Primer Design for Beta-lactamase

Bla\_1\_For

GCAT GAATTC GGTCTC A GTGG GA TTCACACAGGAAACC GCAACTCG ATGAGTATTCAACATTTCCG 66bp

4mer EcoRI BsaI a 1234 nn RBS B0029 8mer 20mer of Bla

Bla\_1\_Rev

ATGC CTGCAG GGTCTC A GCCATCCGTAAGATGCTTTT 37bp

4mer PstI BsaI a 1234 20mer of Bla rev

Bla\_2\_For

GCAT GAATTC GGTCTC A TGGCATGACAGTAAGAGAAT 37bp

4mer EcoRI BsaI a 1234 20mer of Bla

Bla\_2\_Rev

ATGC CTGCAG GGTCTC A CCAC GCTAGCACTGTACCTAGGACTGAGCTAGCCGTCAA GATC TTACCAATGCTTAATCAGTG 80bp

4mer PstI BsaI a 1234 promoter J23100 4 20mer of Bla rev



Bla\_2\_Rev B (50bp) ATGC CTGCAG GGTCTC A CCAC GCTAGCACTGTACCTAGGACTGAGCTAGC

Bla\_2\_Rev A (50bp) GTACCTAGGACTGAGCTAGCCGTCAA GATC TTACCAATGCTTAATCAGTG