

## List of Tables

<b>TABLE</b>	<b>Page no.</b>
Table 4.1: Quantification & Purity of Genomic DNA	42
Table 4.2: Sequence length, Description & Accession no	42-43
Table 4.3: Blast Result	43
Table 4.4: Proximate analysis	44
Table 4.5: Amino acid content (Standard)	46
Table 4.6: Amino acid content (non standard)	47
Table 4.7: Fatty acid content	50-52
Table 4.8: Mineral content	52
Table 4.9: Radical scavenging activity	58
Table 4.10: CFU & Microbial inhibition by standard antibiotics	59
Table 4.11: Antimicrobial activity; <i>Volvariella volvacea</i>	59
Table 4.12: Antimicrobial activity; <i>Termitomyces heimii</i>	59-60
Table 4.13: Antimicrobial activity; <i>Lentinus sajor-caju</i>	60-61
Table 4.14: Antimicrobial activity; <i>Chlorophyllum hortense</i>	61
Table 4.15: Antimicrobial activity; <i>Cantharellus subamethysteus</i>	61-62
Table 4.16: Bioactive compounds from <i>Volvariella volvacea</i>	68-69
Table 4.17: Bioactive compounds from <i>Termitomyces heimii</i>	69-71
Table 4.18: Bioactive compounds from <i>Lentinus sajor-caju</i>	71-73
Table 4.19: Bioactive compounds from <i>Chlorophyllum hortense</i>	73-74
Table 4.20: Bioactive compounds from <i>Cantharellus subamethysteus</i>	74-75
Table 4.21: ADME	80-83
Table 4.22: Docking score of ligands; Bacterial efflux pump	84
Table 4.23: Docking score of ligands; Topoisomerase ATPase inhibitor	84
Table 4.24: Docking score of ligands; Penicillin Binding Protein	85
Table 4.25: Docking score of ligands; Isoleucyl-tRNA synthetase	85

Table 4.26: Docking score of ligands; Dihydropteroate synthase 86

Table 4.27: Docking score; D-Alanine: D-Alanine ligase 86