

Plasmid	Matrix	Primers
A3Bc	A3Bi7	For : 5'-CACCATGGATCCAGACACATTCACCTTCACTTCA-3' Rev : 5'-GTTTCCCTGATTCTGGAGAAT-3'
A3BnA	Puc57-A3BnA	For : 5'-CACCATGAATCCACAGATCAGAAATCCGATGGAGC-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
A3BnA1	A3BnA	For : 5'-CACCATGAATCCACAGATCAGAAATCCG-3' Rev : 5'-GCCATTGTCCAGGCGCTCCACTTCGTAGCACAG-3'
	A3Bi7	For : 5'-CTGTGCTACGAAGTGGAGCGCCTGGACAATGGC-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
A3BnA2	A3BnA	For : 5'-CACCATGAATCCACAGATCAGAAATCCG-3' Rev : 5'-GCCATTGTCCAGGCGCTCCACTTCGTAGCACAG-3'
	A3Bi7	For : 5'-CTGTGCTACGAAGTGGAGCGCCTGGACAATGGC-3' Rev : 5'-TATAAGGAGGCGCTGCAAATGCTGCGGGATGCT-3'
A3BnA3	A3Bi7	For : 5'-CACCATGAATCCACAGATCAGAAATCCG-3' Rev : 5'-AGCATCCCGCAGCATTTCAGCGCCTCCTTATA-3'
	A3BnA	For : 5'-TATAAGGAGGCGCTGCAAATGCTGCGGGATGCT-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
A3BnA1-2	A3BnA	For : 5'-CACCATGAATCCACAGATCAGAAATCCG-3' Rev : 5'-AGCATCCCGCAGCATTTCAGCGCCTCCTTATA-3'
	A3Bi7	For : 5'-TATAAGGAGGCGCTGCAAATGCTGCGGGATGCT-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
A3BnA1-3	A3BnA	For : 5'-CACCATGAATCCACAGATCAGAAATCCG-3' Rev : 5'-AGCATCCCGCAGCATTTCAGCGCCTCCTTATA-3'
	A3Bi7	For : 5'-TATAAGGAGGCGCTGCAAATGCTGCGGGATGCT-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
A3BnA2-3	A3Bi7	For : 5'-CACCATGAATCCACAGATCAGAAATCCG-3' Rev : 5'-GCCATTGTCCAGGCGCTCCACTTCGTAGCACAG-3'
	A3BnA	For : 5'-CTGTGCTACGAAGTGGAGCGCCTGGACAATGGC-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
A3Bc1	A3BnA1	For : 5'-CACCATGGATCCACACATATTCACTTCC-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
A3Bc1-2	A3BnA1-2	
A3Bc1-3	A3BnA1-3	
A3Bc2	A3BnA2	For : 5'-CACCATGGATCCACACATATTCACTTCC-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
A3Bc2-3	A3BnA2-3	
A3Bc3	A3BnA3	
Rhesus-A3B	Puc57-RhesusA3B	For : 5'-CACCATGAATCCACAGATCAGAAATCCG-3' Rev : 5'-GTTTCCCTGATTCTGGAGAATGGC-3'
Rhesus-A3Bc	Puc57-RhesusA3B	For : 5'-CACCATGGATCCAGACACGTTCACTTCAA-3' Rev : 5'-GTTTCCCTGATTCTGGAAGAGCAGGGGGTTG-3'
Rhesus-A3Ap2	Rhesus-A3A	For : 5'-CACCATGGATCCAAACACGTTCACTTCAAC-3' Rev : 5'-GTTTCCCTGATTCTGGAGAATGGC-3'
A3Ap2HI16DT	A3A	For : 5'-CACCATGGATCCAGACACATTCACTT-3' Rev : 5'-GTTTCCCTGATTCTGGAGAATGGC-3'
A3BcD96H	A3Bc	For : 5'-CACCATGGATCCACACACATTCACTT-3' Rev : 5'-GTTTCCCTGATTCTGGAGAAT-3'
A3BcT97I	A3Bc	For : 5'-CACCATGGATCCAGACATATTCACTT-3' Rev : 5'-GTTTCCCTGATTCTGGAGAAT-3'

Table T1. Compendium of primers used to generate A3A/A3B chimeras coding sequences for pcDNA3.1 TOPO TA V5 cloning.

Plasmid	Matrix	Primers
A3BDT196HI	A3Bi7	For : 5'-TACCTGATGGATCCAC CACAT ATTCACTTTCACCTTT-3' Rev : 5'-AAAGTTGAAAGTGAAT TATGTG TGGATCCATCAGGTA-3'
A3BF200S	A3Bi7	For : 5'-CCAGACACATTCACT TCCA ACTTTAATAATGAC-3' Rev : 5'-GTCATTATTAAGTT GGA AGTGAATGTGTCTGG-3'
A3BAPLV	A3Bi7	For : 5'-TTCAACTTTAATAATGACCTTCGACGGCCAGACC-3' Rev : 5'-GGTCTGGCCCGTCGAAGGTCATTATTAAGTTGAA-3'
A3BDPLVLR205GIG	A3Bi7	For : 5'-TTCAACTTTAATAAT GGCATTGG ACGGCCAGACCTAC-3' Rev : 5'-GTAGTCTGGCCCG TCCAATGCC ATTATTAAGTTGAA-3'
A3BRQ212HK	A3Bi7 A3BDT196HI	For : 5'-TTGGTCCTTCGACGG CATAAG ACCTACTTGTGTAT-3' Rev : 5'-ATAGCACAAAGTAGGT CTTATG CCGTCGAAGGACCAA-3'
A3BWVL228SVK	A3Bi7	For : 5'-CTGGACAATGGCAC CTCGGTCA AGATGGACCAGCACATG-3' Rev : 5'-CATGTGCTGGTCCAT CTTGACC GAGGTGCCATTGTCCAG-3'
A3BM235R	A3Bi7	For : 5'-CTGATGGACCAGCAC AGGGG CTTTCTATGCAAC-3' Rev : 5'-GTTGCATAGAAAGCC CTGTG CTGGTCCATCAG-3'
A3BC239H	A3Bi7	For : 5'-CACATGGGCTTTCTAC ACA ACGAGGCTAAGAAT-3' Rev : 5'-ATTCTTAGCCTCGTT GTG TAGAAAGCCATGTG-3'
A3BE241Q	A3Bi7	For : 5'-GGCTTTCTATGCAAC CAGG CTAAGAATCTTCTCTGT-3' Rev : 5'-ACAGAGAAGATTCT TAGC CTGGTTGCATAGAAAGCC-3'
A3BCNE239HNQ	A3Bi7	For : 5'-CACATGGGCTTTCTAC ACA ACCAGGCTAAGAATCTTCTCTGT-3' Rev : 5'-ACAGAGAAGATTCT TAGC CTGGTTGTGTAGAAAGCCATGTG-3'
A3BEY342KH	A3Bi7	For : 5'-ACCTACGATGAGTTT AAGCA CTGCTGGGACACCTTT-3' Rev : 5'-AAAGGTGTCCAGCAG TGCTT AAACTCATCGTAGGT-3'
A3BYR350DH	A3Bi7	For : 5'-TGGGACACCTTTGTGG ACCACC CAGGGATGTCCCTTC-3' Rev : 5'-GAAGGGACATCCCTGG TGGT CCACAAGGTGTCCCA-3'
A3BE363D	A3Bi7	For : 5'-CCCTGGGATGGACTAG ATG AGCACAGCCAAGCC-3' Rev : 5'-GGCTTGGCTGTGCT CATC TAGTCCATCCCAGGG-3'
A3BcR212H	A3Bc	For : 5'-TTGGTCCTTCGACGG CATCAG ACCTACTTGTGTAT-3' Rev : 5'-ATAGCACAAAGTAGGT CTGATG CCGTCGAAGGACCAA-3'
A3BcQ213K	A3Bc	For : 5'-TTGGTCCTTCGACGG CGCAAG ACCTACTTGTGTAT-3' Rev : 5'-ATAGCACAAAGTAGGT CTTGCG CCGTCGAAGGACCAA-3'

Table T2. Compendium of primers used for site directed mutagenesis on A3B expression plasmids.