

pcDNA.3.1(-)/myc-His B

1	GACGGATCGG	GAGATCTCCC	GATCCCCCTAT	GGTGCACCTCT	CAGTACAATC
	CTGCCTAGCC	CTCTAGAGGG	CTAGGGGATA	CCACGTGAGA	GTCATGTTAG
51	TGCTCTGATG	CCGCATAGTT	AAGCCAGTAT	CTGCTCCCTG	CTTGTGTGTT
	ACGAGACTAC	GGCGTATCAA	TTCGGTCATA	GACGAGGGAC	GAACACACAA
101	GGAGGTCGCT	GAGTAGTGCG	CGAGCAAAAT	TTAAGCTACA	ACAAGGCAAG
	CCTCCAGCGA	CTCATCACGC	GCTCGTTTTA	AATTCGATGT	TGTTCCGTTT
151	GCTTGACCGA	CAATTGCATG	AAGAATCTGC	TTAGGGTTAG	GCGTTTTGCG
	CGAACTGGCT	GTTAACGTAC	TTCTTAGACG	AATCCCAATC	CGCAAAACGC
CMV promoter					
201	CTGCTTCGCG	ATGTACGGGC	CAGATATACG	CGTTGACATT	GATTATTGAC
	GACGAAGCGC	TACATGCCCG	GTCTATATGC	GCAACTGTAA	CTAATAACTG
CMV promoter					
251	TAGTTATTAA	TAGTAATCAA	TTACGGGGTC	ATTAGTTCAT	AGCCCATATA
	ATCAATAATT	ATCATTAGTT	AATGCCCCAG	TAATCAAGTA	TCGGGTATAT
CMV promoter					
301	TGGAGTTCCG	CGTTACATAA	CTTACGGTAA	ATGGCCCGCC	TGGCTGACCG
	ACCTCAAGGC	GCAATGTATT	GAATGCCATT	TACCGGGCGG	ACCGACTGGC
CMV promoter					
351	CCCAACGACC	CCCGCCCAT	GACGTCAATA	ATGACGTATG	TTCCCATAGT
	GGGTTGCTGG	GGGCGGGTAA	CTGCAGTTAT	TACTGCATAC	AAGGGTATCA
CMV promoter					
401	AACGCCAATA	GGGACTTTCC	ATTGACGTCA	ATGGGTGGAG	TATTTACGGT
	TTGCGGTTAT	CCCTGAAAGG	TAAGTGCAGT	TACCCACCTC	ATAAATGCCA
CMV promoter					
451	AAACTGCCCA	CTTGGCAGTA	CATCAAGTGT	ATCATATGCC	AAGTACGCC
	TTTGACGGGT	GAACCGTCAT	GTAGTTCACA	TAGTATACGG	TTCATGCGGG
CMV promoter					
501	CCTATTGACG	TCAATGACGG	TAAATGGCCC	GCCTGGCATT	ATGCCCAGTA
	GGATAACTGC	AGTTACTGCC	ATTTACCGGG	CGGACCGTAA	TACGGGTCAT
CMV promoter					
551	CATGACCTTA	TGGGACTTTC	CTACTTGGCA	GTACATCTAC	GTATTAGTCA
	GTACTGGAAT	ACCCTGAAAG	GATGAACCGT	CATGTAGATG	CATAATCAGT
CMV promoter					
601	TCGCTATTAC	CATGGTGATG	CGTTTTTGGC	AGTACATCAA	TGGGCGTGGA
	AGCGATAATG	GTACCACTAC	GCCAAAACCG	TCATGTAGTT	ACCCGCACCT
CMV promoter					
651	TAGCGGTTTTG	ACTCACGGGG	ATTTCCAAGT	CTCCACCCCA	TTGACGTCAA
	ATCGCCAAAC	TGAGTGCCCC	TAAAGGTTCA	GAGGTGGGGT	AACTGCAGTT
CMV promoter					
701	TGGGAGTTTTG	TTTTTGGCACC	AAAATCAACG	GGACTTTCCA	AAATGTCGTA
	ACCCTCAAAC	AAAACCGTGG	TTTTAGTTGC	CCTGAAAGGT	TTTACAGCAT
CMV promoter					
751	ACAACCTCCGC	CCCATTGACG	CAAATGGGCG	GTAGGCGTGT	ACGGTGGGAG
	TGTTGAGGCG	GGGTAACGTC	GTTTACCCGC	CATCCGCACA	TGCCACCCTC
CMV promoter					
801	GTCTATATAA	GCAGAGCTCT	CTGGCTAACT	AGAGAACCCA	CTGCTTACTG
	CAGATATATT	CGTCTCGAGA	GACCGATTGA	TCTCTTGGGT	GACGAATGAC

T7

CMV promoter

851 GCTTATCGAA ATTAATACGA CTCACTATAG GGAGACCCAA GCTGGCTAGC
CGAATAGCTT TAATTATGCT GAGTGATATC CCTCTGGGTT CGACCGATCG

901 GTTTAAACGG GCCCTCTAGA CTCGAGCGGC CGCCACTGTG CTGGATATCT
CAAATTTGCC CGGGAGATCT GAGCTCGCCG GCGGTGACAC GACCTATAGA

IDH1

EcoRI

951 GCAGAATTCA TGTCCAAAAA AATCAGTGGC GGTTCTGTGG TAGAGATGCA
CGTCTTAAGT ACAGGTTTTT TTAGTCACCG CCAAGACACC ATCTCTACGT

IDH1

1001 AGGAGATGAA ATGACACGAA TCATTTGGGA ATTGATTAAG GAGAACTCA
TCCTCTACTT TACTGTGCTT AGTAAACCCT TAACCTAATTT CTCTTTGAGT

IDH1

1051 TTTTTCCCTA CGTGGGAATTG GATCTACATA GCTATGATTT AGGCATAGAG
AAAAAGGGAT GCACCTTAAC CTAGATGTAT CGATACTAAA TCCGTATCTC

IDH1

1101 AATCGTGATG CCACCAACGA CCAAGTCACC AAGGATGCTG CAGAAGCTAT
TTAGCACTAC GGTGGTTGCT GGTTCAGTGG TTCCCTACGAC GTCTTCGATA

IDH1

1151 AAAGAAGCAT AATGTTGGCG TCAAATGTGC CACTATCACT CCTGATGAGA
TTTCTTCGTA TTACAACCGC AGTTTACACG GTGATAGTGA GGACTACTCT

IDH1

1201 AGAGGGTTGA GGAGTTCAAG TTGAAAACAAA TGTGGAAATC ACCAAATGGC
TCTCCCAACT CCTCAAGTTC AACTTTGTTT ACACCTTTAG TGGTTTACC

IDH1

1251 ACCATACGAA ATATTCTGGG TGGCACGGTC TTCAGAGAAG CCATTATCTG
TGGTATGCTT TATAAGACCC ACCGTGCCAG AAGTCTCTTC GGTAAATAGAC

IDH1

1301 CAAAAATATC CCCC GGCTTG TGAGTGGATG GGTA AACCT ATCATCATAG
GTTTTTATAG GGGCCGAAC ACTCACCTAC CCATTTTGA TAGTAGTATC

IDH1

1351 GTCGTCATGC TTATGGGGAT CAATACAGAG CAACTGATTT TGTGTTTCCT
CAGCAGTACG AATACCCCTA GTTATGTCTC GTTGACTAAA ACAACAAGGA

IDH1

1401 GGGCCTGGAA AAGTAGAGAT AACCTACACA CCAAGTGACG GAACCCAAAA
CCCGGACCTT TTCATCTCTA TTGGATGTGT GGTTCACTGC CTTGGGTTTT

IDH1

1451 GGTGACATAC CTGGTACATA ACTTTGAAGA AGGTGGTGGT GTTGCCATGG
CCACTGTATG GACCATGTAT TGAAACTTCT TCCACCACCA CAACGGTACC

IDH1

1501 GGATGTATAA TCAAGATAAG TCAATTGAAG ATTTTGCACA CAGTTCCTTC
CCTACATATT AGTTCATATC AGTTAACTTC TAAAACGTGT GTCAAGGAAG

IDH1

1551 CAAATGGCTC TGTCTAAGGG TTGGCCTTTG TATCTGAGCA CAAAAACAC
GTTTACCGAG ACAGATTCCC AACCGGAAAC ATAGACTCGT GGTTTTTGTG

IDH1

1601 TATTCTGAAG AAATATGATG GCGTTTTTAA AGACATCTTT CAGGAGATAT
ATAAGACTTC TTTATACTAC CCGCAAAATT TCTGTAGAAA GTCCTCTATA

	IDH1				
1651	ATGACAAGCA	GTACAAGTCC	CAGTTTGAAG	CTCAAAAGAT	CTGGTATGAG
	TACTGTTCGT	CATGTTCAGG	GTCAAAC TTC	GAGTTTTCTA	GACCATACTC
	IDH1				
1701	CATAGGCTCA	TCGACGACAT	GGTGGCCCAA	GCTATGAAAT	CAGAGGGAGG
	GTATCCGAGT	AGCTGCTGTA	CCACCGGGTT	CGATACTTTA	GTCTCCCTCC
	IDH1				
1751	CTTCATCTGG	GCCTGTAAAA	ACTATGATGG	TGACGTGCAG	TCGGACTCTG
	GAAGTAGACC	CGGACATTTT	TGATACTACC	ACTGCACGTC	AGCCTGAGAC
	IDH1				
1801	TGGCCCAAGG	GTATGGCTCT	CTCGGCATGA	TGACCAGCGT	GCTGGTTTGT
	ACCGGGTTCC	CATACCGAGA	GAGCCGTACT	ACTGGTTCGA	CGACCAAACA
	IDH1				
1851	CCAGATGGCA	AGACAGTAGA	AGCAGAGGCT	GCCCACGGGA	CTGTAACCCG
	GGTCTACCGT	TCTGTCATCT	TCGTCTCCGA	CGGGTGCCCT	GACATTGGGG
	IDH1				
1901	TCACTACCGC	ATGTACCAGA	AAGGACAGGA	GACGTCCACC	AATCCCATTG
	AGTGATGGCG	TACATGGTCT	TTCCTGTCCT	CTGCAGGTGG	TTAGGGTAAC
	IDH1				
1951	CTTCCATTTT	TGCCTGGACC	AGAGGGTTAG	CCCACAGAGC	AAAGCTTGAT
	GAAGGTA AAA	ACGGACCTGG	TCTCCCAATC	GGGTGTCTCG	TTTCGAACTA
	IDH1				
2001	AACAATAAAG	AGCTTGCCTT	CTTTGCAAAT	GCTTTGGAAG	AAGTCTCTAT
	TTGTTATTTT	TCGAACGGAA	GAAACGTTTA	CGAAACCTTC	TTCAGAGATA
	IDH1				
2051	TGAGACAATT	GAGGCTGGCT	TCATGACCAA	GGACTTGGCT	GCTTGCATTA
	ACTCTGTTAA	CTCCGACCGA	AGTACTGGTT	CCTGAACCGA	CGAACGTAAT
	IDH1				
2101	AAGGTTTACC	CAATGTGCAA	CGTTCTGACT	ACTTGAATAC	ATTTGAGTTC
	TTCCAAATGG	GTTACACGTT	GCAAGACTGA	TGAACTTATG	TAAACTCAAG
	IDH1				
2151	ATGGATAAAC	TTGGAGAAAA	CTTGAAGATC	AAACTAGCTC	AGGCCAAACT
	TACCTATTTG	AACCTCTTTT	GAAC TTCTAG	TTTGATCGAG	TCCGGTTTGA
	IDH1	BamHI	Flag		
2201	TGTGGATCCC	GATTACAAGG	ATGACGACGA	TAAGTAGAAG	CTTCTAGAA
	ACACCTAGGG	CTAATGTTCC	TACTGCTGCT	ATTCATCTTC	GAAAGATCTT
2251	CAAAA ACTCA	TCTCAGAAGA	GGATCTGAAT	AGCGCCGTCG	ACCATCATCA
	GTTTTT GAGT	AGAGTCTTCT	CCTAGACTTA	TCGCGGCAGC	TGGTAGTAGT
2301	TCATCATCAT	TGAGTTTAAA	CGGTCTCCAG	CTTAAGTTTA	AACCGCTGAT
	AGTAGTAGTA	ACTCAAATTT	GCCAGAGGTC	GAATTCAAAT	TTGGCGACTA
	BGH pA				
2351	CAGCCTCGAC	TGTGCCTTCT	AGTTGCCAGC	CATCTGTTGT	TTGCCCTCC
	GTCGGAGCTG	ACACGGAAGA	TCAACGGTCG	GTAGACAACA	AACGGGGAGG
	BGH				
	BGH pA				
2401	CCCGTGCCTT	CCTTGACCCT	GGAAGGTGCC	ACTCCCACTG	TCCTTTCCTA
	GGGCACGGAA	GGAAC TGGGA	CCTTCCACGG	TGAGGGTGAC	AGGAAAGGAT

BGH pA					
2451	ATAAAATGAG	GAAATTGCAT	CGCATTTGTCT	GAGTAGGTGT	CATTCTATTC
	TATTTTACTC	CTTTAACGTA	GCGTAACAGA	CTCATCCACA	GTAAGATAAG
BGH pA					
2501	TGGGGGGTGG	GGTGGGGCAG	GACAGCAAGG	GGGAGGATTG	GGAAGACAAT
	ACCCCCACC	CCACCCCGTC	CTGTCGTTCC	CCCTCCTAAC	CCTTCTGTTA
BGH pA					
2551	AGCAGGCATG	CTGGGGATGC	GGTGGGCTCT	ATGGCTTCTG	AGGCGGAAAAG
	TCGTCCGTAC	GACCCCTACG	CCACCCGAGA	TACCGAAGAC	TCCGCCTTTC
f1 ori					
2601	AACCAGCTGG	GGCTCTAGGG	GGTATCCCCA	CGCGCCCTGT	AGCGGCGCAT
	TTGGTGCACC	CCGAGATCCC	CCATAGGGGT	GCGCGGGACA	TCGCCGCGTA
f1 ori					
2651	TAAGCGCGGC	GGGTGTGGTG	GTTACGCGCA	GCGTGACCGC	TACACTTGCC
	ATTTCGCGCCG	CCCACACCAC	CAATGCGCGT	CGCACTGGCG	ATGTGAACGG
f1 ori					
2701	AGCGCCCTAG	CGCCCGCTCC	TTTCGCTTTC	TTCCCTTCCT	TTCTCGCCAC
	TCGCGGGATC	GCGGGCGAGG	AAAGCGAAAAG	AAGGGAAGGA	AAGAGCGGTG
f1 ori					
2751	GTTTCGCCGC	TTTCCCGTCC	AAGCTCTAAA	TCGGGGGCTC	CCTTTAGGGT
	CAAGCGGCCG	AAAGGGGCAG	TTCGAGATTT	AGCCCCCGAG	GAAAATCCCA
f1 ori					
2801	TCCGATTTAG	TGCTTTACGG	CACCTCGACC	CCAAAAAACT	TGATTAGGGT
	AGGCTAAATC	ACGAAATGCC	GTGGAGCTGG	GGTTTTTTTGA	ACTAATCCCA
f1 ori					
2851	GATGGTTCAC	GTAGTGGGCC	ATCGCCCTGA	TAGACGGTTT	TTCGCCCTTT
	CTACCAAGTG	CATCACCCGG	TAGCGGGACT	ATCTGCCAAA	AAGCGGGAAA
f1 ori					
2901	GACGTTGGAG	TCCACGTTCT	TTAATAGTGG	ACTCTTGTTT	CAAACGGGAA
	CTGCAACCTC	AGGTGCAAGA	AATTATCACC	TGAGAACAAG	GTTTGACCTT
f1 ori					
2951	CAACACTCAA	CCCTATCTCG	GTCTATTCTT	TTGATTTATA	AGGGATTTTG
	GTTGTGAGTT	GGGATAGAGC	CAGATAAGAA	AACTAAATAT	TCCCTAAAAC
f1 ori					
3001	CCGATTTTCGG	CCTATTGGTT	AAAAAATGAG	CTGATTTAAC	AAAAATTTAA
	GGCTAAAGCC	GGATAACCAA	TTTTTTTACTC	GACTAAATTG	TTTTTAAATT
f1 ori SV40 ori					
3051	CGCGAATTAA	TTCTGTGGAA	TGTGTGTCAG	TTAGGGTGTG	GAAAGTCCCC
	GCGCTTAATT	AAGACACCTT	ACACACAGTC	AATCCACAC	CTTTCAGGGG
SV40 ori					
3101	AGGCTCCCCA	GCAGGCAGAA	GTATGCAAAG	CATGCATCTC	AATTAGTCAG
	TCCGAGGGGT	CGTCCGTCTT	CATACGTTTC	GTACGTAGAG	TTAATCAGTC
SV40 ori					
3151	CAACCAGGTG	TGGAAAGTCC	CCAGGCTCCC	CAGCAGGCAG	AAGTATGCAA
	GTTGGTCCAC	ACCTTTCAGG	GGTCCGAGGG	GTCGTCCGTC	TTCATACGTT
SV40 ori					
3201	AGCATGCATC	TCAATTAGTC	AGCAACCATA	GTCCCGCCCC	TAACTCCGCC
	TCGTACGTAG	AGTTAATCAG	TCGTTGGTAT	CAGGGCGGGG	ATTGAGGCGG

SV40 ori					
3251	CATCCCGCCC	CTAACTCCGC	CCAGTTCCGC	CCATTCTCCG	CCCCATGGCT
	GTAGGGCGGG	GATTGAGGCG	GGTCAAGGCG	GGTAAGAGGC	GGGGTACCGA
SV40 ori					
3301	GACTAATTTT	TTTTATTTAT	GCAGAGGCCG	AGGCCGCCTC	TGCCTCTGAG
	CTGATTAATA	AAAATAAATA	CGTCTCCGGC	TCCGGCGGAG	ACGGAGACTC
SV40 ori					
3351	CTATTCCAGA	AGTAGTGAGG	AGGCTTTTTT	GGAGGCCTAG	GCTTTTGCAA
	GATAAGGTCT	TCATCACTCC	TCCGAAAAAA	CCTCCGGATC	CGAAAACGTT
3401	AAAGCTCCCG	GGAGCTTGTA	TATCCATTTT	CGGATCTGAT	CAAGAGACAG
	TTTCGAGGGC	CCTCGAACAT	ATAGGTAAAA	GCCTAGACTA	GTTCTCTGTC
Neo(R)					
3451	GATGAGGATC	GTTTCGCATG	ATTGAACAAG	ATGGATTGCA	CGCAGGTTCT
	CTACTCCTAG	CAAAGCGTAC	TAACTTGTTT	TACCTAACGT	CGGTCCAAGA
Neo(R)					
3501	CCGCGCCGTT	GGTGAGAGAG	GCTATTCGGC	TATGACTGGG	CACAACAGAC
	GGCCGGCGAA	CCCACCTCTC	CGATAAGCCG	ATACTGACCC	GTGTTGTCTG
Neo(R)					
3551	AATCGGCTGC	TCTGATGCCG	CCGTGTTCCG	GCTGTCAGCG	CAGGGGCGCC
	TTAGCCGACG	AGACTACGGC	GGCACAAGGC	CGACAGTCGC	GTCCCCGCGG
Neo(R)					
3601	CGGTTCTTTT	TGTCAAGACC	GACCTGTCCG	GTGCCCTGAA	TGAACTGCAG
	GCCAAGAAAA	ACAGTTCTGG	CTGGACAGGC	CACGGGACTT	ACTTGACGTC
Neo(R)					
3651	GACGAGGCAG	CGCGGCTATC	GTGGCTGGCC	ACGACGGGCG	TTCCTTGCGC
	CTGCTCCGTC	GCGCCGATAG	CACCGACCGG	TGCTGCCC GC	AAGGAACGCG
Neo(R)					
3701	AGCTGTGCTC	GACGTTGTCA	CTGAAGCGGG	AAGGGACTGG	CTGCTATTGG
	TCGACACGAG	CTGCAACAGT	GACTTCGCCC	TTCCCTGACC	GACGATAACC
Neo(R)					
3751	GCGAAGTGCC	GGGGCAGGAT	CTCCTGTCAT	CTCACCTTGC	TCCTGCCGAG
	CGCTTCACGG	CCCCGTCCCTA	GAGGACAGTA	GAGTGGAAAC	AGGACGGGCTC
Neo(R)					
3801	AAAGTATCCA	TCATGGCTGA	TGCAATGCGG	CGGCTGCATA	CGCTTGATCC
	TTTCATAGGT	AGTACCGACT	ACGTTACGCC	GCCGACGTAT	GCGAACTAGG
Neo(R)					
3851	GGCTACCTGC	CCATTTCGACC	ACCAAGCGAA	ACATCGCATC	GAGCGAGCAC
	CCGATGGACG	GGTAAGCTGG	TGGTTTCGCTT	TGTAGCGTAG	CTCGTCTGTC
Neo(R)					
3901	GTA CT CGGAT	GGAAGCCGGT	CTTGTCGATC	AGGATGATCT	GGACGAAGAG
	CATGAGCCTA	CCTTCGGCCA	GAACAGCTAG	TCCTACTAGA	CCTGCTTCTC
Neo(R)					
3951	CATCAGGGGC	TCGCGCCAGC	CGAACTGTTT	GCCAGGCTCA	AGGCGCGCAT
	GTAGTCCCCG	AGCGCGGTGC	GCTTGACAAG	CGGTCCGAGT	TCCGCGCGTA
Neo(R)					
4001	GCCCCACGGC	GAGGATCTCG	TCGTGACCCA	TGGCGATGCC	TGCTTGCCGA
	CGGGCTGCCG	CTCCTAGAGC	AGCACTGGGT	ACCGCTACGG	ACGAACGGCT

	Neo(R)				
4051	ATATCATGGT	GGAAAATGGC	CGCTTTTCTG	GATTCATCGA	CTGTGGCCGG
	TATAGTACCA	CCTTTTACCG	GCGAAAAGAC	CTAAGTAGCT	GACACCGGCC
	Neo(R)				
4101	CTGGGTGTGG	CGGACCGCTA	TCAGGACATA	GCGTTGGCTA	CCCGTGATAT
	GACCCACACC	GCCTGGCGAT	AGTCCTGTAT	CGCAACCGAT	GGGCACTATA
	Neo(R)				
4151	TGCTGAAGAG	CTTGGCGGCG	AATGGGCTGA	CCGCTTCCTC	GTGCTTTACG
	ACGACTTCTC	GAACCGCCGC	TTACCCGACT	GGCGAAGGAG	CACGAAATGC
	Neo(R)				
4201	GTATCGCCGC	TCCCGATTTC	CAGCGCATCG	CCTTCTATCG	CCTTCTTGAC
	CATAGCGGCG	AGGGCTAAGC	GTCGCGTAGC	GGAAGATAGC	GGAAGAACTG
	Neo(R)				
4251	GAGTTCTTCT	GAGCGGGACT	CTGGGGTTCG	AAATGACCGA	CCAAGCGACG
	CTCAAGAAGA	CTCGCCCTGA	GACCCCAAGC	TTTACTGGCT	GGTTCGCTGC
4301	CCCAACCTGC	CATCACGAGA	TTTCGATTCC	ACCGCCGCCT	TCTATGAAAG
	GGGTTGACG	GTAGTGCTCT	AAAGCTAAGG	TGGCGGCGGA	AGATACTTTC
4351	GTTGGGCTTC	GGAATCGTTT	TCCGGGACGC	CGGCTGGATG	ATCCTCCAGC
	CAACCCGAAG	CCTTAGCAAA	AGGCCCTGCG	GCCGACCTAC	TAGGAGGTCC
	SV40 pA				
4401	GCGGGGATCT	CATGCTGGAG	TTCTTCGCCC	ACCCCAACTT	GTTTATTGCA
	CGCCCTAGA	GTACGACCTC	AAGAAGCGGG	TGGGGTTGAA	CAAATAACGT
	SV40 pA				
4451	GCTTATAATG	GTTACAAATA	AAGCAATAGC	ATCACAAATT	TCACAAATAA
	CGAATATTAC	CAATGTTTAT	TTCGTTATCG	TAGTGTTTAA	AGTGTTTATT
	SV40 pA				
4501	AGCATTTTTT	TCACTGCATT	CTAGTTGTGG	TTTGTCCAAA	CTCATCAATG
	TCGTAAAAAA	AGTGACGTAA	GATCAACACC	AAACAGGTTT	GAGTAGTTAC
	SV40 pA				
4551	TATCTTATCA	TGTCTGTATA	CCGTCGACCT	CTAGCTAGAG	CTTGGCGTAA
	ATAGAATAGT	ACAGACATAT	GGCAGCTGGA	GATCGATCTC	GAACCGCATT
4601	TCATGGTCAT	AGCTGTTTCC	TGTGTGAAAT	TGTTATCCGC	TCACAATTCC
	AGTACCAGTA	TCGACAAAAG	ACACACTTTA	ACAAATAGCG	AGTGTTAAGG
4651	ACACAACATA	CGAGCCGGAA	GCATAAAGTG	TAAAGCCTGG	GGTGCCTAAT
	TGTGTTGTAT	GCTCGGCCTT	CGTATTTTAC	ATTTCCGACC	CCACGGATTA
4701	GAGTGAGCTA	ACTCACATTA	ATTGCGTTGC	GCTCACTGCC	CGCTTTCCAG
	CTCACTCGAT	TGAGTGTAAT	TAACGCAACG	CGAGTGACGG	GCGAAAGGTC
4751	TCGGGAAACC	TGTCGTGCCA	GCTGCATTAA	TGAATCGGCC	AACGCGCGGG
	AGCCCTTTGG	ACAGCACGGT	CGACGTAATT	ACTTAGCCGG	TTGCGCGCCC
4801	GAGAGGCGGT	TTGCGTATTG	GGCGCTCTTC	CGCTTCCTCG	CTCACTGACT
	CTCTCCGCCA	AACGCATAAC	CCGCGAGAAG	GCGAAGGAGC	GAGTGACTGA
4851	CGCTGCGCTC	GGTCGTTCCG	CTGCGGCGAG	CGGTATCAGC	TCACTCAAAG
	GCGACGCGAG	CCAGCAAGCC	GACGCCGCTC	GCCATAGTCG	AGTGAGTTTC
4901	GCGGTAATAC	GGTTATCCAC	AGAATCAGGG	GATAACGCAG	GAAAGAACAT
	CGCCATTATG	CCAATAGGTG	TCTTAGTCCC	CTATTGCGTC	CTTTCTTGTA
	pUC ori				
4951	GTGAGCAAAA	GGCCAGCAAA	AGGCCAGGAA	CCGTAAAAAG	GCCGCGTTGC
	CACTCGTTTT	CCGGTCGTTT	TCCGGTCCTT	GGCATTTTTT	CGGCGCAACG

	pUC ori				
5001	TGGCGTTTTT	CCATAGGCTC	CGCCCCCTG	ACGAGCATCA	CAAAAATCGA
	ACCGCAAAA	GGTATCCGAG	GCGGGGGGAC	TGCTCGTAGT	GTTTTTAGCT
	pUC ori				
5051	CGCTCAAGTC	AGAGGTGGCG	AAACCCGACA	GGACTATAAA	GATACCAGGC
	GCGAGTTCAG	TCTCCACCGC	TTTGGGCTGT	CCTGATATTT	CTATGGTCCG
	pUC ori				
5101	GTTTCCCCCT	GGAAGCTCCC	TCGTGCGCTC	TCCTGTTCCG	ACCCTGCCGC
	CAAAGGGGGA	CCTTCGAGGG	AGCACGCGAG	AGGACAAGGC	TGGGACGGCG
	pUC ori				
5151	TTACCGGATA	CCTGTCCGCC	TTTCTCCCTT	CGGGAAGCGT	GGCGCTTTCT
	AATGGCCTAT	GGACAGGCGG	AAAGAGGGAA	GCCCTTCGCA	CCGCGAAAAG
	pUC ori				
5201	CATAGCTCAC	GCTGTAGGTA	TCTCAGTTCG	GTGTAGGTCG	TTCGCTCCAA
	GTATCGAGTG	CGACATCCAT	AGAGTCAAGC	CACATCCAGC	AAGCGAGGTT
	pUC ori				
5251	GCTGGGCTGT	GTGCACGAAC	CCCCGTTCA	GCCCGACCGC	TGCGCCTTAT
	CGACCCGACA	CACGTGCTTG	GGGGCAAGT	CGGGCTGGCG	ACGCGGAATA
	pUC ori				
5301	CCGGTAACTA	TCGTCTTGAG	TCCAACCCGG	TAAGACACGA	CTTATCGCCA
	GGCCATTGAT	AGCAGAACTC	AGGTTGGGCC	ATTCTGTGCT	GAATAGCGGT
	pUC ori				
5351	CTGGCAGCAG	CCACTGGTAA	CAGGATTAGC	AGAGCGAGGT	ATGTAGGCGG
	GACCGTCGTC	GGTGACCATT	GTCCTAATCG	TCTCGCTCCA	TACATCCGCC
	pUC ori				
5401	TGCTACAGAG	TTCTTGAAGT	GGTGGCCTAA	CTACGGCTAC	ACTAGAAGAA
	ACGATGTCTC	AAGAACTTCA	CCACCGGATT	GATGCCGATG	TGATCTTCTT
	pUC ori				
5451	CAGTATTTGG	TATCTGCGCT	CTGCTGAAGC	CAGTTACCTT	CGGAAAAAGA
	GTCATAAACC	ATAGACGCGA	GACGACTTCG	GTCAATGGAA	GCCTTTTTCT
	pUC ori				
5501	GTTGGTAGCT	CTTGATCCGG	CAAACAAACC	ACCGCTGGTA	GCGGTGGTTT
	CAACCATCGA	GAACTAGGCC	GTTTGTGTTG	TGGCGACCAT	CGCCACCAA
	pUC ori				
5551	TTTTGTGTTG	AAGCAGCAGA	TTACGCGCAG	AAAAAAGGA	TCTCAAGAAG
	AAAACAAACG	TTCGTCTGCT	AATGCGCGTC	TTTTTTTTCCT	AGAGTTCTTC
	pUC ori				
5601	ATCCTTTGAT	CTTTTCTACG	GGGTCTGACG	CTCAGTGGAA	CGAAAACTCA
	TAGGAAACTA	GAAAAGATGC	CCCAGACTGC	GAGTCACCTT	GCTTTTGAGT
	pUC ori				
5651	CGTTAAGGGA	TTTTGGTCAT	GAGATTATCA	AAAAGGATCT	TCACCTAGAT
	GCAATTC CCT	AAAACCAGTA	CTCTAATAGT	TTTTCCCTAGA	AGTGGATCTA
	pUC ori				
5701	CCTTTTAAAT	TAAAAATGAA	GTTTTAAATC	AATCTAAAGT	ATATATGAGT
	GGAAAATTTA	ATTTTACTT	CAAAATTTAG	TTAGATTTCA	TATATACTCA
	pUC ori				
5751	AACTTGGTC	TGACAGTTAC	CAATGCTTAA	TCAGTGAGGC	ACCTATCTCA
	TTTGAACCAG	ACTGTCAATG	GTTACGAATT	AGTCACTCCG	TGGATAGAGT
	Amp(R)				
5801	GCGATCTGTC	TATTTGTTTC	ATCCATAGTT	GCCTGACTCC	CCGTCGTGTA
	CGCTAGACAG	ATAAAGCAAG	TAGGTATCAA	CGGACTGAGG	GGCAGCACAT
	Amp(R)				

pcDNA.3.1(-)/myc-His B

5851 GATAACTACG ATACGGGAGG GCTTACCATC TGGCCCCAGT GCTGCAATGA
 CTATTGATGC TATGCCCTCC CGAATGGTAG ACCGGGGTCA CGACGTTACT

Amp(R)

5901 TACCGCGAGA CCCACGCTCA CCGGCTCCAG ATTTATCAGC AATAAACCG
 ATGGCGCTCT GGGTGCAGT GGCCGAGGTC TAAATAGTCG TTATTTGGTC

Amp(R)

5951 CCAGCCGGAA GGGCCGAGCG CAGAAGTGGT CCTGCAACTT TATCCGCCTC
 GGTCCGCCCTT CCCGGCTCGC GTCTTCACCA GGACGTTGAA ATAGGCGGAG

Amp(R)

6001 CATCCAGTCT ATTAATTGTT GCCGGGAAGC TAGAGTAAGT AGTTCGCCAG
 GTAGGTCAGA TAATTAACAA CGGCCCTTCG ATCTCATTCA TCAAGCGGTC

Amp(R)

6051 TTAATAGTTT GCGCAACGTT GTTGCCATTG CTACAGGCAT CGTGGTGTCA
 AATTATCAAA CGCGTTGCAA CAACGGTAAC GATGTCCGTA GCACCACAGT

Amp(R)

6101 CGCTCGTCGT TTGGTATGGC TTCATTACAGC TCCGGTTCCC AACGATCAAG
 GCGAGCAGCA AACCATACCG AAGTAAGTCG AGCCAAGGG TTGCTAGTTC

Amp(R)

6151 GCGAGTTACA TGATCCCCCA TGTTGTGCAA AAAAGCGGTT AGCTCCTTCG
 CGCTCAATGT ACTAGGGGGT ACAACACGTT TTTTCGCCAA TCGAGGAAGC

Amp(R)

6201 GTCCTCCGAT CGTTGTCAGA AGTAAGTTGG CCGCAGTGTT ATCACTCATG
 CAGGAGGCTA GCAACAGTCT TCATTCAACC GGCCTCACAA TAGTGAGTAC

Amp(R)

6251 GTTATGGCAG CACTGCATAA TTCTCTTACT GTCATGCCAT CCGTAAGATG
 CAATACCGTC GTGACGTATT AAGAGAATGA CAGTACGGTA GGCATTCTAC

Amp(R)

6301 CTTTTCTGTG ACTGGTGAGT ACTCAACCAA GTCATTCTGA GAATAGTGTA
 GAAAAGACAC TGACCACTCA TGAGTTGGTT CAGTAAGACT CTTATCACAT

Amp(R)

6351 TGCGGCGACC GAGTTGCTCT TGCCCGGCGT CAATACGGGA TAATACCGCG
 ACGCCGCTGG CTCAACGAGA ACGGGCCGCA GTTATGCCCT ATTATGGCGC

Amp(R)

6401 CCACATAGCA GAACTTTAAA AGTGCTCATC ATTGGAAAAC GTTCTTCGGG
 GGTGTATCGT CTTGAAATTT TCACGAGTAG TAACCTTTTG CAAGAAGCCC

Amp(R)

6451 GCGAAAACTC TCAAGGATCT TACCGCTGTT GAGATCCAGT TCGATGTAAC
 CGCTTTTGAG AGTTCCTAGA ATGGCGACAA CTCTAGGTCA AGCTACATTG

Amp(R)

6501 CCACTCGTGC ACCCAACTGA TCTTCAGCAT CTTTTACTTT CACCAGCGTT
 GGTGAGCAG TGGGTTGACT AGAAGTCGTA GAAAATGAAA GTGGTCGCAA

Amp(R)

6551 TCTGGGTGAG CAAAAACAGG AAGGCAAAAT GCCGCAAAA AGGGAATAAG
 AGACCCACTC GTTTTTGTCC TTCCGTTTTA CGGCGTTTTT TCCCTTATTC

Amp(R)

6601 GGCGACACGG AAATGTTGAA TACTCATACT CTTCCTTTTT CAATATTATT
 CCGCTGTGCC TTTACAACCT ATGAGTATGA GAAGGAAAAA GTTATAATAA

Amp(R)

pcDNA.3.1(-)/myc-His B

6651 GAAGCATTTA TCAGGGTTAT TGTCTCATGA GCGGATACAT ATTTGAATGT
CTTCGTAAAT AGTCCCAATA ACAGAGTACT CGCCTATGTA TAAACTTACA

6701 ATTTAGAAAA ATAAACAAAT AGGGGTTCG CGCACATTC CCCGAAAAGT
TAAATCTTTT TATTTGTTTA TCCCAAGGC GCGTGTAAG GGGCTTTTCA

6751 GCCACCTGAC GTC
CGGTGGACTG CAG
