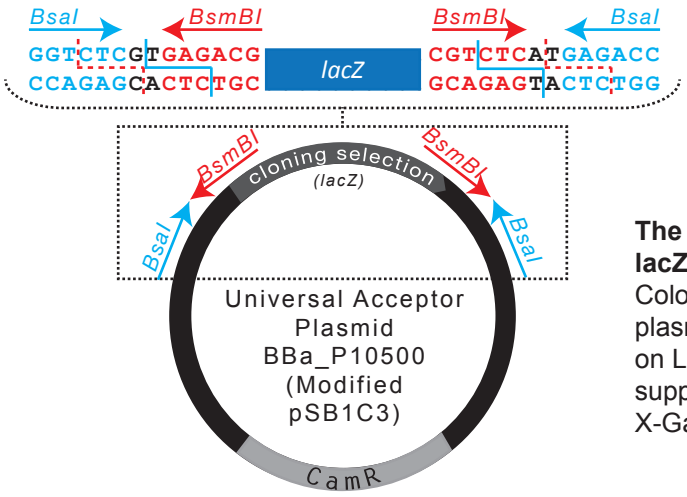
MAKING NEW PARTS IN THE UNIVERSAL ACCEPTOR pUDP2:

The easiest way of making new parts is to use a Universal Acceptor Plasmid such as BBa_P10500 (pUDP2).

The cloning site of BBa_P10500 looks like this:



The cloning selection is through lacZ for blue/white screening. Colonies with the intact pUDP2 plasmid will appear blue in color on LB agar chloramphenicol plates supplemented with IPTG and X-Galactose.

How to use the Universal Acceptor Plasmid

Sequences containing no BsaI or BsmBI sites can be amplified with oligonucleotide primers with 5' overhangs that:

(i) Add BsmBI recognition sequences to allow one step digestion-ligation into BBa_P10500

(ii) Add the desired fusion sites (1234, 5678) that will flank the part when released from P10500 with BsaI.