

Fig. 12. Classic attenuation regulation: a) *trpE*, *trpS*, *trpBE*, *trpBA* operons in actinobacteria; b) *trpB* gene in Bacillales (Firmicutes). Designations as in Figure 4.

a)

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DIP_trpBE *****AUGAAUGCACAUAACUGGUGGUGGCGCGCUUAACC*GCGGGCC*GUUUU***CACGCAUUCAUUUC*****AAC**AGGCUCGCCUUGUCCA*****ACAAGCAGCGGGCCUUUUUGUUAGC*
DIP_trpBA *****AUGAUGAAUGCAGCUUUCAGUUCUUCUGGUGGCGCGCCUAGCAGGGCGGGCCUUUUGUGUGAGCAUUCACCACACAACUUUGGAAACACAAGCCCGCGUAU*****CGCGGGCUUUUCGUUAU*
CE_trpE *****GUGAACAAUCUCUGUCAAUCCCAGGGCACCCAGUGGUGGUGGCGCGCUAGAUAAGCGGGCCACCGAUCACCAAGUUGUUUCACACUGAAGAUUU***CAAGGCUCGUGUACUUCGUCACGAAGCAGCGGGCCU*UUGUGUU*
cg_trpE *****GUGAAUAACUCUUGUCUCAGUCAAGCACCCAGUGGUGGUGGCGCGCUAAUAAGCGAGCCUGACACCUCAGUUGUUUCACUU*UGAUGAAUUUUUAAGGCUCGU**ACUUCGUCACGAAGAAGCGGGCCU*UUGUGUU*
SAV_trpS *****AUGACUACGCGUACGUGUACCCAGCAGUGGUGGCGCGCCUGA*CGGCG*GCCGUACACACGUAUGUACUC*****AACGGCCGCGCCU*****CGGCGGCGGUUCUGUUUC*
SAV_trpE *****AUGUUCGCGCACUCGAUCCAGAACUGGUGGUGGACCGCUCUACCCGGCG*GCCCACUGAUCGCGCGU*****ACGCAAGACUUCGGGAAGGCCGCC*****GAGGGGCGGCCUUUGUGUUUC
SCO_trpE *****AUGUUCGCGCACUCGACCCGGAACUGGUGGUGGACCGCUCACCCGGCG*GCCCACUGAUCGCGCGU*****ACUCAAGACUCGCGAAGGCCGCC*****GAGGGGCGGCCUUCGUGUUUC
SVE_trpE *****AUGUUCGCGCACUCGACCCGGAACUGGUGGUGGACCGCUCACCCGGCG*GCCCACUGAUCGCGCGU*****ACACGGAUCACACGACAGGCCGCC*****GAGGGGCGGCCUUCUCG*****
Tfu_trpE *****AUGCGACCGGCACUGACUUCCAGCAGUGGUGGCGCGCCUGGUGAGCGGGCGCUUCUGGUUCGCAU*****UCCUGAGACCUGGCGACCGCC*****GGACCGGCGGUCGUUCUGUUGUC*
nfa_trpS UGGCCUCAACCGCCGAUCUCACGCCGAGGCGCGGAUGGUGGCGCUCUACCUGAUGGGGCAACGGGUGCCUACCCG*****CUGCCGGUGCCCGCCAGCAGGU*****CACCGGCGGUACUACCGUCUCGU*
SACE_trpS *****AUGUGGUGGCGCGCCAC*GGGCG*GCCGGACGCUUCGCGCACUGACCAACGCGAACC*GUGCCAUACAGCGGCCGACGCGAAUCGCGGUCAUCCUGGUGGCGGCAAGGACC*
    
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b) *trpB*:

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BH
AUGUGUUGGUGGUGGCGAGUAUUGCGAUAGGAACGUUUUACCAUUUUUAGAGGAGUACGUGAAGCUUAUCGGCGUGGAAGCGCGGGCAAAGGAGUCGAGACUUCUCAACAUCGGCGACGAU**ACGAAAGGACGAGUAGGUGUCAUUCACGGAUCGAUGACCUACUUGCUUCAG
BALH
UUGUAUUGGUGGUGGCGAGUAACGCAUUGGAAUGUUUUAUCGUGUCUACCGAUGAAGAAGUUGCUCUUUACGGCGUAGAAGCAGCUGGAAAGGUGUUAUCAGAAAGCAUGCAGCAACUUUAACGAAAGGAGCGGUCGUGUUUACGGAU**CAAUGAUGUAUCUUCUA
    
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