

LIST OF TABLES

Table 1. 1 Health beneficial functions of intestinal microflora.....	5
Table 1. 2 Most commonly used probiotic microorganisms.....	8
Table 1. 3 Classifications of bacteriocins from lactic acid bacteria	19
Table 1. 4 Various adhesion factors of different lactobacilli strains.	27
Table 2. 1 PCR system for amplification of 16S-23S rRNA gene intergenic region.....	58
Table 2.2 PCR conditions used for amplification of 16S-23S rRNA gene intergenic region.....	58
Table 2. 3 16S-23S rRNA gene intergenic sequence analysis and Genbank submisiiion of selected isolates.....	62
Table 2. 4 Survival rate of <i>Lactobacillus</i> strains in the presence of 0.3% and 1% bile salts.....	64
Table 2. 5 Survival rate of <i>Lactobacillus</i> strains under acidic condition.....	65
Table 2. 6 Spectrum of antimicrobial activity exhibited by various lactobacilli isolates	67
Table 2. 7 Spectrum of antibiotic susceptibility of various lactobacilli isolates.	69
Table 4. 1 Strains used in the study	87
Table 4. 2 Reaction system for semi-quantitative reverse transcriptase-PCR	91
Table 4. 3 RT-PCR (reverse transcriptase) conditions for cDNA synthesis.....	91
Table 4. 4 Reaction system for β-actin PCR.....	92
Table 4. 5 Reaction system for qRT-PCR	92
Table 4. 6 Conditions for qRT-PCR analysis of TJ proteins.	92
Table 4. 7 Primers used for qRT-PCR analysis	93
Table 5. 1 Strains used in the study	115
Table 5. 2 Histological scoring system for DSS-induce colitis.	117
Table 5. 3 Primers used for qRT-PCR analysis of tight junction.	119