

Рис. 27. Классическая аттенуаторная регуляция генов *ilvB*, *ilvG*, *ilvC*, *ilvA* у γ -протеобактерий. Обозначения такие же, как на рисунке 4.

***ilvB*:**

Ece	***** AUG UUC AACGCAAAA CUACUA CCAACUGCGC CUA UCCGCCGC AGUGGUCGUCGUG CGU***** GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGACUGGAA**CAACACACGAUUC AAAACCCCGCGCGGCGCAACCGGCGGGGUVUUUCGUUUAA
KPN	AUG AACGCAACC CUGAUC CGCUUCGACCC CUACUA AAAAACCGCGCC**AGCCGCG GUGGUCGUCGUGUCU ***** GUGGUGGUCGUCGUC GGCAAUGCGCGCG UAG GGUCCGGAA***CAACACGAUUC AAAACCCCGCGCGCGCAACCGAGCGGGGUVUUUUGUUGGC
ECA	ACGCACUACUCUUCACUUCAGCA CUACUA AAACACCGCGCAU AUU AGCGCG GUCGUCGUCGUCGUCGUGGACGUCGUCGUGGUCGUCGUC GGCAGCGCGCGCG UAA CGGGUUCCG**AAUCGAAGAUUC AAACCCCGCGCGCGGCCAGCCGACGGGGUVUUUCGUUUUCU
t	***** AUG CGAACGCGACCC CUACUA CAACUCGCGCAUUCGCGCA GUGGUCGUCGUGUCU ***** GUGGUGGUCGUCGUC GGCAAUGCGCGCG UAG GGUCGGAA**CACACACGAUUC AAAACCCCGCGCGCGCAACCGGCGGGGUVUUUUGUUUAA
STM, STY	***** AUG CGAACGCGACCC CUACUA CAACUCGCGCAUUCGCGCA GUGGUCGUCGUG CGU***** GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGUCGGAA**CACACACGAUUC AAAACCCCGCGCGCGCAACCGGCGGGGUVUUUUGUUUAA
CKO	***** AUG CGAUCGCGACCC CUACUA AAAAACGCGCAACUGCGCGCA GUGGUCGUCGUGCGU ***** GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGACUGGAA**CAACACACGAUUC AAAACCCCGCGCGCGCAACCGGCGGGGUVUUUUGUUUAA
YPN	GUG AACUAUUCACUGCCAAUUCGCC CUACUA AAACACCGCGCAU GUU GCCGCG GUCGUCGUCGUGCGC ***** GUGGUGGUAGUC GGCAGCGCGCGCG UAA CGGGUACCGAAUCCAGAAAGAUUCC AAACCCCGCGCGCGGCCAGCCGACGGGGUVUUUCUUUUUAUC
Yps	GUG AACUAUUCACUGCCAAUUCGCC CUACUA AAACACCGCGCAU GUU GCCGCG GUCGUCGUCGUGCGC ***** GUGGUGGUAGUC GGCAGCGCGCGCG UAA CGGGUACCGAAUCCAGAAAGAUUCC AAACCCCGCGCGCGGCCAGCCGACGGGGUVUUUCUUUUUAUC
YE	AACUAUUCACUGCGUCUCAUUCGCU CUACUA AAACGCCGCGCAU GUU AGCGCG GUAGUUGUCGUGCGC ***** GUGGUGGUGGUAGUGGUC GGCAGCGCGCGCG UAA CGGGUACCGAAUCCAGAAAGAUUCC AAACCCCGCGCGCGGCCAGCCGACGGGGUVUUUCUUUUAGC
YfreA	GUG AACUAUUCACUGCCAAUUCGCC CUACUA AAACACCGCGCAU GUU AGCGCG GUAGUCGUCGUGCGC ***** GUGGUGGUGGUGGUGGUGUC GGCAGCGCGCGCG UAA CGGGUACCGAAUCCAGAAAGAUUCC AAACCCCGCGCGCGGCCAGCCGACGGGGUVUUUCUUUUAGC
YintA	GUG AACUAUUCACUGCCAAUUCGCC CUACUA AAAAACUGCGUAU GUU AGCGCA GUCGUGAGUCGUU CGC** GUGCUGAGUGGUGGUGGUGGUC GGCAGCGCGCGCG UAA CGGGUACCGAAUCCAAAAAGAUUCC AAACCCCGCGCGCGGCCAGCCGACGGGGUVUUUCUUUUUGC
Ent638	***** AUG AGCUGCGACCC CUACUA AAAAACUGCG CUA CAGCGCG AGUGGUCGUCGUGCGU ***** GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGACUGGA**CAACACACGAUUC AAAACCCCGCGCGCGCAACCGCGGGGUVUUUAGUUUAA
Spro	GUG AUCGCAUCCUGCG CUACUA UUCGACCC CUACUAGUU ACCGCG CUA CCAGCGCGGUG AUGGUCGUCGUG *****CGU GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGUCCGAA*UCAACGCAUCGAUUC AAACCCCGCGCGCGCAACCGGCGGGGUVUUUAGUUUAA
S	***** AUG UUC AACGCAAAA CUACUA CCAACUGCGCCAUCGCCCGCA GUGGUCGUCGUGCGU ***** GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGACUGG**AACAACACACGAUUC AAAACCCCGCGCGCGCAACCGGCGGGGUVUUUCGUUUAA
SSON	***** AUG UUC AACGCAAAA CUACUA CCAACUGCGCCAUCGCCCGCA GUGGUCGUCGUGCGU ***** GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGACUGG**AACAACACACGAUUC AAAACCCCGCGCGCGCAACCGGCGGGGUVUUUCGUUUAA
SbBS512	***** AUG UUC AACGCAAAA CUACUA CCAACUGCGCCAUCGCCCGCA GUGGUCGUCGUGCGU ***** GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGACUGG**AACAACACACGAUUC AAAACCCCGCGCGCGCAACCGGCGGGGUVUUUCGUUUAA
SDY	***** AUG UUC AACGCAAAA CUACUA CCAACUGCGCCAUCGCCCGCA GUGGUCGUCGUGCGU ***** GUGGUGGUGGUCGUC GGCAAUGCGCGCG UAG GGACUGG**AACAACACACGAUUC AAAACCCCGCGCGCGCAACCGGCGGGGUVUUUCGUUUAA

***ilvG*:**

Ece t KPN YP ECA YmolA YberA Sg plu BSA AHA ASA VSWAT3 VC0395 A79 VV VF AIQ VSAK1 V12G01 VEx2w V12B01 VAS14 SKA34 P3TCK PE36 SO Spvtw3181 Sbal195 Sputcn32 Ssed Sfri Sden Shew Spea Swoo Sama CPS PSHAa PTD2 Patl ATW7 Ping PCNPT3 PM HI

t
KPN
YP
ECA
YmolA
YberA
Sg
plu
BSA
AHA
ASA
VSWAT3
VC0395
A79
VV
VF
AIQ
VSAK1
V12G01
VEx2w
V12B01
VAS14
SKA34
P3TCK
PE36
SO
Spwt3181
Sbal195
Sputcn32
Ssed
Sfri
Sden
Shew
Spea
Swoo
Sama
CPS
PSHAA
PTD2
Patl
ATW7
Ping
PCNPt3
PM
HI

ilvC:

XC ACCUUGAACGCUUACUGCCCGCGCCCCAUCGGCGUGCCGGCGUCGCUUCUCGUGCUCGUACUUAUUACCUCGCCAAACGGGUGCGGGACGCGGCUUCGUGUAGGCAACAGACAC*****ACAAGGCUUCGAUCAGACCCCGCAACCGGCAACCGGCGCGGGGGUUUCGCGUUUC
 XOO *****AUGUCCACGCCCUCUGGCGCGUUGGUUGUGUCGCUUCUCGUGCUCGUACUUAUUACCUCGCCAAUCGGGUGCGGGACGAGACUUCGUGUAGGCAACAGAC*****ACAAGGCUUCGAUCAGACCCCGCAACCGGCAACCGGCGCGGGGGUUUCGCGUUUC
 Xfaso GCUUCUUC AACUGU CUUCCAAUUCUGCU AUUACG GUA GCCUUU CUUCUUAUACUCGUGCUUAUU GCCUGCCCAAACAGUGGGGGACAGGCCAGCGUGUAAACAAAUACAC*****UCAGGCUUUGAUCAAACCCCGCAAUUGGCAACCUUGCGGGGGUUUGUUUUUU

***ilvA*:**

Pput *****AUGAAUACAUCCCGCAGGUGAACGCCAUUAUUUUUACCGCCAUUAUCAGCUUGCGGGGCUAGCGGUACGUGC*****ACCGAACCCGCCUGG*****AGGCGGGUUUUUUCUCUCU
 PSPTO *****AUGAACCUCAUCAAGCAAACCCUCGGCCAGAUUAUUUUUACCGUCAAUCCAGUCAUGGCGGGUUGAGCCGACGUUUGC*****AAAAAACCCGCCUGG*****AGGCGGGUUUUUUUCUGUC
 PFL *****AUGACUUUCCUGCAUAUCGUUUCAGCCAAGCAUUUUUACCGCCAUUCCUUAUUGGCGGGCUUGCUAGCAGCUGCA*****CCCAACCCGCCCGG*****AGGCGGGUUUUUUCUCUCU