

Рис. 17. Классическая аттенюаторная регуляция: а) гена *trpE* у *Bacteroidetes*, б) гена *trpE* у *Thermotogae*. Обозначения такие же, как на рисунке 4. Выравнивание отсутствует.

а) *trpE*:

BF
AUGCAAGUAAAUAUCAUAU**UGGUGGUGG**CGCCCGUUACAACUCCGACAGUCG**UAA**GGGAGCAGCGCUCGUAUGUAUAUACCUCAUAAAAGAUUAACAGAA*****UUU**AGAAAGAGCCUGUCGCA**A*CC**UGCGACGGGGCUCUUUUU**UUUAA
BVU
*******AUG**GUAAAUAUCAUAU**UGGUGG**CGUUUCUUACAACUAAAACAGUCG**UAA**GGGAACCGACCAUGUAUAUAUACCUGACAUCUAAAAGGAUAUUC*****AAAC**GAAGGCCUGUCGUA***CU**UACGACAGGCCUUU**UUUCGUAG
FP
*******AUG**AACACAUUUUUAAAACAAUACU**UGGUGGUGG**AAUAAUUUACGUCACAAACGUCG**UGA**ACUAAUCCUCUAUAUUGUAUUUUAAAACU*****CAAAUAU**AAAAAGGCUUGUC**AAUCA*****C**GACAAGCCUUUUU**UUGUGCA**
Fjoh
*******AUG**AACAAUACU**UGGUGGUGG**AACAAUUUACGUCACAAACGUCG**UGA**ACGAAGCUUCUAUGGUAUUUU*****CAAAUAU**AAAAAGGCUUGUC**AUCA*****C**GACAAGCCUUUUUUU*****
FB2170
*******AUG**AAAAACAGAACAAUAUAUCA**UGGUGGUGG**AGUAACUUACGAAAAACGUCG**UGA**GCAAAGCAUCAUUGUAGUAAA*****ACUAUAU**AAAAAGGCUUGUC**UAUCA*****C**GACAAGCCUUUUUUAAUUAUA
FBBAL38
*******AUG**AUUUCAAUUUAAAACAAUACU**UGGUGGUGG**UCUAAACUUACGUCGAACUUCG**UGA**GCGAAUCCUGCUAUGUAUCA*****UUUAAAACCAAUAUCA**AGAAAAGGCUUGUC**AAUCA*****C**GACAAGCCUUUUUUUAUUGCC
GFO
*******AUG**AAAAAAUAAC**UGGUGGUGG**AAUAAACUUACGUCACAAACUUCG**UGA**GCUAACUCGCUAUUUUCAUAUAGAA*****AUU**AAAAAGGCUUGU**UCA******C**GACAAGCCUUUUUUUAUUGCA
RB2501
*******AUG**AAAACAUGAUUACAACAAC**UGGUGGUGG**UAUCUGAUCGCGGAACGUCG**UGA**CCUGAGCCCCCGUGUUGUCCACCAUA*****CCU**AAAGGCUUGUC**UGUCA*****C**GACAGGCCUUUUUAAUUUUU
MED134
*******AUG**AAAAACAUAACAGUACAUAUCU**UGGUGGUGG**AUAACACAACAACUGUUGUCG**UAA**GCACGCACCUAUGUACCAUUAUAUA*****C**AGCCUGUC**UUUA******C**GACAGGCUUUUUUUUUGUUCU
MED217
*******AUG**AAAAACAAAACAGUAAAUAUCU**UGGUGGUGG**AUCUCGCAACAG**UAA**UGUCGUGAAACAACCUUGUAUUUAAAUAUAAUAAC*****U**GAAAGGCCUGUC**UCA******C**GACAGGCCUUUUUUGUUUCGC
P700755
*******AUG**CUUAAAACAAUAACAAUUCU**UGGUGGUGG**UCUUUAUUACGUCACAAACGUCG**UGA**CUUAGAUCCUGCUAUGUAAAUAUAUCA*****U**AAAGGCUUGUC**UAUCA*****C**GACAAGCCUUUUUUAUUAUUA
MED152
*******AUG**AAAAACAGUAUAACAUAUCU**UGGUGGUGG**AACUCUCUUAAC**UAA**UAAGUGAGUUUAUACCUGUAUGUAAAUAUAU*****U**AAAAAGGCUUAUC**UCA******C**GAUAAGCCUUUUUCAAUCAA
PI23P
*******AUG**AAAAUAUAACAACAACU**UGGUGGUGG**AACUCUCUUAUAUCA**UAA**GUGAGAUGAAUCCUAUAUGUUUAUA*****CA**UAUAUAAAAAAGGCUUAUC**UCA******C**GAUAAGCCUUUUUUUAUUAU
CHU
*****AUG**AAAAACAUAACAGGAACUAACAUAU**UGGUGGUGG**CGGUGAAC**UAA**UCAGUUCGUGAACU**UGCUGCUGUGUCCUGUUUGA*******AAUAUAUCA**AAAGAGGCUUGUCU*****UCA**CGGCAAGCCUCUUU**UAUUUAU
M23134
AUGAUGAAAAAGUUUAUCAUAUAACAAGAU**UGGUGGUGG**CACAAAAGAGAACUCUCUUCUGUGAAU**AGCCCGUGUAUACGUG****UAA**AACUUUAUACAUAAGAUUA**GCAAAAAGGCUUCCUGU****UCA**CAGGAAGCCUUUUUGC**GUUUUG
ALPR1
*******AUG**AAAAACAUCGCAAACAUAU**UGGUGGUGG**CAUUCUUAUUCUUCCAAAAGGA**GUU****UAGA**AAAGCCCGCAUAUAAAUAUUGCG*****UUACGAUAUAGUAU**AAAAGGCUUACUGG**AU*UU**CCGGUAAGCCUUUU**UUAUUGAAA
SCB49
*******AUG**CAAACAACAACAUAUCU**UGGUGGUGG**AAUAAACUCGACAAAAAUC**UGA**GCUAAGCACUAUUUGUAUAUAUCAUA*****C**AAAAGGCUUGUC**AU**CAC**GACAAGCCUUUU**UUUUUAUU*

б) *trpE*:

TM, Tpet
GUGGAGAGGAGUUCA**UGGUGG**UAUUUGAAACAGGUGAGCGAGACGCGG**UGG****UAA**AAACGAUGGACAACAUAUUGGAGAACAUCAGA**AACCU**GACUGGCAGAAGA**UAUUCG****GAAGU**GAAAAGAAAGUA**ACUUUGAGUG**GA**GGGUU**GCGUUUCAAG