

**Table 1: PCR Primers**

<b>Primers for gene expression</b>	<b>sequence 5'-3'</b>
RCAN1-4 Forward	CTTCAGCGAAAGTGAAACCA
RCAN1-4 Reverse	GGAGAAGGGGTTGCTGAAGT
GAPDH Forward	CACCAACTGCTTAGCACCCC
GAPDH Reverse	TCTTCTGGGTGGCAGTGATG
NFE2L3 TaqMan assay	Cat# Hs00852569_g1
GAPDH TaqMan assay	Cat# 4352934E
<b>Primers for qPCR at promoter ( region1; Bead Assay)</b>	<b>sequence 5'-3'</b>
RCAN1.4 region1 Forward	AAGAAGGGTCGTCCCATT
RCAN1.4 region1 Reverse	GGTTTGCTTCACAGCTGCTT
<b>Primers for qPCR at intron1 (Bead Assay)</b>	<b>sequence 5'-3'</b>
RCAN1.4 region2 Forward	TCTACCGTCCGCCAGCTC
RCAN1.4 region2 Reverse	CCGGCTTTTCTTCAGTTTAGG
RCAN1.4 region3 Forward	AACGACCTGCCTGGCAGGGA
RCAN1.4 region3 Reverse	CTATGGAAGGCGCAGTGCT
<b>Primers for Methylation Specific PCR at intron 1 (Ref 32 main manuscript)</b>	<b>sequence 5'-3'</b>
Methylated DNA(M) Forward	GTTAGTTTCGCGTTTTTTTCGTAC
Methylated DNA(M) Reverse	GATCCCTACCAAACAAATCGTT
Unmethylated DNA(U) Forward	GTTAGTTTGTGTTTTTTTGTATGT
Unmethylated DNA(U) Reverse	AATCCCTACCAAACAAATCATT
<b>Primers for PCR sequencing of <i>BRAF</i> and TERT promoter</b>	<b>sequence 5'-3'</b>
BRAF Forward	GGAAAGCATCTCACCTCATCC
BRAF Reverse	GAACACTGATTTTTGTGAATACTGG
TERT Forward	GGCCGATTCGACCTCTCT
TERT Reverse	AGCACCTCGCGGTAGTGG