

Serratia marcescens strain H3010 autoinducer-2 synthase (luxS) gene, complete cds
GenBank: EF164926.1

FASTA Graphics

Go to:

LOCUS EF164926 516 bp DNA linear BCT 05-SEP-2008

DEFINITION Serratia marcescens strain H3010 autoinducer-2 synthase (luxS) gene, complete cds.

ACCESSION EF164926

VERSION EF164926.1

KEYWORDS .

SOURCE Serratia marcescens

ORGANISM Serratia marcescens
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Yersiniaceae; Serratia.

REFERENCE 1 (bases 1 to 516)

AUTHORS Zhu,H., Sun,S.J. and Dang,H.Y.

TITLE PCR detection of Serratia spp. using primers targeting pfs and luxS genes involved in AI-2-dependent quorum sensing

JOURNAL Curr. Microbiol. 57 (4), 326-330 (2008)

PUBMED 18626692

REFERENCE 2 (bases 1 to 516)

AUTHORS Zhu,H., Cao,X., Shen,Y. and Wei,D.

TITLE Direct Submission

JOURNAL Submitted (06-DEC-2006) Biotechnology College, New World Institute of Biotechnology, 130 Meilong Road, Shanghai 200237, China

FEATURES Location/Qualifiers

source 1..516
/organism="Serratia marcescens"
/mol_type="genomic DNA"
/strain="H3010"
/db_xref="taxon:615"
gene 1..516
/gene="luxS"
CDS 1..516
/gene="luxS"
/codon_start=1
/transl_table=11
/product="autoinducer-2 synthase"
/protein_id="ABM47497.1"

/translation="MPLLDSTVDHTRMAAPAVRVAKTMKTPHGDITVFDLRFRCRPN

LEVMPERGIHTLEHLFAGFMRDHLNGQGVEIIDISPMGCRTGFYMSLIGVP EEQRVAD

AWKAAMADV LKVTDQRKIP ELNEYQCGTYHMSLEEAQEIAKHILDNGVVVNHNDELA
LPKEKLQELHI"

ORIGIN

```
1 atgccattgc tggatagctt taccgtcgat catacccgta tggcagcccc ggctgtccgc
61 gttgcgaaaa ccatgaaaac gcctcatggc gataccatca cgggtattga tctgcgcttt
121 tgccgccccg acctggaagt gatgcccga cgcggcattc acacgctgga acacctgttc
181 gccggcttta tgcgcgacca cctgaacggc cagggcgtgg agattatcga catctcccca
241 atgggctgcc gcaccggttt ctacatgagc ctgatcggcg tgccggaaga gcagcgcgtt
301 gccgatgcct ggaaagcggc gatggccgac gtgctgaaag tgaccgacca gcgcaagatc
361 cctgagctga acgagtacca gtgtggtacc taccacatgc actcgctgga agaagcgcag
421 gaaatcgcca agcacattct ggataacggc gtggtggtga accacaacga cgagctggcg
481 ctgccgaaa agaaagctgc ggagctgcat atctga
```

//