

Gene	Sequences (5' to 3')
<i>Tg-lama1</i>	GCCTCATTCCGGGGCTGTGTG
	AATGTGGTATGGCTGATTATG
<i>Tg-lama5</i>	CTGATCAATGGGGCCCCTGTCAAC
	AATGTGGTATGGCTGATTATG
<i>LAMA1</i>	GACAGCCCGGTGTCTGCCTTCACG
	GTGGCGGTTTTGGGCTCATATGCA
<i>LAMA5</i>	TCCCCTACTGCGAAGCTG
	CCTCAGGAAGGGCAGGAT
<i>LAMA3</i>	TGCCCATGTCCTCACACTAA
	CACGTCTCCCCATTAC
<i>LAMB1</i>	CCACTGAAAAACATTGGGAATC
	TGAGCCATCATTTCTGTAACATC
<i>LAMC1</i>	CACAGAGGCCAAGAACAAGG
	CTGGTGCTGGTGGCATT
<i>TP53</i>	QuantiTect® primer assay Qiagen
<i>TP53</i> site 1	TGGTGGGATGATAATGAGATATTGTCC
	CTGAGGCAGGAGAATTGCTTGAAC
<i>TP53</i> site 2	GAATGAATGAAGTAGGCACCATTGC
	TCAGGTGGTCAGAAGATGGGTAGAG
<i>TP53</i> site 3	ATCATTTGACATGTGCAAGGCAGAG
	CTGAGGCAGGAGAATGGCATGAA
<i>TP53</i> site 4	AGATGTCCAAGCTGTACCCCATACC
	AGGCCTGAGTTCCTGCATTTCTAAC
<i>TP53</i> site 5	CTATGTGGGTGTCAGGATACGAGGA
	TGAAGCAAAGTTTCAGAAACACAGC
<i>TP53</i> site 6	TGATGCCAGGAACACTACGCTAACAAT
	CCAGCTCTCACGTTTACTTGATTGG
<i>TP53</i> intron	CCATCTCGATAACCGCTCCTACTCT
	AACTTATAGGGTGGGCCCTGGAGAA

**Table S2: Sequences of the primers used for genotyping, RT-qPCR and chromatin immunoprecipitation**