

GGCCGGCCGAAGCAAACCTTAAGAGTGTGTTGATAGTGCAGTATCTTAAAATTTTGTATAATAGGAATTGAAGTTA  
AATTAGATGCTAAAAATTTGTAATTTCTAGAAGGAGGTTAGTTAGA  
**ATG**ATAGAACAAGATGGATTACATGCTGGTAGTCCTGCTGCTTGGGTAGAAAGATTATTTGGTTATGATTGGGCA  
CAACAAACAATTGGATGTTCTGATGCAGCTGTTTTTAGATTAAGTGCACAAGGAAGACCTGTTCTTTTTGTAAAA  
ACAGATTTATCAGGTGCTCTTAATGAATTACAAGATGAAGCAGCTAGACTTTCTTGGTTAGCAACAACCTGGAGTT  
CCATGTGCAGCTGTACTTGATGTTGTAACCTGAAGCTGGAAGAGATTGGTTACTTTTAGGAGAAGTTCCTGGTCAA  
GATCTTTTAAGTTCACATTTAGCACCAGCTGAAAAAGTTAGTATAATGGCAGATGCTATGAGAAGACTTCATACA  
TTAGATCCTGCAACTTGTCCATTTGATCATCAAGCTAAACATAGAATAGAAAGAGCAAGAACAAGAATGGAAGCT  
GGACTTGTTGATCAAGATGATTTAGATGAAGAACATCAAGGTTTAGCACCTGCTGAACTTTTTGCAAGACTTAAA  
GCTAGAATGCCAGATGGAGAAGATCTTGTGTAACACATGGTGATGCTTGTTTACCTAATATTATGGTTGAAAAT  
GGAAGATTTTCAGGTTTTATTGATTGTGGAAGATTAGGTGTAGCAGATAGATATCAAGATATAGCACTTGCTACT  
AGAGATATTGCAGAAGAATTAGGTGGTGAATGGGCTGATAGATTTCTTGTATTATATGGAATAGCAGCACCAGAT  
AGTCAAAGAATAGCATTTTATAGATTATTAGATGAATTTTTTT**TAA**

**Figure S6. Sequence of the synthesized *PermB-kan* gene.**

Ribosome binding site is underlined. Translation initiation codon (ATG) and stop codon (TAA) are indicated in bold.