

Electronic supplementary material

ESM Table 1 Primer sequences and positions in relation to the transcription start site for the assays used to analyse DNA methylation of the human and rat insulin gene by EpiTYPER and Pyrosequencing

Position	Direction	Sequence (5' to 3')
-2407-1984 ^a	Reverse	cagtaatac gactcactatagggagaaggctCCCCCTACAAAATACCCTAAA ACTA
	Forward	aggaagagagGGGAGTAGGGGTATAAATTGTGTT
-2008-1736 ^a	Reverse	cagtaatac gactcactatagggagaaggctAACTTCCTAAAAACTCACAACCCTT
	Forward	aggaagagagTAGTTTTAGGGTATTTTGTAGGGGG
-1759-1445 ^a	Reverse	cagtaatac gactcactatagggagaaggctCTACACACACCCAACCTTAACTCT
	Forward	aggaagagagAGGGTTGTGAGTTTTTAGGAAGTTT
-1318-874 ^a	Reverse	cagtaatac gactcactatagggagaaggctTACCTTAAAACAACAACCCCAACTA
	Forward	aggaagagagTTTGTTTTTGGTGTTAAGAGGTAGG
-263+110 ^a	Reverse	cagtaatac gactcactatagggagaaggctAACTAAAACCTAAAATCCAACCACC
	Forward	aggaagagagTAGTTGTGAGTAGGGATAGGTTTGG
-241-171 ^a	Reverse	Biotin-ACAATTTCCCAACCATTTCCTAATACTAA
	Forward	TGGAGATATTTGTTTTTAGTTGTGAGTAG
	Sequencing	AGTTGTGAGTAGGGAT
-1206-835 ^b	Reverse	cagtaatac gactcactatagggagaaggctACCTTCTCAACCTCCACTTAAAAT
	Forward	aggaagagagGGTTTTTTGGTTTTTTTATGGTTTT
-245+118 ^b	Reverse	cagtaatac gactcactatagggagaaggctAAAAAACTTCCACCAAATAAAAACC
	Forward	aggaagagagATAGTAAAGTTTAGGGGTAGGGGG

Lowercase denotes sequence tags necessary for the EpiTyper protocol

^aHuman insulin promoter

^bRat insulin promoter