,N,N',N'-Tetramethylethylenediamine
<b>TNB</b>	2-nitro-5-thiobenzoic acid
<b>Tris</b>	Tris (hydroxymethyl) amino ethane
<b>U</b>	Unit
<b>v/v</b>	volume/volume
<b>W</b>	Watt
<b>w/v</b>	weight/volume