Fig. 27. Classic attenuation regulation of genes *ilvA*, *ilvB, ilvC, ilvG* in γ-proteobacteria. Designations as in Figure 4.

ilvB:

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EcE          ************AUGUUCAACGCAAAACUACUACCAACUGCGCUAUCCGCCGCAGUGGUCGUCGUGCGU*********GUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGACUGGAA**CAACACACGAUUCCAAAACCCCGCCGGCGCAAACCGGGCGGGGUUUUUCGUUUAA
KPN          AUGAACGCAACCCUGAUCGCUUCGACCCUACUAAAAACCGCGCC***AGCCGCGGUGGUCGUCGUGUCU*********GUGGUGGUCGUCGUCGGCAAUGCGCCGUAGGGUCCGGAA****CAACACGAAUUCCAAACCCCGCCGGCGCAAACCGAGCGGGGUUUUUUGUUGGC
ECA          ACGCACUACUCUUCUUCCACUUCAGCACUACUAAACACCGCGCAUAUUGACGCGGUCGUCGUCGUGCUCGUGGCAGUCGUCGUGGUCGUCGUCGGCAGCGCGCCGUAACGGGUUCCG***AAUCGAAGAUUCUCAAACCCCGCCGGCGCCAGCCGAGCGGGGUUUCUUGUUUCU
t            ************AUGCUGAACGCGACCCUACUAACAACUGCGCCAUCUCGCGCAGUGGUCGUCGUGCGU*********GUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGUCCGGAA***CACACACGAUUCCAAAACCCCGCCGGCGCAAACCGGGCGGGGUUUUUUGUUUAA
STM, STY     ************AUGCUGAACGCGACCCUACUAACAACUGCGCCAUCUCGCGCAGUGGUCGUCGUGCGU*********GUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGUCCGGAA***CACACACGAUUCCAAAACCCCGCCGGCGCAAACCGGGCGGGGUUUUUUGUUUAA
CKO          ************AUGCUGACUGCGACCCUACUAAAAACUGCGCAACCUGCCGCAGUGGUCGUCGUGCGU*********GUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGACUGGAA**CAACACACGAUUCCAAAACCCCGCCGGCGCAAACCGGGCGGGGUUUUUCGUUUAA
YPN          GUGAACUAUUCCACUGCCAAUUUCGCCCUACUAAACACCGCGCAUGUUGCCGCGGUCGUCGUCGUGCGC************GUGGUGGUAGUCGGCAGCGCGCCGUAACGGGUACCGAAUCCAGAAAGAUUCCCAAACCCCGCCGGCGCCAGCCGAGCGGGGUUUCUUUUUAUC
Yps          GUGAACUAUUCCACUGCCAAUUUCGCCCUACUAAACACCGCGCAUGUUGCCGCGGUCGUCGUCGUGCGC************GUGGUGGUAGUCGGCAGCGCGCCGUAACGGGUACCGAAUCCAGAAAGAUUCCCAAACCCCGCCGGCGCCAGCCGAGCGGGGUUUCUUUUUAUC
YE           AACUAUUCCACUGCUGCUCAUUUCGCUCUACUAAACGCCGCGCAUGUUGACGCGGUAGUUGUCGUGCGC******GUGGUGGUGGUAGUGGUCGGCAGCGCGCCGUAACGGGUACCGAAUCUAGAAAGAUUCCCAAACCCCGCCGGCGCCAGCCGAGCGGGGUUUCUUUUUAGC
YfreA        GUGAACUAUUCCACUGCCAAUUUCGCCCUACUAAACACCGCGCAUGUUGACGCGGUAGUCGUCGUGCGC******GUGGUGGUGGUGGUGGUCGGCAGCGCGCCGUAACGGGUACCGAAUCCAGAAAGAUUCCCAAACCCCGCCGGCGCCAGCCGAGCGGGGUUUCUUUUUAGC
YintA        GUGAACUAUUCCACUGCCACUUUCAGUCUACAAAAUACUGCGUAUGUUAACGCAGUCGUAGUCGUUCGC***GUGCUAGUGGUGGUGGUGGUCGGCAGCGCGCCGUAACGGGUACCGAAUCCAAAAAGAUUCCCAAACCCCGCCGGCGCCAGCCGAGCGGGGUUUCUUUUUUGC
Ent638       ***************AUGACGUCGACCCUACUAAAAACUGCGCUACCAGCCGCAGUGGUCGUCGUGCGU*********GUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGACUGGAU**CAACACACGAAUCCAAAACCCCGCCGGCGCAAACCGGCGGGGUUUUUAGUUUUAA
Spro         GUGAUCGCAUCCUCGCUGACUUCGACCCUACUAGUUACCGCGCUACCAGCCGCGGUGAUGGUCGUCGUG******CGUGUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGUCCGAA*UCAACGCAUCGAUUCCCAAACCCCGCCGGCGCAAACCGGGCGGGGUUUUUAGUUUCA
S            ************AUGUUCAACGCAAAACUACUACCAACUGCGCCAUCCGCCGCAGUGGUCGUCGUGCGU*********GUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGACUGG**AACAACACACGAUUCCAAAACCCCGCCGGCGCAAACCGGGCGGGGUUUUUCGUUUAA
SSON         ************AUGUUCAACGCAAAACUACUACCAACUGCGCCAUCCGCCGCAGUGGUCGUCGUGCGU*********GUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGACUGG**AACAACACACGAUUCCAAAACCCCGUCGGCGCAAACCGGGCGGGGUUUUUCGUUUAA
SbBS512      ************AUGUUCAACGCAAAACUACUACCAACUGCGCUAUCCGCCGCAGUGGUCGUCGUGCGU*********GUGGUGGUGGUCGUCGGCAAUGCGCCGUAGGGACUGG**AACAACACACGAUUCCAAAACCCCGCCGGCGCAAACCGGGCGGGGUUUUUCGUUUAA
SDY          ************AUGUUCAACGCAAAACUACUACCAACUGCGCCAUCCGCCGCAGUGGUCGUCGUGCGU*********GUGGUGGUCGUCGUCGGCAAUGCGCCGUAGGGACUGG**AACAACACACGAUUCCAAAACCCCGCCGGCGCAAACCGGGCGGGGUUUUUCGUUUAA
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ilvG:

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EcE          *********AUGACAGCCCUUCUACGAGUGAUUAGCUUGGUCGUGAUUAGCGUGGUGGUGAUUAUUAUCCCACCGUGCGGGGCUGCACUUGGACGAGGAAAGGCUUAGAGAUC*********AAGCCUUAACGAACUAAGACCCCCGCACCGAAAGGUCCGGGGGUUUUUUUUGACC
t            *********AUGACAGCCCUUCUACGAGUGAUUAGCCUGGUCGUGAUUAGCGUGGUGGUGAUUAUUAUCCCACCGUGCGGGGCUGCACUUGGACGAGGAAAGGCUUAGAAAUC*********AAGCCUUAACGAACUAAGACCCCCGCACCGAAAGGUCCGGGGGUUUUUUUUGGCC
KPN          *********AUGACAGCCCUUCUACGAGUGAUUAGCCUGGUCGUGAUUAGCGUGGUGGUGAUUAUUAUCCCACCGUGCGGGGCUGCACUUGGACGAGGAAAGGCUUAGAAAUC*********AAGCCUUAACGAACUAAGACCCCCGCACCGAAAGGUCCGGGGGUUUUUUUUAUAAC
YP           *********AUGAAAGCAAUUCUCCAAGUGAUUAACCUAGUCCUAAUUAGCGUGGUGGUGAUUAUUAUCCCACCGUGCGGGGCUGCACUUGGACGAAGAAAGGCAUAAAAAUC********AAGCCUUAAUCUCAAGAGAACCCCCGCACCGAAAGGUCCGGGGGUUUUUUAUUGGC
ECA          *********AUGAAAGCAAUUCUCCAAGUGAUUAACCUAGUCCUAAUUAGCGUGGUGGUGAUUAUUAUCCCACCGUGCGGGGCUGCACUUGGACGAAGAAAGGCAUAAAAAUC********AAGCCUUAAUCUCAAGAGAACCCCCGCACCGAAAGGUCCGGGGGUUUUUUAUUGGC
YmolA        *********AUGAAAGCGAUUGUCCAAGUGAUUAACCUAGUCCUAAUUAGCGUGGUGGUGAUUAUUAUCCCACCGUGCGGGGCUGCACUUGGACGAAGAAAGGCAUAAAAAUC********AAGCCUUAAUCUCAAGAGAACCCCCGCACCGAAAGGUCCGGGGGUUUUUUUUAUUGG
YberA        *********AUGAAAGCGUAUGUCCAAGUGAUUAACCUAGUCCUAAUUAGCGUGGUGGUGAUUAUUAUCCCACCGUGCGGGGCUGCACUUGGACGAAGAAAGGCAUAAAAAUC********AAGCCUUAAUCUCAAGAGAACCCCCGCACCGAAAGGUCCGGGGGUUUUUUUUAUUGG
SG           *********AUGAAAGCUGUUGUUCAAGUGAUUAGCCUAGUCGUGAUUAGCGUGGUGGUGAUUAUUAUCCCACCGUGCGGGGCUGCACUUGGACGAAGAAAAGCUUACUAAAAC********AAGCUUAAAUCUCAAGAAAACCCCCGUACCAAC*UGGUCGGGGGUUUUUUUUGGGG
plu          *********AUGAACACAUUUGUCCUAGUGAUUAGCCUAAUUAUUGUCAGCGUGGUGGUGAUUAUUAUCCCACCGAGCGGGGCUGCACUUGGACGAAGAAAGGCUUAGAAGAA*********CAGCCAAAUCUCUCGAAGACCCCCGCACCGAAAGGCGCGGGGGUUUUUUUUCGAC
ESA          *********AUGACAACCCUUCUACUAGUGAUUAGCCUGGUCGUGAUUAGCGUGGUGGUGAUUAUUAACCCACCGUGCGGGGCUGCACUCGGAAGAAGAAAGGCUUAGAAAUC*********AAGCCUGAAUCAUCGAAAACCCCCGCACCGAAAGGUCCGGGGGUUUUUUUUAUGAC
AHA          ******************AUGGCCUCCCGUUUCGUCAGCAUUAUUGUGGUCCUAGUGGUGAUUAUUAUCUCACCGCUCGGGGCUCGUUUAGCUGCACGGAACAAGGGAUAGACCCACCACCGGACAGAACGAAACAAGCGACCCCCGAGCCUCACAGCUCGGGGGUUUUUUUUCGAC
ASA          ******************AUGGCCUCCCGUUUCGUCAGCAUUAUUGUGGUCCUAGUGGUGAUUAUUAUCUCACCGCUCGGGGCUCGUUUAGCUGCACGGAACAAGGGAUAGACCCACCACCGGACAGAACGAAACAAGCGACCCCCGAGCCUCACAGCUCGGGGGUUUUUUUUCGAC
VSWAT3       *********AUGAACUUCAACGCUCGCAUUUACGCACUGAUUAACCUGAUUAUCGUAGUCAUUAUUGAGACUGCGCGGGGGCGAGUGGGAAAAAAGUAACCACGAAUUA**************************GAAAAAACCCCCGCACUGACAAGUCCGGGGGUUUUUUCUAAUU
VC0395       *********AUGAACUUGAACGCUCGCAUCAACGCUCUAAUUAACCUAAUUAUCGUGGUCAUUCUAGUGACGACGCGGGGGCGAGUGGGCGAAAAAUAACGUAACCAAAUCC**************************AAAAAAACCCCCGCACUGAAAAGUCCGGGGGUUUUUUUACAAC
A79          *********AUGAACCUAUUCGCUCACAUCAACACACUGCUAGCCCUGAUUAUCGUGGUCAUUAUUGGCACCGCGCGGGGGCUUGUGGGCGAAAGGUAACCACAAAUU**************************ACAAAAAACCCCCGCGCUGAAAAGUCCGGGGGUUUUUUUACAAC
VV           *********AUGAACUUUGCCGCUCAAAUUAACUCUCUGAUUAACCUGAUUAUCGUGGUCCUCAUUAGCACCGCGCGGGGGAGAGUGGGCGCAAAAUAACCACUAGAUU**************************UACAAACCCCCGCACUGAAAAGUUCGGGGGUUUUUUUUCAGC
VF           *********AUGACCUUUUUUGCUCAACUGAAUAUUCUGAUUAUUAACAUUCUAGUGGUGAUUCUGGUCACCGCUCGGGGAUGUGUGAGCAAAAAGUAGAGUUACAAGCAC**********************ACUAAAAACCCCCAAGCCAACAAGCAAGGGGGUUUUUUUUAUAAG
A1Q          *********AUGAACUUAUUCGCUCACAUCACUCACUGCUAGCCCUGAUUAUCGUGGUCAUUAUUGGCACCGCGCGGGGGAUUGUGGGCGAAAGAUAACCACAAAUUA**************************CAAAAAACCCCCGCACUGAGAAGUCCGGGGGUUUUUUUACAAC
VSAK1        *********AUGACUUUUAACGCUCACUCUCGCACUCUGAUUAGCCUGAUUAUUGUGGUCCUGAUUGGUACCGCACGGGGGCAUGUGGGCGGAAAAUAACCACGAGAUU**************************CAAAAAACCCCCGCACUGAAAAGUCCGGGGGUUUUUUUUACAAA
V12G01       *********AUGAACCUUUUCGCUCAUAUCAACGCACUGCUAGCCCUGAUUAUCGUGGUCAUUAUUGGCACCGCGCGGGGUAUUGUGGGCGAAAGGUAACCACAAAUUA**************************CAAAAAACCCCCGCACUGAAAAGUCCGGGGGUUUUUUUUACAAC
VEx2w        *********AUGAACCUUUUCGCUCAUAUCAACGCACUGCUAGCCCUGAUUAUCGUGGUCAUUAUUGGCACCGCGCGGGGUAUUGUGGGCGAAAGGUAACCACAAAUUA**************************CAAAAAACCCCCGCACUGAAAAGUCCGGGGGUUUUUUUUACAAC
V12B01       *********AUGAUUUUUAACGCUCGCAUUUACGCACUGAUUAACCUGAUUAUCGUAGUCAUUAUUAAGACUGCGCGGGGGCGAGUGGGAAGAAAGUAACCACGAAUUA**************************GAAAAAACCCCCGCACUGAAAAGUCCGGGGGUUUUUUUCUAAUU
VAS14        ************AUGCGCUUUAACAACAUCUCUCGUACUCAUUAUUAAUGUCAUUGUGGUGAUUAUGUCACCGCAGCGGGGAUUUGCUGGCGCAAAGUAGCGCAAAAGAC********************GCAAACAAAAAGCCCCCGCACUGAGAAGUUCGGGGGCUUUUUUCAACA
SKA34        ************AUGCGCUUAACAACAUCUCUCGUACUCAUUAUUAAUGUCAUUGUGGUGAUUAUGUCACCGCAGCGGGGAUUUGCUGGCGCAAAGUAGCGCAAGAGAC********************GCAAAUAAAAAGCCCCCGCACUGAGAAGUUCGGGGGCUUUUUUCUCAACA
P3TCK        *********AUGCCAUUUAACGCUAAAGCCCUACAACUCAUUAUUAUCGUCAUCGUGGUGAUUAUGUCACCACGAGGGGAGUGCUAGGCGUUAGGUAGCAAGAAACAUA********************ACAAACGCAUAAGCCCCCGCACUGAAAGGUUCGGGGGCUUUUUUAAAUA
PE36         ************AUGUUUGGGUUUACUUCGCGUCUUAUUAUUGUGGUCAGCAUUCUGGUGGUAAUUAUUAAAUUACCAAGCCGGGGACUUACUGCUAAGCGAAAAUAAGCUU************AAUCCAGCAAUAAGAAAACCCCCGGUUGA***UAACCGGGGUUUUUUUUGUUU
SO           ************AUGUUUAACCAAGCUGCCAAGCUCAUUCUCGUGAUUAUUACCGUCGUGAUUAUUAAAUCACAGCGGGGGCGGCGCAUGGCAAACUGGUAGACCUAAAAGG**********UUAAAAGUUUCGAAAGAACCCCCCGCUCCGAAAGGACCGGGGGGUUCUUCGUUUU
Sputw3181    ************AUGUUUAACCAAGCUGCCAAGCUCAUUCUCGUGAUUAUUACCGUAGUGAUUAUUAAAUCACAGCGGGGGCGGCGCAUGGCAAACUGGUAGACCUAAAAGG**********UUAAAAGUUUCGAAAGAACCCCCCGCUCCGAAAGGACCGGGGGGUUCUUCGUUUU
Sbal195      ************AUGUUUAACCAAGCUGCCAAGCUCAUUCUCGUGAUUAUUACCGUCGUGAUUAUUAAAUCACAGCGGGGGCGGCGCAUGGCGAACUGAUAGACCUAAAAGG**********UUAAAAGUUUCGAAAGAACCCCCCGCUCCGAAAGGACCGGGGGGUUCUUCGUUUC
Sputcn32     ************AUGUUUAACCAAGCUGCCAAGCUCAUUCUCGUGAUUAUUACCGUCGUGAUUAUUAAAUCACAGCGGGGGCGGCGCAUGGCGAACUGAUAGACCUAAAAGG**********UUAAAAGUUUCGAAAGAACCCCCCGCUCCGAAAGGACUCGGGGGGUUCUUCGUUUC
Ssed         ************AUGUUUAACCAAGUCGCCCUGCUCAUUAUUGAGAUUAUUACCGUCGUGAUUAUUAGAUCACAGCGGGGGCUACGCACGGCGCAUCGACAAACCUAAUUAG**********GUAAAAGAUUGCAACUAACCCCCCGCUCCGAAAGGACCGGGGGGUUUUUCGUUUA
Sfri         ************AUGUUAAACCACACAGCCAUUCUCAUUCUCGAAAUUAUUACCGUAGUGAUUAUUAAGUCACAGCGGGGGUGGCGUUUUGGCAACUAGACUGACCUAAGAG***********UCACACAGAUUGCAAAAACCCCCGCUCCGAAAGGACCGGGGGUUUUUUAGUUUU
Sden         ************AUGUUGAACCAAGUCAGCGCCAUUAUCCUCGUGAUUAUUACCGUAGUGAUUAUUAAGUCACAGCGGGGGUGGCGUUUGGCAAUAAAAAUGAUCUAAAAAA*************UCAAACAUUGCAAAAACCCCCGCUCCGAAAGGACCGGGGGUUUUUUCGUUUU
Shew         ************AUGUUUAACCAAGCUGCCCUCCUCAUUAUUGAGAUUAUUACCGUAGUGAUUAUUAAAUCACAGCGGGGGCAUCGCAUGGCGCGUCGACACACCUAAUCAG**********GUCAAGAUUGCAACAAGAACCCCCGCUCCGAAAGGACCGGGGGUUUUUUGUUUUU
Spea         ************AUGUUUAACCAAGCUGCCCAGCUCAUUAUUGUGAUUAUUACCGUCGUGAUUAUUAAAUCACAGCGGGGGCUGCGGCAUAUUGAAUCGACACACCUAAUCUA**********GGUUUAAGAUUGCAAAAACCCCCGCUCCGAAAGGAACGGGGGUUUUUUCUGUAUA
Swoo         ************AUGUUUAACCAAGCCGCCCUACUCAUUAUUGAGAUUAUUACCGUCGUGAUUAUUAAAUCACAGCGGGGGCAAGGCAUGGCAUAUCGACAAACCUAAUUUA**********GGAAAAGAUUGCAACCAACCCCCCGCUCCGAAAGGACCGGGGGUUUUUCGUUUU
Sama         ************GUGUUUAACCAGGCUGCCAAGCUCAUUCUCGUGAUUAUUACCGUAGUGAUUAUUAAAUCACAGCGGGGACGGCGCAUGGCAAACUGACAGACCUAAUCCA********GGAAAGAAGUUGCAGAAAAGCCCCCCGCUCCGACAGGACCGGGGGUUUUCUCGUUUC
CPS          ***************AUGCACAUAUUUAACUCAAUUAUUAUAAACCUUCUCGUCGUGGUGAUUCUUAAAUCAUCUCGAGGGUUUUGUUGAGCUAAAAAAAAGCAUUCAAUC********************AAAUAACAAACCCUCGCUUCGCAAGAACCGAGGGUUUUCUUUUUAG
PSHAa        ***************AUGCUUGCAAAUGCACUAAACCUAGUCCUGAUUAUUAUCGUGGUGAUUAUUCCC***GCGAGGGCUUCGUAGUGCUUUAAAAAACUUAAGC**********************AUUUAAAAGCCCUCCGCACUUAACCGUUCGGGGGGCUUUUUGGUUU
PTD2         ************AUGCUGACAAACACACUUUCUCUAGUCCUAAUUAUUAUCAACGUGGUGAUUAUUAUCACCGCGGGGGCGAGCUAGUGUCUAAGUAAAAUUGCU**********************UAAUCACGAACCCCCCGAACUGAAAAGUCCGGGGGUUUUUUUUGUUUC
Patl         ************************************AUGAUUAACCUUAUUUUAGUUGUAAAUCUCGUAACUCUCUAUUAACGUGGUUGUAAUCUUAUGAAUC**************************GAAAGAUAUAUCCUAAUAUAUUGCUAUAUAUUGGGAUAUAUAUCUCA
ATW7         ***************AUGCUUACAACUGCACUUAAACUAGUCCUGAUUAUUAUCGUGGUGAUUAUUCCCGCGAGGGCUUUGUAGUGCUAUAAACUUGAGCA*****************************UUAAAAAGCCCUCCGCACUUAACAGUUCGGAGGGCUUUUUAGUUU
Ping         ***AUGCAAGUGAAAUUGUUGAAGUUGUCCGCUCAGGCGUCUGUGGUAUUGCGCGUGGUGAAAAAGCAUUACGCGGUUAAUUUCUGACUAAAUGACCAGAUG****************************ACCAUCAAUGCAAAGUUCAGGAA*****UCUGGCUUUGCAUUUUUUC
PCNPT3       ***************AUGUUACAUUUUGUCCUCCUCCCUCAUAAUAAUUAUUAGCGUGGUGAUCAUUGGAUCACAGCGGGGGGACGCACGCAUCGAGAAGACAAAAUAAGGUCU************UCUAAGAUAAAAAAAACCCCCGCUCCGCAAGGAACGGGGGUUUUUUUUGUUU
PM           ************AUGGCAUUACGCCCUGUACUUAGCAUUAUUAUUAACCUCGUGGUGAUUAUUAUCA*CUGCGGGGCGAGCGCGUUAAUGUUUGACUGUCAAUAAAUAA****************AAAAGAUCAAAUUUAACCCUCGUCUGAUAGCAGAUGAGGGUUUUUUUUACUU
HI           *********AUGCGCGACGACCAGAAAAAGUCUCACGCUUUUGUGCUUUUGGAGCUGAGUGCACCAUAAAUUAUCCUAUGUAAAAAAAUGAAAAGAGUUUCAAUAUAAUGAAAUCUAACAAUCAGUCAAUAAGCAAGCUUAAAGAGCGGUAAAAAUUCACUAAAUUUUUUAGGGGA*
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ilvC:

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XC           ACCUUGAACGCUUCACUGCCCGCGCCCAUCGGCGUGCCGGCGUCGCUUCUCGUGCUCGUACUUAUUACCUCGCCAACCGGUGCGGGACGCGGCUUCGUGUAGGCAACAGACAC************ACAAGGCUUCGAUCAGACCCCGCACCGGCAACGGCGCGGGGUUUCGCGUUUC
XOO          ************AUGUCCACGCCCUCUGGCGCGUUGGUUGUGUCGCUUCUCGUGCUCGUACUUAUUACCUCGCCAAUCGGUGCGGGACGAGACUUCGUGUAGGCAACAGAC**************ACAAGGCUUCGAUCAGACCCCGCACCGGCAACGGCGCGGGGUUUCGCGUUUC
Xfaso        GCUUCUUCCAACUGUCUUCCCAAUUCUGCUAUUACGGUAGCCUUUCUUCUUAUACUCGUGCUUAUUGCCUGCCCAAACAGUGGGGGACAGGCCAGCGUGUAAACAACAUACAC*************UCAGGCUUUGAUCAAACCCCGCAUUGGCAACCUUGCGGGGUUUUGUUUUUU
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ilvA:

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Pput         ******************************AUGAAUACAUUCCCGCACGUGAACGCCAUUAUUAUUACCGCCAUUAUCAGCUUGGCGGGCUAGCGCGUACGUGC*********************************ACCGAACCCGCCCUGG******AGGCGGGUUUUUUCUCUC
PSPTO        ****************************AUGAACCUCAUCAAGCAAAACCUCGGCCAGAUUAUUAUUACCGUCAUUCCAGUCAUGGCGGGUUAGCCGACGUUUGC*********************************AAAAAACCCGCCCUGG******AGGCGGGUUUUUUCUGUC
PFL          ****************************AUGACUUUCCCUGCAUAUCGUUUCCAGCCAAGCAUUAUUACCGCCAUUCCUUAUUGGCGGGCUUGCUGAACGACUGCA*********************************CCCAACCCGCCCUGG******AGGCGGGUUUUUUCUCUC
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