

Design and application of the transformer base editor in mammalian cells and mice

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Supplementary Table 1. The primers of RT-qPCR for determining the expression of *APOBEC3*s.

Target gene	Names of oligos	Sequence (5' to 3')
human <i>APOBEC1</i>	hA1 F	GGGACCTTGTTAACAGTGGAGT
	hA1 R	CCAGGTGGGTAGTTGACAAAA
	hA1 P	6-Fam-TCCAGCAGTGATAATACTCTGATGCTC-Tamra
human <i>APOBEC3A</i>	hA3A F	GAGAAGGGACAAGCACATGG
	hA3A R	TGGATCCATCAAGTGTCTGG
	hA3A P	6-Fam-AGCCAGCCCAGCATCCGGG-Tamra
human <i>APOBEC3B</i>	hA3B F	GACCCTTTGGTCCTTCGAC
	hA3B R	GCACAGCCCCAGGAGAAG
	hA3B P	6-Fam-CAGGCGCTCCACCTCATAGCA-Tamra
human <i>APOBEC3C</i>	hA3C F	AGCGCTTCAGAAAAGAGTGG
	hA3C R	AAGTTTCGTTCCGATCGTTG
	hA3C P	6-Fam-TGAATCCACAGATCAGAAACCCGATG-Tamra
human <i>APOBEC3D</i>	hA3D F	ACCCAAACGTCAGTCAATC
	hA3D R	CACATTCTGCGTGGTTCTC
	hA3D P	6-Fam-AACCGGAAATACACCTCCTG-Tamra
human <i>APOBEC3F</i>	hA3F F	CCGTTTGGACGCAAAGAT
	hA3F R	CCAGGTGATCTGGAAACACTT
	hA3F P	6-Fam-GGCAACCAGCTGCCTGCT-Tamra
human <i>APOBEC3G</i>	hA3G F	CCGAGGACCCGAAGGTTAC
	hA3G R	TCCAACAGTGCTGAAATTGG
	hA3G P	6-Fam-TTACCAGGAGGCGCTTCGCA-Tamra
human <i>APOBEC3H</i>	hA3H F	AGCTGTGGCCAGAAGCAC
	hA3H R	CGGAATGTTTCGGCTGTT
	hA3H P	6-Fam-TCAGAAACACGATGGCTCTGT-Tamra
human <i>AICDA</i>	hAID F	GACTTTGGTTATCTTCGCAATAAGA
	hAID R	AGGTCCCAGTCCGAGATGTA
	hAID P	6-Fam-CGTGGAATTGCTCTTCCTCCG-Tamra
human <i>APOBEC2</i>	hA2 F	AAGTAGGGCAACTGGGCTT
	hA2 R	GGCTGTACATGTCATTGCTGTC
	hA2 P	6-Fam-GCCTCACGTATTCCTGCTGC-Tamra
human <i>APOBEC4</i>	hA4 F	TTCTAACACCTGGAATGTGATCC
	hA4 R	GATTTACTGTCTTCTAGCTGCAAA
	hA4 P	6-Fam-CCATCAATTTGTCTCCAGGC-Tamra
human <i>TBP</i>	hTBP F	CCCATGACTCCCATGACC
	hTBP R	TTTACAACCAAGATTCACTGTGG
	hTBP P	6-Fam-TCACTCCTGCCACGCCAGCTT-Tamra