

List of Tables

Chapter 2: Cloning, Purification and Structural Characterization of Four Domains of Ubiquitin Activating Enzyme E1

Table 2.1. Primer sequences used to amplify domains of E1	51
--	-----------

Table 2.2. Values of the secondary structure obtained from CD spectra analysis done by Bestsel and secondary structure prediction software PSIPRED shown in percentages	69
--	-----------

Chapter 3: Cloning and Functional Characterization of Four Domains of Ubiquitin Activating Enzyme E1

Table 3.1. Primer sequences used to clone domains of E1 in Yep96 vector	83
--	-----------

Table 3.2. Determination of doubling time of MHY501 cells transformed with domains 4HB, FCCH, SCCH, UFD in absence and presence of inducer CuSO₄.	92
---	-----------

Chapter 4: Structural and Functional Studies on β -bulge Mutants of Ubiquitin

Table 4.1. Percentage frequencies of occurrence of amino acids at first, second and X-position of β-bulge (Chan et al., 1993).	99
--	-----------

Table 4.2. Components of Ubiquitin Activation by E1 Assay	106
--	------------

Table 4.3. Buffer composition used to check the effect of different pHs on ubiquitin β-bulge mutants. (Buffers were prepared and adjusted to required pH).	108
--	------------