

SARP

SARP (*Streptomyces olindensis* DUAPE 5622)

Forward = TATAT**GCGGCCGC****GCGATCTATGGGGAACG** (NotI)

Reverse = TATAT**CTTAAGT****CAGTAGACCCGCACCG** (EcoRI)

pSET152Ec

Temperatura de anelamento = 61°C (Phusion)

GCGATCTATGGGGAACGTCGTGAAGCTGGGTGTTCTAGGCCCACTTTTCAGTGCAGGT
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CCGCAGGCCGACCGGGGACATCGTGCGCATGTCGTCTCCGGCG**CGGTGCGGGTCTA**
CTGA

genoma: <https://www.ncbi.nlm.nih.gov/nuccore/JJOH01000002>

nucleotídeo: <https://www.ncbi.nlm.nih.gov/nuccore/JJOH01000002.1?from=300044&to=300886>

aminoácidos: <https://www.ncbi.nlm.nih.gov/protein/640937539>

size: 863 pb

Bombas de Efluxo

cosIJ (*S. olindensis* DUAPE 5622) bombas de efluxo

Forward = TATAT**GCGGCCGC****ACCCGAAAGAAGGGGCGG** (mesmo que o de baixo)
(NotI)

Reverse = TATAT**CTTAAGTTACCTGCTCAGGGCCCG** (EcoRI)

pSET152Ec

Temperatura de anelamento 67°C

cosI *cosJ*

ACCCGAAAGAAGGGGCGGGCATGGGCGGCGCCGACCTGGCGATCCAGACCGAAGCT
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GCAGGTAA

size: 1.837 kb

4 Genes de Resistência

cosIJPU (*S. olindensis* DUAPE 5622) bombas de efluxo,

Forward = TATATGCGGCGCGACCCGAAAGAAGGGGCGG (mesmo que o de cima)
(NotI)

Reverse = TATATCTTAAGCTACTGGGCCAGGTAGAGGC
CGGAGATGGACCGGGTCATCGAATTCTATAT
(EcoRI) TATATCTTAAGCTACTGGGCCAGGTAGAGGC

Temperatura de anelamento 67°C (Phusion)

cosI cosJ cosP cosU

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size: 4.827 kb

Incorporação de Malonato

FkbF (*Streptomyces hygroscopicus* sp *ascomyceticus*) di - tricarboxilate transporter similar a MatC de *Rhizobium*

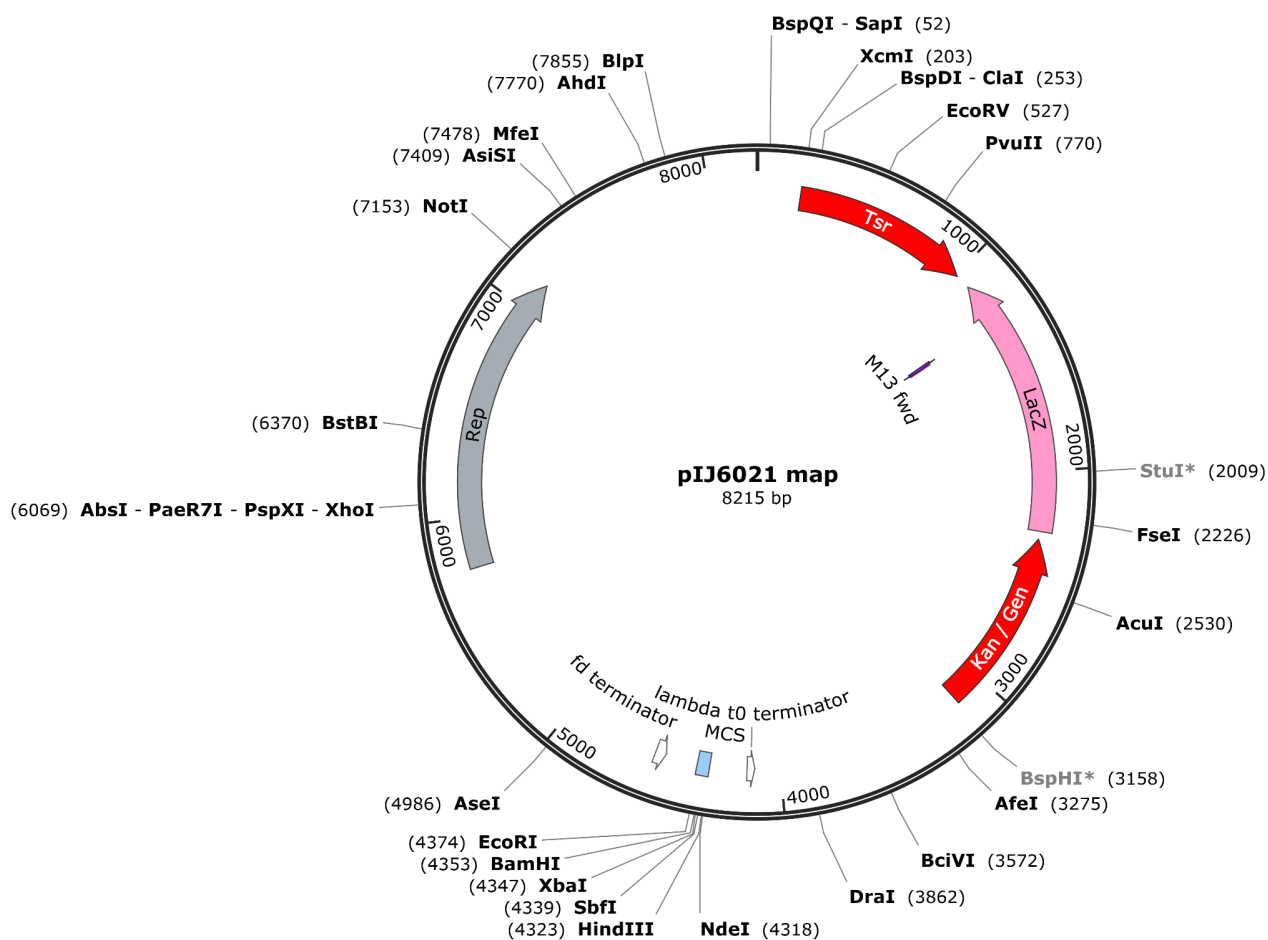
<https://www.ncbi.nlm.nih.gov/nuccore/AF235504.1>

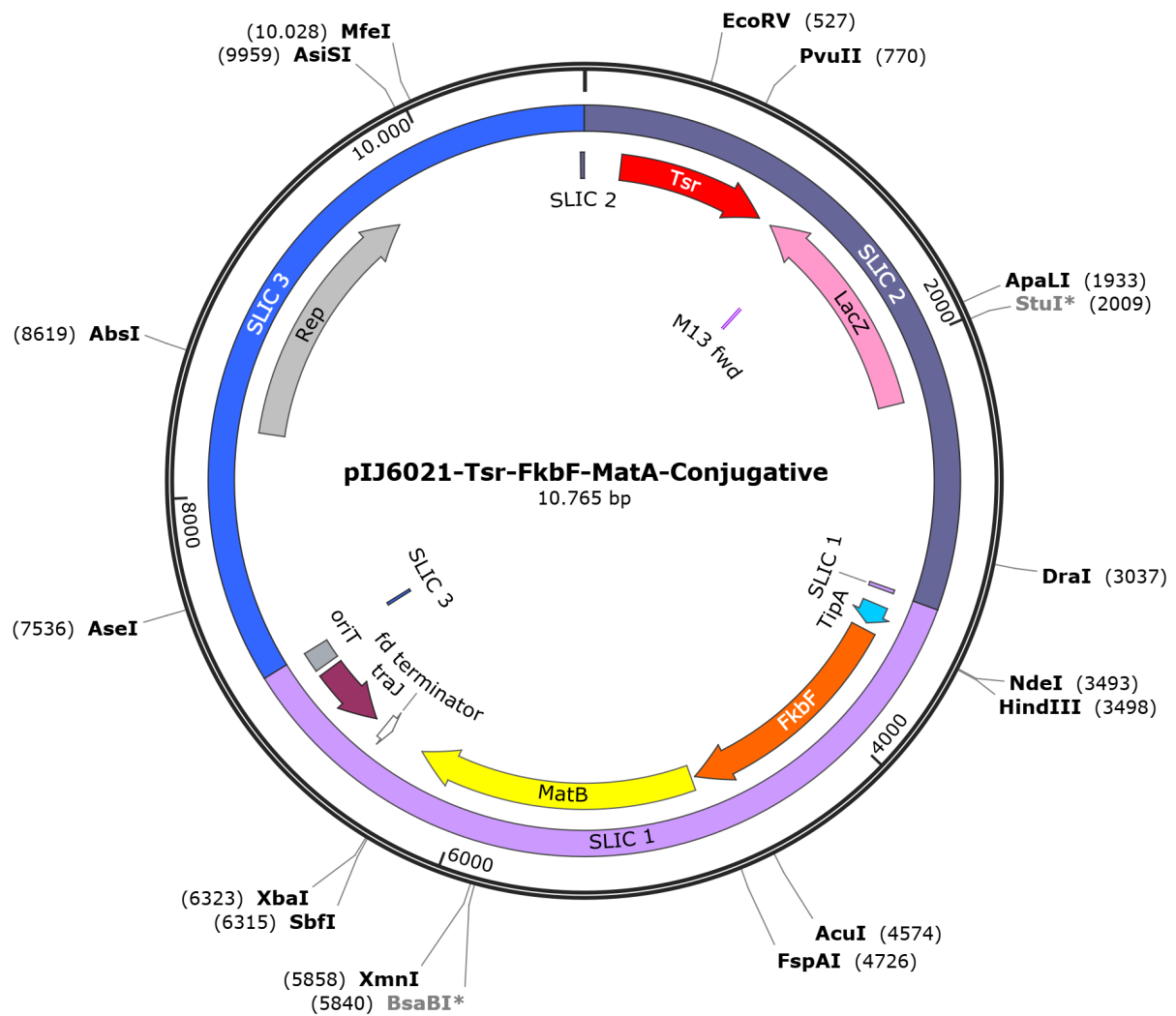
MatA (*Rhizobium leguminosarum* ATCC 14479) malonyl-CoA synthase
RBS

<https://www.ncbi.nlm.nih.gov/nuccore/AM236080.1>

Sítio para conjugação

SLIC





> SLIC 1

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GAATTC → GAGTTT

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