APPENDIX 1

pCR BLUNT-TOPO SEQUENCING VECTOR

Comments for pCR®4Blunt-TOPO®
3956 nucleotides

lac promoter region: bases 2-216
CAP binding site: bases 95-132
RNA polymerase binding site: bases 133-178
Lac repressor binding site: bases 179-199
Start of transcription: base 179
M13 Reverse priming site: bases 205-221
LacZα-ccdB gene fusion: bases 217-810
LacZα portion of fusion: bases 217-497
ccdB portion of fusion: bases 508-810
T3 priming site: bases 243-262
TOPO® Cloning site: bases 294-295
T7 priming site: bases 328-347
M13 Forward (-20) priming site: bases 355-370
Kanamycin promoter: bases 1021-1070
Kanamycin resistance gene: bases 1159-1953
Ampicillin (bla) resistance gene: bases 2203-3063 (c)
Ampicillin (bla) promoter: bases 3064-3160 (c)
pUC origin: bases 3161-3834
(c) = complementary strand
APPENDIX 2

MAP OF pRSET A AND B EXPRESSION VECTOR

Comments for pRSET A
2897 nucleotides

- T7 promoter: bases 20-39
- 6xHis tag: bases 112-129
- T7 gene 10 leader: bases 133-162
- Xpress™ epitope: bases 169-192
- Multiple cloning site: bases 202-248
- T7 reverse priming site: bases 296-314
- T7 transcription terminator: bases 256-385
- f1 ori: bases 456-911
- bla promoter: bases 943-1047
- Ampicillin (bla) resistance gene (ORF): bases 1042-1902
- pUC origin: bases 916-2852 (C)