

Рис. 5. Классическая аттенуаторная регуляция генов *pheA* и *pheS* у  $\gamma$ -протеобактерий. Обозначения такие же, как на рисунке 4.

*pheA*:

[illegible]

*pheS*:

Ece \*\*\*AUGAAUGCUGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAAUCCAGGAGGCUAGCGCGUGAGAAG\*AGAAACGAAAAACAGCGCCUGAAAGCCUCCAG\*GU~~GGAGGCUUUU~~UUUGUAUGCGCGUUUGAA  
KPN \*\*\*AUGAAUGCUGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAAUCUCAGGGGCUUGCGCGUGAAGA\*AGAAACGAAAAACAGCGCCAGAAAGCCUCCU\*GU~~GGAGGCUUUU~~UCGUAUUAUGAUUCGGAAU  
YpAngola \*\*\*AUGCAUACAGUUAUUUUUCGCUUCUUUUUUUACUUUAGCGCCUGAUUACAGGAGGCUUGCGCGUAAGAAU\*AGAAACGAAAAACAGCGCC\*\*GAAGCCUCCCAUCUGU~~GGAGGCUUUU~~UUUGUUUUUACUUACGGCA  
YE \*\*\*AUGCAUGCAGUUAUUUUCGCUUCUUUUUUUACUUUAGCGCCUGAUUUCAGGAGGCUUGCGCGUAAGAAU\*AGAAACGAAAAAUAGCGCC\*\*UAGGCCUCCCAUCUGU~~GGAGGCUUUU~~UUUGUUUUUUGCUCUACAGCAU  
YintA AUGAUACAUGCAGUUAUUUUCGCUUCUUUUUUUACUUUAGCGCCUGAUUUCAGGAGGCUUGCGCGUAAGAAU\*AGAAACGAAAAAUAGCGCC\*\*UAGGCCUCCCAUCUGU~~GGAGGCUUUU~~UUUGUUUUUACUCUACGGCA  
YfireA \*\*\*AUGCAUGCUGUUAUUUUCGCUUCUUUUUUUACUUUAGCGCCUGAUUUCAGGAGGCUUGCGCGUAAGAAU\*AGAAACGAAAAAUAGCGCC\*\*UAGGCCUCCCAUCUGU~~GGAGGCUUUU~~UUUGUUUUUAGCAUAGGGGCC  
YberA \*\*\*AUGUAUACCGUUAUUUUCGCUUCUUUUUUUACUUUAGCGCCUGAUUUCAGGAGGCUUGCGCGUAAGAAU\*AGAAACGAAAAACAGCGCC\*\*AAAGCCUCCCAUCUGU~~GGAGGCUUUU~~UUUGUUUUUGUCUUACGGUAU  
YmolA \*\*\*AUGCAUACCGUUAUUUUCGCUUCUUUUUUUACUUUAGCGCCUGAUUUCAGGAGGCUUGCGCGUAAGAAU\*AGAAACGAAAAAUAGCGCC\*\*AAAGCCUCCCAUCUGU~~GGAGGCUUUU~~UUUGUUUUUACUCUACAGCA  
Yps \*\*\*AUGCAUACAGUUAUUUUUCGCUUCUUUUUUUACUUUAGCGCCUGAUUUCAGGAGGCUUGCGCGUAAGAAU\*AGAAACGAAAAAUAGCGCC\*\*GAAGCCUCCCAUCUGU~~GGAGGCUUUU~~UUUGUUUUUACUUACGGCA  
plu \*\*\*AUGUCUUUAGCUUUUUUCGCUUCUUUUUUUACUUUAGCACCUGAAUUCAGGGGCUUGCGCGUAAGAAAGAAACGAAAAAGUAGCGC\*CU~~GAGCCUCCGUU~~\*GUGGAGGCUUUUUUGUUUUUAGCAGUAAGG  
ECA \*\*\*AUGAACGCGCUAAUUUCCGCUUCUUUUUUUACUUUAGCGCCUGAACUCAGGGGCUUGCGCGUAAGAAAGAAACGAAAAAGUAGCGC\*\*UU~~AAGCCUCCCU~~\*AGGAGGCUUUUUUGUUUUUAAUUAUCGGUUU  
t1219 \*\*\*AUGAACGCGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAAUCCAGGAGGCUUGCGCGUAAGAAACGAAACGAAAAACAGCGUAAAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UGUAUCUGAAACGAGAG  
STY \*\*\*AUGAACGCGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAUCCAGGAGGCUAGCGCGUGAAGAA\*CGAAACGAAAAACAGCGUAAAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UGUAUCUGAAACGAGAG  
STM \*\*\*AUGAACGCGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAUCCAGGAGGCUAGCGCGUGAAGAA\*CGAAACGAAAAACAGCGCAAAAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UGUAUCUGAAACGAGAG  
CKO \*\*\*AUGAAUGCUGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAUCCAGGAGGCUAGCGCGUGAAGAA\*AGAAACGAAAAACAGCGCAAAAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UGUACCUAGAAACGAGAG  
SbBS512 \*\*\*AUGAAUGCUGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAAUCCAGGAGGCUAGCGCGUGAGAAG\*AGAAACGAAAAACAGCGCCUGAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UUUGUAUGCGCGUUUGAA  
SFV \*\*\*AUGAAUGCUGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAAUCCAGGAGGCUAGCGCGUGAGAAG\*AGAAACGAAAAACAGCGCCUGAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UUUGUAUGCGCGUUUGAA  
SSON \*\*\*AUGAAUGCUGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAAUCCAGGAGGCUAGCGCGUGAGAAG\*AGAAACGAAAAACAGCGCCUGAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UUUGUAUGCGCGUUUGAA  
SDY \*\*\*AUGAAUGCUGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAUCCAGGAGGCUAGCGCGUGAGAAG\*AGAAACGAAAAACAGCGCCUGAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UUUGUAUGCGCGUUUGAA  
Ent \*\*\*AUGAAUGCUGCUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGAGUUCAGGAGGCUAGCGCAUAGAA\*UGAAACGAAAAACAGCGCCAGAAAGCCUCCAG\*U~~GGAGGCUUUUU~~UUUGUUUACUAGCUGAUGA  
ESA \*\*\*AUGAACGCGCUAAUUUCCGCUUCUUUUUUUACUUUAGCGCCUGAAUCAGAGGGGCUUGCGCGUAAGAAAGAAACGAAAAUACAGGCCAGAAAGCCUCCAU\*U~~AGGAGGCUUUU~~UUUAUACUGCCGUUUUGG  
Spro \*\*\*AUGAACUCUGUAAUUUUCGCUUCUUUUUUUACUUUAGCGCCUGAUUCAGGAGGCUUGCGCGUAAGAGAGAAACGAAAAAGUAGCGC\*CU~~AAGCCUCCU~~\*GU~~GGAGGCUUUU~~UUUGUUUUUUGGCCAUCCCGG  
SG \*\*\*AUGAAUGCUAUAAUUUCCGCUUCUUUUUUUACUUUAGCACCUGUAUCCCGGGGCUUGCGCGUAAUUCAGAAACGAAAAACAGCGC\*\*U~~AAGCCUCCU~~CGGAGU~~GGAGGCUUUU~~UUUAUUGCUGUAUAGCGGGU  
PCNPT3 \*\*\*\*\*AUGUUUUUUCUUUUUUUUAUGAAAGUU\*\*\*\*\*GCAA~~AAAAUAGCAAGCAUUUUU~~UUUGCUAAUUUUUUGCUCAAACUGCAACAGU