

Fig.1 Structure of *pEASY*®-T1 cloning vector

*LacZ*α fragment: bases 1-544

M13 reverse priming site: bases 205-221

Multiple cloning site: bases 234-354

T7 promoter priming site: bases 361-380

M13 forward priming site: bases 387-403

f1 origin: bases 545-982

Kanamycin resistance ORF: bases 1316-2110

Ampicillin resistance ORF: bases 2128-2988

pUC origin: bases 3133-3806



PCR product of 16S rRNA gene

ACTCCTACGGGTGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCAATACCGCGTGTGTGAAGAAGGCCCGAGGGTTGTAAAGCACTTTCAATTGTGAAGAAAAGCTTGAGGTTAATAGCCTTGAGTCTTGACGTTAACTTTAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCGCGTAGGCGGTTTGGTCAGTCAGATGTGAAAGCCCCGGGCTCAACCTGGGAACTGCATTTGATACTGCTGAGCTAGAGTATGGTAGAGGTAAGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAACATCAGTGGCGAAGGCGGCTTACTGGACCAATACTGACGCTGAGGTGCGAAAGCGTGGGTAGCAAACAGGATTAGAAACCCTAGTAGTCC

PCR product of ITS

AACTTTTGGCAACGGATCACTTGGCTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATCCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCCAGTATTCTGGCGGGCATGCCTGTTCGAGCGTCATTTCAACCCTCAAGCTCTGCTTGGCGTTGGGGATCGGCAGCCCGGCTTCGCGCCGCGCCGTCCCCCAAATACAGTGGCGGTCACGCTGCAGCCTCCCTTGCGTAGTAGCACACCTCGCACCGGAGAGCGGCGCGGCCACGCCGTAAAACCCCCGACTTCTTGTTTTTGACCTCGAATCAGGTAGGACTACCCGCTGAACTTAAGCATATCAATAAGCGGAGG