

Fig. 33. Classic attenuation regulation of gene *leuA* in: a) α -proteobacteria, b) β -proteobacteria, c) δ -proteobacteria. Designations as in Figure 4.

a)

Caul *******AUGAAC**GUCGCGGCCAA**CUGC**UUUCG**UU**CGG**UU**ACCAACCCUGGGCG**CUC**U**AG**GGGCACGC*UUC**GUCGUG**GCC**GGGCG**CGCAGG**GGAU**GACUG**AUCC**AUCGC**CGCCC**CGCA**CGCAGAC**ACCUUCCGACGAGUAGCUCC*
 CC *******AUGA**CUGUCACGCGGAC**CUGC**UUUCG**UU**CGG**UU**AUCAGCCCGUGGG**CUC**U**AG**GGGCCGCGCAUC**GUCGUGGC**CGGGCGC**ACA**GGGGAUGAUUGAA**CCCGCA**G**CCCGCA**CG**CA**AGACACACCCUUUCGACGAGUACUUUC
 blr **GUG**GCUC**UG**GCCCGCCACGAUCCCGCCGCG**CUGC**UGCCACC**CUC**UU**UU**GGCGGC**UU**UU**UU**ACUUGCC**CC**U**GA**AGGCCCGCGUGGGCCACGCGC**CUGGGCG**CU**CA**GGGGU**UG**GUCGAGAUACCCGGAC**ACCUC**A**AGCGCC**AGCACUGAACGGCGCAA
 SPV1 *******AUGA**ACUUUUUAUCGCACACAUCGGUUUUUACGGCGCAGU**AC**UG**CU**A**UC**UGCG**CA**UA**CGG**C**UG**UGUGUC**UG**C**UGA**ACGGCGUUUCAGUA**AC**AGAU**UA**AC**AG**CGCGCGCU**U**ACC**CGCGGCCU**UUUUUU**AUG**CCCGUU**UG**AGU**UG**CU**AA**UCUGAGG*****

b)

Bxe ACC**CUA**UCG**CUA**CU**ACUA**AGCCCGCUCACC**GGGCUA**GGU**CUGC**UG**CUG**CGCGCUUCCGUC**UGA**AACACCCGAAGCACCGCUCAAUCCCCAGUAACUGACCCA**GCCCCGGUU**UCC**GACCGG**C**GGG**CCAGUUAUGUCUUUUCG*****
 Bphyt *****CUA**UCG**CUA**CU**ACUA**AGCCCCUCUACCGGG**CUA**GGU**CUGC**UG**CUG**CGCGCUUCCAUC**UGA**UACACCCGAAGCACCGCAAUUCCCCAGUAACUGACCCAGCC**CCGGUUUU**C**GACCGG**CGCCUCGUAUGUCUUUUCGUCGUC**CG*******
 Bpro *******AUGA**ACAAAUUUCG**UU**GC**UA**U**U**GC**UA**UCUGCC**AC**GGGCGGAGACGG**UAG**CGCGCACG*****CGUACACCCAAUUC**ACGGCCCGUU**UGC**AACAGC**ACGGGCCGU**UUUCUUUGGGUUGCUGGUUUUGAAAUCUCAA
 Daci *******AUG**CAAU**AC**C**UG**UGCG**UA**GC**UA**CU**ACUA**CU**GA**UGUCC**AC**GGGCGAGAG**AG**U**AG**CGCGCGC*****UACAUAACCUACUUUC**ACGGCCCGUU**UGC**ACCAGC**GACGGGCCGU**UUUGCAUUUGGGGUGCG*****
 Ajs *******AUG**CAUUUC**CUG**UGCG**UA**GC**UA**CU**ACUA**CU**GA**AA**UUG**UCC**CUC**GGGCGAGG**CA**U**AG**U**AG**CGCGC**GCGUACACACCUACU**U**CC**ACGGCCCGU**GAGC**ACCAGC**GACGGGCCGU**UUUGUUUUCCGGGUGCGUGGAGCACAGGUCAG
 Mpe *******AUG**ACGUUUCGCGCCCGCUUUUC**CUGC**UG**CUA**CU**AG**CU**AG**GAUGUCC**AC**GGGCGAGAA**AG**U**AG**CGCGCGC**UACAACACACCCUACU**U**GGCGCCCGU**AGCA****UCAGC**GACGGGCCGU**UUUGUUUAGUCCUCGACCUUGUAUCUUCGUGGA
 Ctes *******AUG**CAAA**AC**C**UG**UGCG**UA**GC**UA**CU**ACUA**CU**AG**UCC**AC**GGGCGAGAA**AG**U**AG**CGCGCGC**UACAACACACCCUACU**U**GGCGCCCGU**AGCA****UCAGC**GACGGGCCGU**UUUGUUUUGGGGUGCGUGGAGCUGGGU**U**CAAU
 BURPS **AUG**ACCGCAUUUCCCGCCCUUCC**UU**UU**UU**U**AG**CCGGUGGCGCG**CUA**CGCGCG**CUA**CGCGCG**CUA**CGCGCG**CUG**CC**CGC**U**GA**CGUUUUCGCCUCCGUCGAGCUUCGUCUGU**GU**CU**AG**CU**AG**CU**CG**CG**UG**CG**GUGGCG**GAGCUCAUCACGUGU**U**UCCCCAU**U**CGAC

c)

DP *******AUGA**ACUUUAUCUCUC**UCCUCCUA**CU**AG**CAUGCC**UA**U**U**U**U**GC**U**CGCCCU**UG**CGCGGUCUGGAGAGAAUUUAU**UAG**UUUUUGUUUGUCUACUAU**UA**AGU**U**GAUCU**AAAGGCC**CG**GGU****GAAA**AA**CC**GGGCCUUU**UUUUUGUU
 SYN *****GUG**GCAAA**U**AGAGAAAGGGCCGAU**U**CC**UGU**U**AG**CACAGCC**U**U**U**GC**U**UG**U**CG**U**GG**CCU**CGCC**UU**CG**U**GC**UU**GCUUUCCAUCGCCCGGUCUUU**U**CA**GGU**CA**AC**CG**UA**ACGAAGAAAAAAGAAAA**CU**GAA**AGGCCA**U**GGGC****GGAAA**GU**CU**AGGCCUUU**U*****
 Sfum *******AUGA**UCCAGGCUC**U**CGUC**UA**UCC**UA**CU**U**U**U**U**U**CG**AC**CU**GA**AAUGGUCGGACGCGGAGACCUCGUGCCUU**U**C**U**U**U**CGCC**UGA**AGCGCGUGCAUACCGUCCAA**ACC****U**AA**GG**CA**U**GGGG****GAAA**CU**CA**UGGCCUU**UUUGUUU**
 STIAU *******GUG**UCCGUCGUUGCUGGG**GUG**GCCGGC**UCCU**UU**U**GGCGC**UU**UU**U**U**U**U**U**CGCGACGGGGCCGGCCACCGUUC**UGA**GACUGGAUGAAC**ACC*******CCAGGCU**GAACG**AAAA**G**CCCCGCC**CC**CGAAACGG**AGCGGGUUUUCGUUUU**UC
 PPSIR1 **AUG**ACCGGUGCAUCCCCACGACUGCGCC**UCCU**CGGAGCGCGGAC**CUA**CU**CG**U**CCU**CGACGGUGGG**CUGC**U**CCUCCU**CUGGAGGUCUGCGUG**UG**U**GA**ACUAGGUCCUACGGACCU*****UCCACGC**AGACC**CA**CC**CG**CCA****UUU**UGGC**CG**GUGGUU**UUUUGCGU*