

Fig. 26. Classic attenuation regulation of gene *ilvB* in: a-b) β -proteobacteria, c) δ -proteobacteria. Designations in b) and c) as in Figure 4. In yellow is the sequester, in green – the predicted *ilvB* initiation codon. For δ -proteobacteria alignment is not shown.

a)

BP **GUGCUC**AAGGCCGCAUCGAGUACGGCGGCCCGGCG**CUGGUC**GAC**AUCAUCGUC**CAGCCG**CUG**CAGGAAGCGGGCGGCCCG**GUC**AGCCAGUGGAUGGGC**UGA****GCCCGCUU**CC**UCG**AACA**CGACAC****GGGCGGGC**ACA**AUG**ACCAGAACAGAACCGGACCAACCGAUGGGCGGGCUCCGG

BB **GUGCUC**AAGGCCGCAUCGAGUACGGCGGCCCGGCG**CUGGUC**GAC**AUCAUCGUC**CAGCCG**CUG**CAGGAAGCGGGCGGCCCG**GUC**AGCCAGUGGAUGGGC**UGA****GCCCGCUU**CC**UCG**AACA**CGACAC****GGGCGGGC**ACA**AUG**ACCAGAACAGAACCGGACCAACCGAUGGGCGGGCUCCGG

BPP **GUGCUC**AAGGCCGCAUCGAGUACGGCGGCCCGGCG**CUGGUC**GAC**AUCAUCGUC**CAGCCG**CUG**CAGGAAGCGGGCGGCCCG**GUC**AGCCAGUGGAUGGGC**UGA****GCCCGCUU**CC**UCG**AACA**CGACAC****GGGCGGGC**ACA**AUG**ACCAGAACAGAACCGGACCAACCGAUGGGCGGGCUCCGG

b)

Bpro *******AUG**UUCGAAAACAGUGCGUUUCGAG**UCUUG**CGACGGCGAAACCAGUCCAGGG**UGGUGUUG**GACAAGAUGCGC**UGA****ACAGCAUGGGGAGUUC****GGCG**GCAGGCUUGUCGCAUAGUGCUG**CGCCAGCUUC****AUCAUGCUGU**CCUGAACAAUUC

azo *******AUG**UCCGUUCCGCUUCC**CUU**CCU**GUCGUA**AGCC**CUG**UCC**GUA**CG**GUAGUAGUA**AGGCG**UA**AGCGGUCGCGCGUC**UAG**CGGAUAAGGGCACAGGCAAACCACAGCAUCCCC**AACCCCGCCGGCG**CGAAA**UGCCGGCGGGGUU**UUUGUUUUC

Daro **AUG**AACGCUCCCGUACCGCCACCGCUCCAACACUGCCCGCGCAG**GUGCUG**CC**GUCGUCGUA**ACGU**GUAGUCGUCGUA**AGCG**GUCGUU**ACGGACACGCCGUC**GCG****AUC**GGG**UAAG**CAGAAGCAGCACAGAACCC***AACCCCGCCGGCGC***AAA**CCGGCGGGGUU**UUUGUUUGGC**

c)

STIAU **GUC**CAGGCC**CUCGUC**CC**UGUAGUA**AGGCGGAGAG**CCUUCUU**CGCGCC**UUCUU**GC**CAUGGGGGCGGGCCCG**CGUUC**UGA**GU**CGGGAGAAAUC**UCCCCAGGCCGG**AACGAA**UC**AGCCCGCC**CCCGGAAACGGU**GGCGGGGUUUUCGUU**UUUCGGCUC**CCAAAACCCGUGAUUCG**

DP **AUG**GCUUUAUCUUC**GUAAUGUA**UACUUUUAUGCUUU**CUCUUUUG**GC**AUC**CCG**UAA**CAAAAA**AAAGGCC**CC**CGGUU**UUUC**AACCG**CGCCUUUAGAUCAACUUAUAGUAGACAAACAAACUAAUAAUUUCUCCAGACCGCGCAAGGGCGGAGCAAUAUAGGCAUGCU

Gura *******AUGGUC**CCUGCCGGGCAUC**CGU**ACCGAG**AUGGUC**UCGCAUCC**UGA**GGUAAUGUUCGUAGAGGCGAUCCUGGUAUCGCCCGAUUGC**GGGCGAGU**ACAAG**AUUCGUCC**CUACAGCGAUUUCGGAGGAUUUC

Ppro *******CUGGUAUUUUG**UCAUUUCCUGAUCC**UGA**AAUGAUGUUGCUCUGGUGU**CAGAC**GUUUUUCC**AGAA**CUCUGUGCCUCUGUGGCUAUGUACAUUUCCCGGUUCAUGUUGCGGAUGGAGUGGAUGGU

Sfum **AUC**GCUGCCCGCGAGAU**GAGCGGGGCA****GUC**GAUCAG**CUCUUGAUUU**UCGGAG**GUC**AAUCCAUCA**UUAUA**AGGACCUUUA**AUCUGGGAGCUCAC**CGCGCGCGAUGCCAUCAUCA**CGAC**GGAA**UGGGC**CAG**CAC**CAGAU**GUG**GACC**GCCCA****GUUCUUG**AAU