

**Supplementary Table 4.** RT-QPCR primers sequences and positions used for expression analysis of 7q21 genes region.

Primer	Forward primer	Reverse primer	Distance to p-tel. (bp)
PFTK1_exp	ggcagatttcggtcttgca	caaggtaaccacttcgttgagta	90,384,945
FZD1_exp	tgctggccggctttgt	gtgccatcgcttcatgat	90,733,648
MTERF_exp	aggcggagtaaaagcgaact	cctccagaaaggctggagaa	91,347,930
AKAP9_exp	catagtggagaaataaccagtcagag	cagtcacatcgctgtggtgaaatt	91,441,174
CYP51A1_exp	tgtctacagtcgcctgacaacac	ccaagaaaactggattaggcacat	91,596,171
KRIT1_CD3	tcagtacaagtgaagggtgcagtaaaga	ggaatttcccagcaattctgtaag	91,680,620
KRIT1_CD4	tgcccactgaaagaaattcatg	ttcacggaaaaaaaactctgcat	91,667,987
ANKIB1_exp	catctccaagaactccaaggactac	tccccaggagataagctgatttc	91,810,394
GATAD1_exp	ggcaagcagagtaagcaggaa	ccggagcagatttgatttagtggt	91,915,198
ERVWE1_exp	aatctgcaactttccccaaaaa	tggttatgaagggccttcca	91,938,087
PEX1_exp	tttattagagcacaggctgcaaag	ccgaggagcaatggattcaa	91,963,951
CDK6_exp	ctggaaagggtgcaaagaaaacc	attcagctccgaggtgttctg	92,082,443

*Note:* Primer sequences and absolute distances of from the telomere (kb).