SARP

SARP (*Streptomyces olindensis* DUAFPE 5622)

Forward = TATAT**GCGGCCGC**GCGATCTATGGGGGAACG (NotI)
Reverse = TATAT**CTTAAG**TCAGTAGACCCGCACCG (EcoRI)
pSET152Ec
Temperatura de anelamento = 61°C (Phusion)

GCGATCTATGGGGGAACGTC*GTG*AAGCTGGGTGTTCTAGGCCCACTTTCAGTGCAGGT
CGAAGGTGACCTGCACACTCCGAGCGCACCGAAGATGAGAAGCGTTCTGGCCACACTG
CTGGTACACGCCGACCAGGTGGTACCGGTGTCGTCACTGATACGCGAACTGTGGGACG
AGGAGCCTCCGGTCAGCTGCCTGACCACGCTGCAGACCTACATCCTCAACCTGCGCAA
GCTGCTGGCGTCCGCGACGGGAATGACCGCCCGTCAGGTCGCCGCGGAGATTCTCGT
GACCCGGTCCGGGGGGTACCTGTTCCGGACCACCCAGGGGGACCTGGACGTCCACCG
GTTCCACCAGCTCGTCGCGGACGGACGCAGGGCGCTGTCGTCGGGGGACGACCACG
CCGCGCTGTCCACGCTCTCCAGCGCGCTGCAACTGTGGCGCGGACCCGCCCTCGTCG
ACGTCGTCGCCGGGCGGATCCTCGAAGGGCGCCGCCAGCAGTTCGAGGAGTCCCGG
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TGCTCACCGAGCTCGCGGCGCTGACGGCCGACAACCCGTACCACGAGGGGTTGCACG
CCCAGTACATGCGGGCGCTGTACCTCAACGGCCGGCGGGCGCAGGCCCTGGAGCTCT
TCCAGCGCCTGCGCGTCAACCTGGTGAACCACCTCGGTCTGGAACCCGGACCGATGG
CCCAGGAACTCCATCGCTCCATCCTCAACGCGGAGTCGATCGACGCCCAGGGCAACCT
CCGCAGGCCGACCGGGGACATCGTGCGCATGTCGTCCTCCGGCGCGGTGCGGGTCTA
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* DUAFPE 5622)bombas de efluxo

Forward = TATAT**GCGGCCGC**ACCCGAAAGAAGGGGCGG (mesmo que o de baixo) (NotI)
Reverse =TATAT**CTTAAG**TTACCTGCTCAGGGCCCG (EcoRI
pSET152Ec
Temperatura de anelamento 67°C
cosI *cosJ*

ACCCGAAAGAAGGGGCGGGCATGGGCGGCGCCGACCTGGCGATCCAGACCGAAGCT
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CGAGGCGTCGTCTACGGGCTCCTCGGCCCGAACGGCGCCGGAAAGACCACCGCGGTC
CGCATCCTCTCCACCCTGCTGAAGTACGACGAGGGAACAGCCCGGGTCGCCGGCTAC
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CCGCTCGCGATCTTCGCGGTGTTCTTCCCGCTGGCCGTCCGCAAGTACCGGGCCCTGA
GCAGGTAA

size: 1.837 kb

4 Genes de Resistência

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

Forward = TATAT**GCGGCCGC**ACCCGAAAGAAGGGGCGG (mesmo que o de cima)
(NotI)
Reverse = TATAT**CTTAAG**CTACTGGGCCAGGTAGAGGC
CGGAGATGGACCGGGTCATC**GAATTC**TATAT
(EcoRI) TATATCTTAAGCTACTGGGCCAGGTAGAGGC
Temperatura de anelamento 67°C (Phusion)

cosI *cosJ* *cosP* *cosU*

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size: 4.827 kb

Incorporação de Malonato

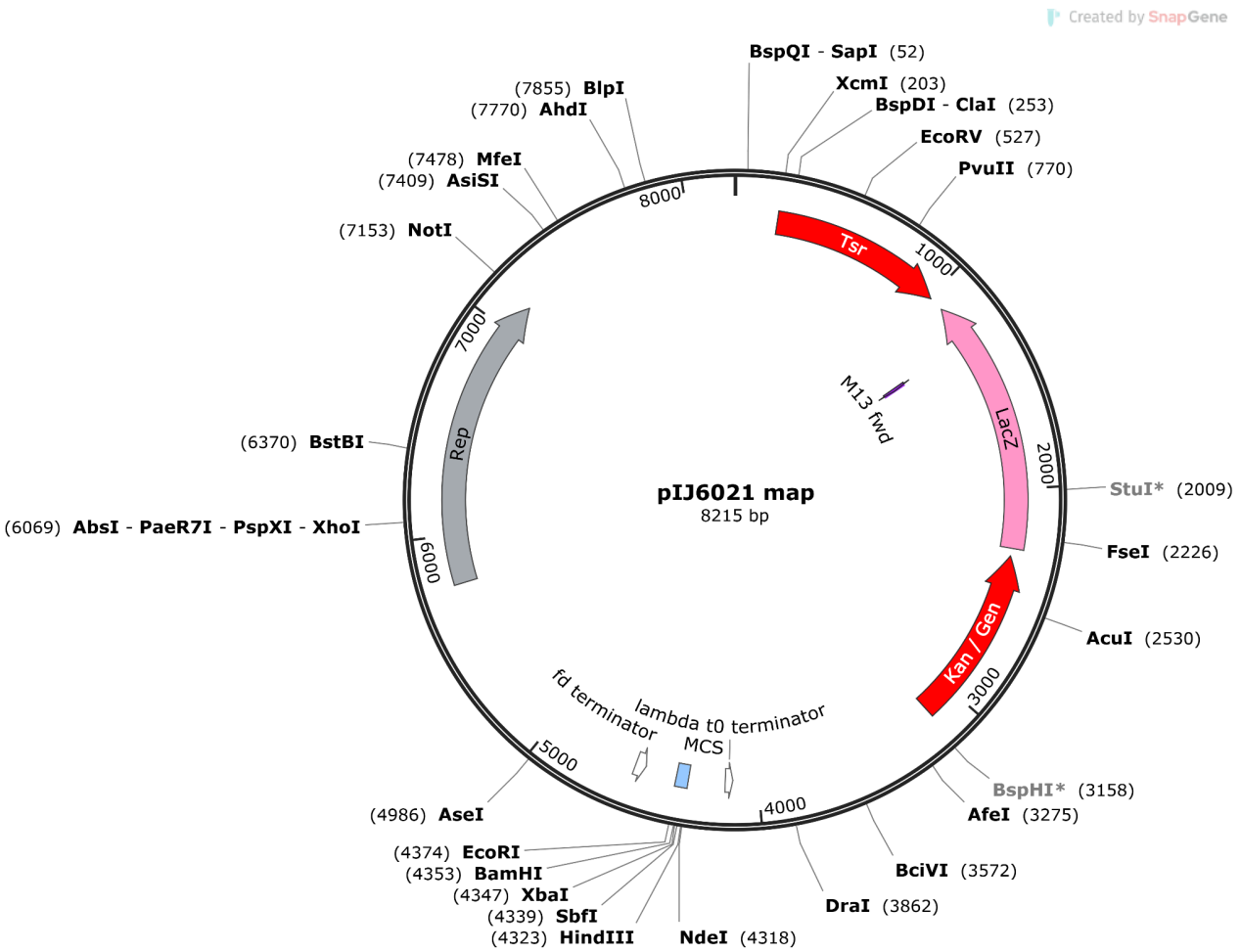
FkbF (*Streptomyces hygroscopicus* sp *ascomyceticus*) di - tricarboxilate transporter similar a MatC de *Rhizobium*

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


Created by SnapGene
pIJ6021 map
8215 bp
BspQI - SapI (52)
XcmI (203)
BspDI - ClaI (253)
EcoRV (527)
PvuII (770)
StuI* (2009)
FseI (2226)
AcuI (2530)
BspHI* (3158)
AfeI (3275)
BciVI (3572)
DraI (3862)
NdeI (4318)
(4323) HindIII
(4339) SbfI
(4347) XbaI
(4353) BamHI
(4374) EcoRI
(4986) AseI
(6069) AbsI - PaeR7I - PspXI - XhoI
(6370) BstBI
(7153) NotI
(7409) AsiSI
(7478) MfeI
(7770) AhdI
(7855) BlpI
1000
2000
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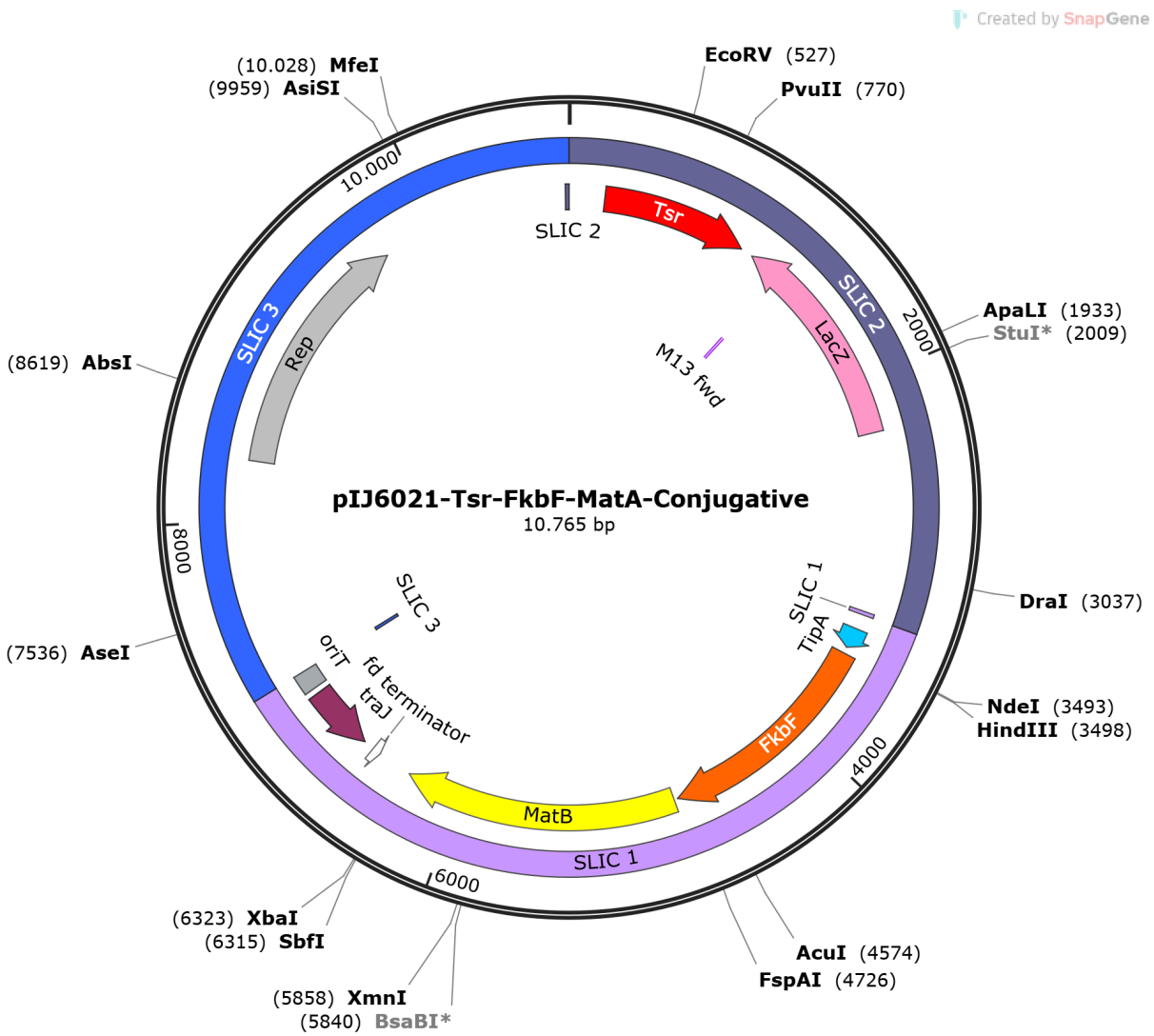
6000
7000
8000
Tsr
LacZ
Kan / Gen
Rep
M13 fwd
fd terminator
lambda t0 terminator
MCS



> SLIC 1

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GAATTC → GAGTTT

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