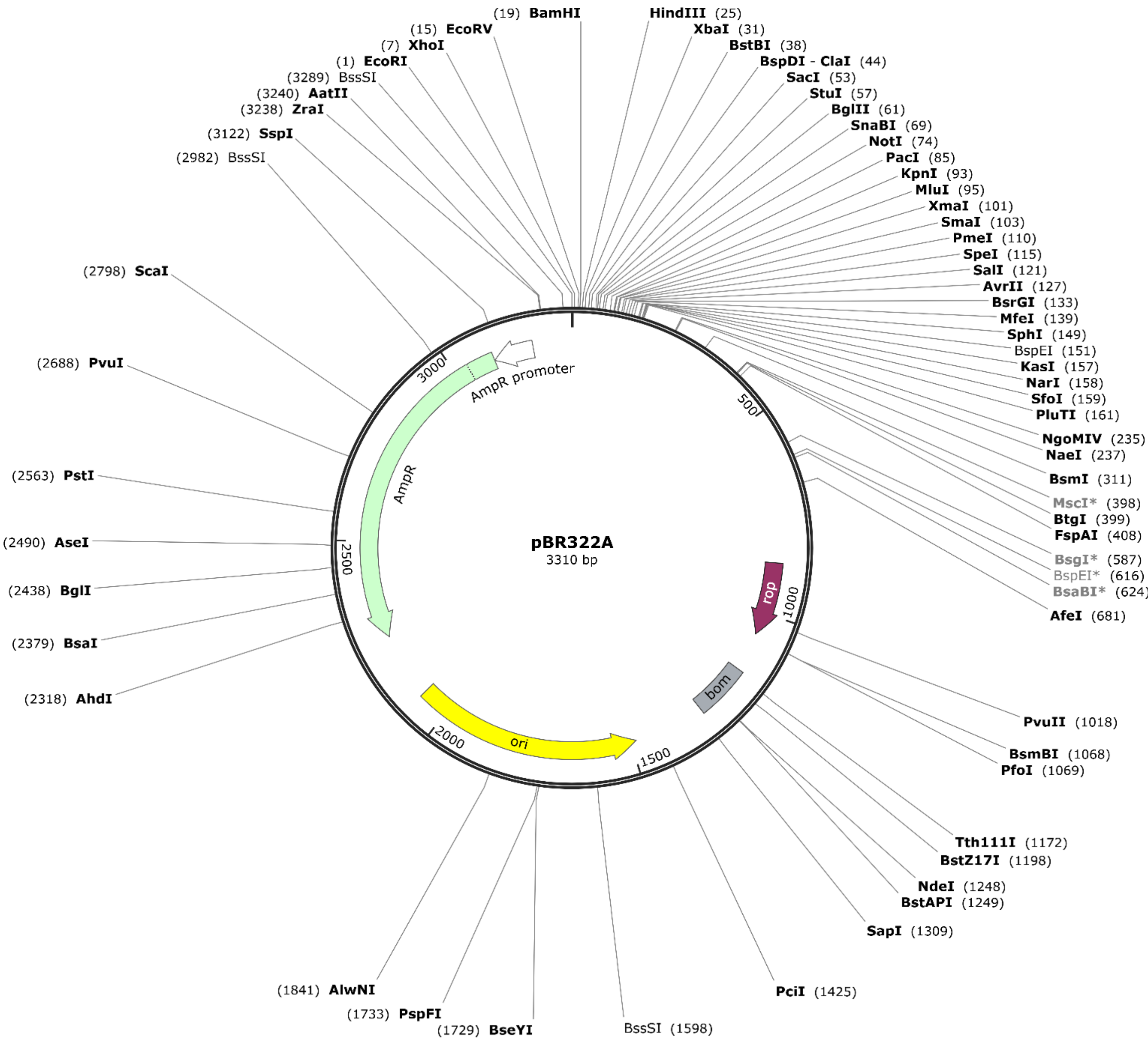
Vector: **pBR322A (**fully sequenced)

Antibiotics: Amp

Creator(s): Yuting Liang, Molecular Oncology Lab of The University of Chicago Medical Center

Date of Construction: July 2025



pBR322A Full Sequence (fully sequenced)

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Zero Cutters in pBR322A

Enzyme	Cuts	Recognition Sequence
AflII	0	CTTAAG
AgeI	0	ACCGGT
AleI	0	CACNNNNGTG
ApaI	0	GGGCCC
AscI	0	GGCGCGCC
AsiSI	0	GCGATCGC
BaeI	0	(N)5(N)10ACNNNNGTAYC(N)7(N)5
BbvCI	0	CCTCAGC
BclI	0	TGATCA

BfuAI	0	ACCTGCNNNNNNNN
BlpI	0	GCTNAGC
BmgBI	0	CACGTC
BmtI	0	GCTAGC
BsaXI	0	NNN(N)9AC(N)5CTCC(N)7NNN
BseRI	0	GAGGAG(N)8NN
BsiWI	0	CGTACG
BspMI	0	ACCTGCNNNNNNNN
BssHII	0	GCGCGC
BstEII	0	GGTNACC
BstXI	0	CCANNNNNNTGG
Bsu36I	0	CCTNAGG
CspCI	0	NN(N)11CAA(N)5GTGG(N)10NN
DraIII	0	CACNNNGTG
EcoNI	0	CCTNNNNNAGG
FseI	0	GGCCGGCC
HpaI	0	GTTAAC
I-CeuI	0	TAACTATAACGGTCCTAAGGTAGCGAA
I-SceI	0	TAGGGATAACAGGGTAAT
Nb.BbvCI	0	CCTCAGC
NcoI	0	CCATGG
NheI	0	GCTAGC
NruI	0	TCGCGA
NsiI	0	ATGCAT
Nt.BbvCI	0	CCTCAGC
PaqCI	0	CACCTGCNNNNNNNN
PI-PspI	0	TGGCAAACAGCTATTATGGGTATTATGGGT
PI-SceI	0	ATCTATGTCGGGTGCGGAGAAAGAGGTAATGAAATGG
PmlI	0	CACGTG
PshAI	0	GACNNNNGTC
PsiI	0	TTATAA
PspOMI	0	GGGCCC
RsrII	0	CGGWCCG
SacII	0	CCGCGG
SbfI	0	CCTGCAGG
SexAI	0	ACCWGGT
SfiI	0	GGCCNNNNNGGCC
SgrAI	0	CRCCGGYG
SrfI	0	GCCCGGGC
SwaI	0	ATTTAAAT
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