

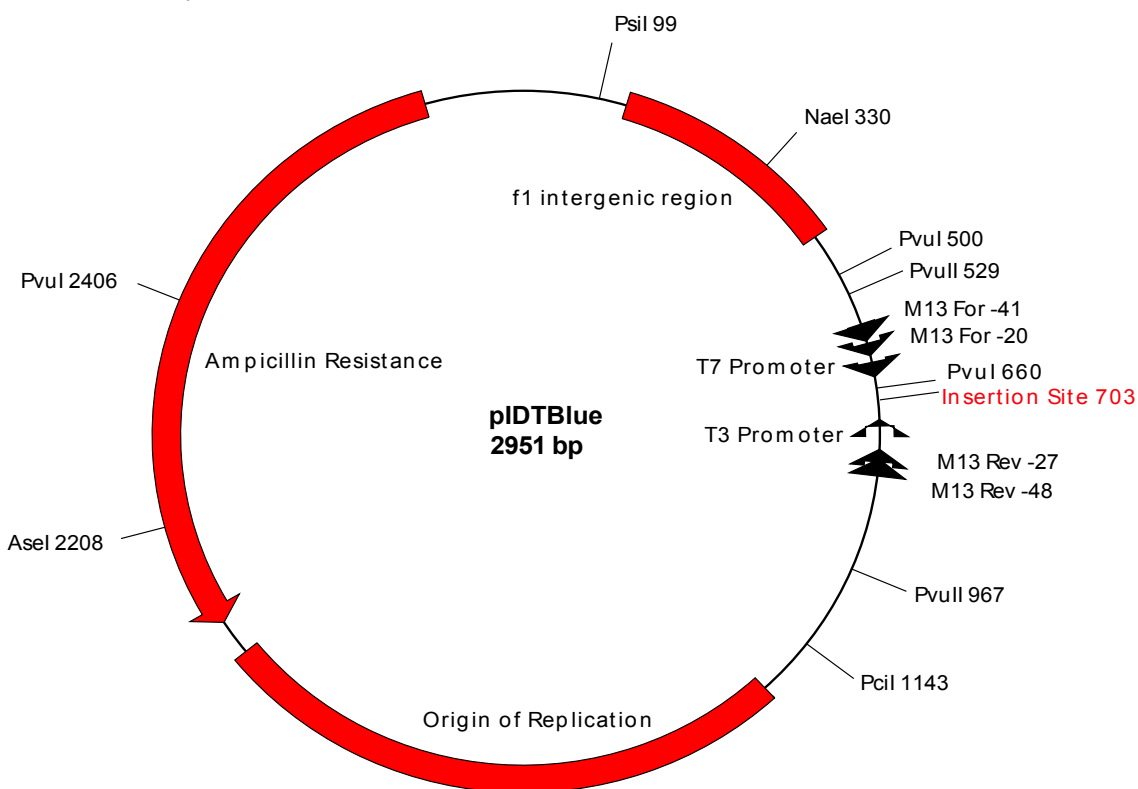


pIDTBlue , Ampicillin resistance

This high copy vector is based on the pBluescript II SK (+) phagemid originally designed for cloning and sequencing as well as *in vitro* transcription (Alting-Mees, 1989). The plasmid contains the f1 intergenic region which allows *cis* activated single strand DNA replication of the sense strand and packaging with the co-expression of a helper phage. The insertion site is flanked by T3 and T7 promoters which can be used for *in vitro* RNA transcription on either strand. The pUC based double-stranded origin of replication begins at base 1143.

Common restriction sites that are NOT present: Apol, AscI, Aval, BamHI, BclI, BglII, BlnI, BsmI, BspEI, BtgI, EagI, EcoRI, EcoRV, HindIII, HpaI, KpnI, MfeI, MluI, MreI, NarI, NcoI, NheI, NotI, Nrul, NsiI, NspI, PacI, PaeI, PstI, PstII, PvuII, SacI, SacII, SalI, SbfI, SexAI, SgrDI, SmaI, SrfI, SspI, StuI, StyI, TliI, XbaI, XhoI, XmaI, ZraI

For a complete list of restriction sites, see www.idtdna.com



Sequence surrounding the insertion site:

	M13 Forward -41	M13 Forward -20		T7 Promoter
1	CGCCAGGGTT TTCCAGTCA	CGACGTTGTA AAACGACGGC	CAGTGAGCGC	CGGTAATACG ACTCACTATA GGGCGAATTG
	GCGGTCCCAA AAGGGTCAGT	GCTGCAACAT TTTGCTGCCG	GTCACTCGCG	CGCATTATGC TGAGTGATAT CCCGCTTAAC
81	GGTACGATCG ATCCGGCCGC	CGGAGGGTTG CGTTTGAGAC	GGGCGACAGA T	GENE ATCACTACT GGACCGCGAG
	CCATGCTAGC TAGGCCGGCG	GCCTCCCAAC GCAAACCTCTG	CCCCTGTCT A	GENE TAGTGATGA CCTGGCGCTC
151	CTGTGCTGCG ACCCGTGATA	TGCAGCTCCA GCTTTTGTTC	CCTTTAGTGA GGGTTAATTG	CGCGCTTGGC GTAATCATGG
	GACACGACGC TGGGCACTAT	ACGTCGAGGT CGAAAACAAG	GGAAATCACT	CCCAATTAAC GCGCGAACCG CATTAGTACC
				T3 Promoter
231	TCATAGCTGT TTCCTGTGTG	AAATTGTTAT CCGCT		
	AGTATCGACA AAGGACACAC	TTTAAACAATA GCGCA		
	M13 Reverse -27	M13 Reverse -48		