

BBa_K1114400

Part Summary

This is a MoClo destination vector containing the lacZ alpha fragment for blue-white screening with fusion sites A (GGAG) on the 5' side and site B (TACT) on the 3' side of the part. The fusion site letters refer to 4bp fusion sites. The backbone is a modified version of pSB1C3 with added SpeI site in front of gene, BsaI sites flanking, and 4bp fusion sites.

Sequence

```
actagtactagtggtctcaggagatgtcttctgcaccatattcggtgtgaaataccgcacagatgcgtaaggagaa
aataccgcatcaggcgccattcgccattcaggctgcgcaactgttgggaaggcgatcggtgcgggcctcttcgctat
tacgccagctggcgaaaggggatgtgctgcaaggcgattaagttgggtaaccgagggttttcccagtcacgacgt
tgtaaaacgacggccagtgaattcgagctcggtaccgggatcctctagagtcgacctgcaggcatgcaagcttgg
cgtaatcatggtcatagctgtttcctgtgtgaaattgttatccgctcaccaattccacacaacatacagccggaagcat
aaagtgtaaagcctggggtgcctaagtgtgagctaaactcacattaattgcgttgcgctcactgccgctttccagtc
gggaaacctgtcgtgccagctgcattaatgaatcgggcaacgcgcggggaagacgttactagagacctactagt
```

Part Type

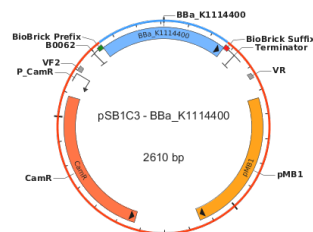
Basic Part

Pigeon Image



lacZa

Plasmid Map



Designer Information

Author(s)	Devina Desai
Date	2013-09-07
Affiliation	Boston University CIDAR
Team	BostonU iGEM 2013
Contact	Traci Haddock

Design Details

Type	Modular Cloning Level 0 destination vector
Vector	pSB1C3
Design Components	Modified pSB1C3 backbone with a lacZ insert
Additional Comments	The backbone confers chloramphenicol resistance

Assembly Information

Assembly Method(s)	Modular Cloning
Chassis	E. coli
Assembly RFC	94
Strain	Bioline-alpha-select
Scars	Yes