Fig. 1

Amino acid sequences of A. calcoaceticus (top) and
A. baumannii (bottom)

```
          .         .         .         .         .
  1 DVPLTPSQFAKAKSENFDKKVILSNLNKPHALLWGPDNQIWLTERATGKI 50
    |:||||.|||||||.|||||||||||||||||||||||||||||||||||
  1 DIPLTPAQFAKAKTENFDKKVILSNLNKPHALLWGPDNQIWLTERATGKI 50
          .         .         .         .         .
 51 LRVNPESGSVKTVFQVPEIVNDADGQNGLLGFAFHPDFKNNPYIYISGTF 100
    ||||| ||| ||||||||||.||||||||||||||||||.||||||||||
 51 LRVNPVSGSAKTVFQVPEIVSDADGQNGLLGFAFHPDFKHNPYIYISGTF 100
          .         .         .         .         .
101 KNPKSTDKELPNQTIIRRYTYNKSTDTLEKPVDLLAGLPSSKDHQSGRLV 150
    ||||||||||||||||||||||.||| |||:||:|||||||||||||||
101 KNPKSTDKELPNQTIIRRYTYNKTTDTFEKPIDLIAGLPSSKDHQSGRLV 150
          .         .         .         .         .
151 IGPDQKIYYTIGDQGRNQLAYLFLPNQAQHTPTQQELNGKDYHTYMGKVL 200
    |||||||||||||||||||||||| |||||||||||| ||||||||||||
151 IGPDQKIYYTIGDQGRNQLAYLFLSNQAQHTPTQQELNSKDYHTYMGKVL 200
          .         .         .         .         .
201 RLNLDGSIPKDNPSFNGVVSHIYTLGHRNPQGLAFTPNGKLLQSEQGPNS 250
    |||||||||||||||||||||||||||||||||| ||||||||||||||
201 RLNLDGSIPKDNPSFNGVVSHIYTLGHRNPQGLAFAPNGKLLQSEQGPNS 250
          .         .         .         .         .
251 DDEINLIVKGGNYGWPNVAGYKDDSGYAYANYSAAANKS.IKDLAQNGVK 299
    ||||||:.|||||||||||||||||||||||||||||| ||| ||||||||:|
251 DDEINLVLKGGNYGWPNVAGYKDDSGYAYANYSAATNKSQIKDLAQNGIK 300
          .         .         .         .         .
300 VAAGVPVTKESEWTGKNFVPPLKTLYTVQDTYNYNDPTCGEMTYICWPTV 349
    || |||||||||||||||||||||||||||||||||||||| |||||||
301 VATGVPVTKESEWTGKNFVPPLKTLYTVQDTYNYNDPTCGEMAYICWPTV 350
          .         .         .         .         .
350 APSSAYVYKGGKKAITGWENTLLVPSLKRGVIFRIKLDPTYSTTYDDAVP 399
    |||||||| |||||| |||||||||||||||||||||||||||| |||:|
351 APSSAYVYTGGKKAIPGWENTLLVPSLKRGVIFRIKLDPTYSTTLDDAIP 400
          .         .         .         .         .
400 MFKSNNRYRDVIASPDGNVLYVLTDTAGNVQKDDGSVTNTLENPGSLIKF 449
    ||||||||||||||:|| ||||||||||||||||||.||||||||||||
401 MFKSNNRYRDVIASPEGNTLYVLTDTAGNVQKDDGSVTHTLENPGSLIKF 450

450 TYKAK 454
    ||  |
451 TYNGK 455
```

Fig. 2

Schematic diagram of the plasmide with gene for s-GDH (pACSGDH)

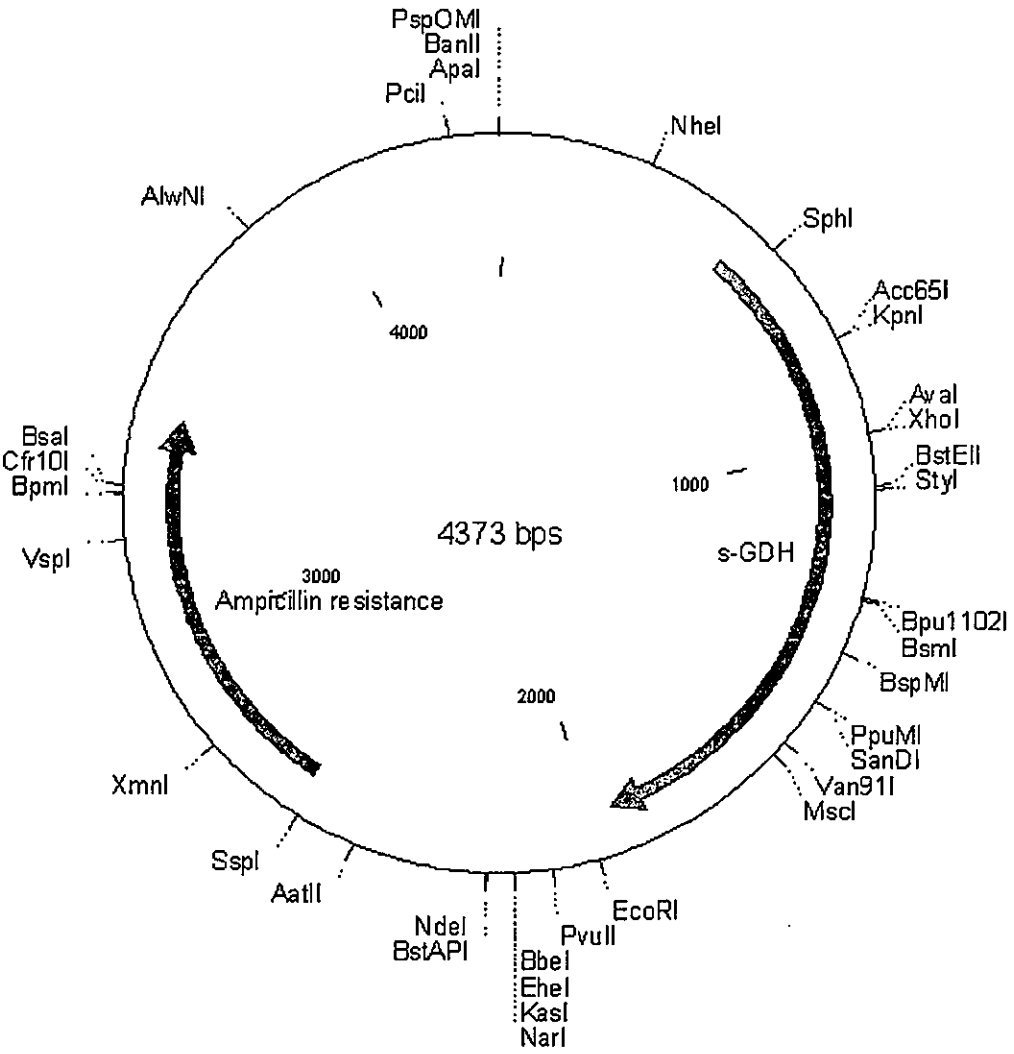


Fig. 3a

Sequence vector pACSGDH

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cactaactga ttacgcaccg catgtaaccg ttttcaatct gtgagtaaat tcacagttta 60
ttaacattgt gatagctatg atgacaacgt ttgtcgcact gtaactaacg tgtaacagtt 120
agttgtcagt tttgctgggg tatttcgctt ataaaaaccg ttatcacaat atcccgcgac 180
taccggacaa aaataaagag ttgaataaga gcttatccca ttagggctat tttacttgcc 240
attttggacc tgggcagtgc tcgccaaaac gcgttagcgt tttgaacgcg ctagcggcgg 300
cccgaagggc gagcgtagcg agtcaaacct cacgtactac gtgtacgctc cggtttttgc 360
gcgctgtccg tgtccaaact gctgcgccaa taacgcctgg tgggataggc tctaaatacg 420
cttcggcgtt cagtaacacg cgttaacgtg ctgaacagcc gggcattttt ttacgctata 480
ccctacataa taaaaccgga gctaccatga ataagaaggt actgaccctt tctgccgtga 540
tggcaagtct gttattcggc gcgcacgcgc atgccgccga tgttcctcta actccatctc 600
aatttgctaa agcgaaatca gagaactttg acaagaaagt tattctatct aatctaaata 660
agccgcacgc gttgttatgg ggaccagata atcaaatttg gttaactgag cgagcaacag 720
gtaagattct aagagttaat ccagagtcgg gtagtgtaaa aacagttttt caggtaccag 780
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aagaattacc gaaccaaacg attattcgtc gttataccta taataaatca acagatacgc 960
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agcttgctta tttgttcttg ccaaatcaag cacaacatac gccaactcaa caagaactga 1140
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ttccaaagga taatccaagt tttaacgggg tggttagcca tatttataca cttggacatc 1260
gtaatccgca gggcttagca ttcactccaa atggtaaatt attgcagtct gaacaaggcc 1320
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ttttttagtt ttagaaaaga attcactggc cgtcgtttta caacgtcgtg actgggaaaa 2040
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acccgctgac gcgccctgac gggcttgtct gctcccggca tccgcttaca gacaagctgt 2340
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acgaaagggc ctcgtgatac gcctattttt ataggttaat gtcatgataa taatggtttc 2460
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ccttgagagt tttcgccccg aagaacgttt tccaatgatg agcacttttа aagttctgct 2820
atgtggcgcg gtattatccc gtattgacgc cgggcaagag caactcggtc gccgcataca 2880
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