

## List of primers used in this study

**RT-qPCR**

<i>Name</i>	<i>Sequence</i>	<i>Source publication</i>
IAP-5'UTR-F	CGGGTCGCGGTAATAAAGGT	Rowe et al. 2010
IAP-5'UTR-R	ACTCTCGTTCCCCAGCTGAA	
LINE-1-ORF1-F	GAACCAAGACCACTCACCATCA	Vitullo et al. 2012
LINE-1-ORF1-R	CCCTGGACTGGGCGAAGT	
SINE-B1-F	TGGCGCACGCCTTTAATC	Gualtieri et al. 2013
SINE-B1-R	TGGCCTCGAACTCAGAATCC	
Uhrf1-F	AAACGCCCTGAGTTTTCGC	Designed in this study
Uhrf1-R	GCCGATGTACTCTCTCACG	
Gapdh-F	ATTCAACGGCACAGTCAAGG	Designed in this study
Gapdh-R	TGGATGCAGGGATGATGTTC	

**Oxidative bisulfite sequencing**

IAP GAG-F	AGGTTAGTTTGTTGATTGGTTTTAG	Sadic et al. 2015
IAP GAG-R	AATCAACAAAATAAACTCCCTAACC	
LINE-1-F	GTTAGAGGATTTGATAGTTTTTGGGAATAGG	Tommasi et al. 2012
LINE-1-R	CCAAAACAAAACCTTTCTCAAACACTATAT	