

Supplementary Table 2. Primer sequences of studied genes

Primers		Sequence (5'-3')
Cell cycle progression genes		
1. CDKN1A (p21)	Forward	AGGTGGACCTGGAGACTCTCAG
	Reverse	TCCTCTTGGAGAAGATCAGCCG
2. CDKN1B (p27)	Forward	ATAAGGAAGCGACCTGCAACCG
	Reverse	TTCTTGGGCGTCTGCTCCACAG
3. Cyclin A	Forward	TGA GCA TGT CAC CGT TCC TC
	Reverse	TCA GCT GGC TTC TTC TGA GC
4. Cyclin E	Forward	CAA GTA CAC CAG CCA CCT C
	Reverse	GTA CAA CGG AGC CCA GAA
5. Cyclin D	Forward	TCTACACCGACAACCTCCATCCG
	Reverse	TCTGGCATTTTGGAGAGGAAGTG
DNA replication related genes		
6. CDC6	Forward	GGAGATGTTTCGCAAAGCACTGG
	Reverse	GGAATCAGAGGCTCAGAAGGTG
7. PCNA	Forward	CAAGTAATGTCGATAAAGAGGAGG
	Reverse	GTGTCACCGTTGAAGAGAGTGG
8. MCM2	Forward	TGCCAGCATTGCTCCTTCCATC
	Reverse	AAACTGCGACTTCGCTGTGCCA
Gene involved in proliferation, survival, and differentiation		
9. <i>c-MYC</i>	Forward	CCTGGTGCTCCATGAGGA GAC
	Reverse	CAG ACT CTG ACC TTT TGC CAGG
10. STAT3	Forward	CTTTGAGACCGAGGTGTATCACC
	Reverse	GGTCAGCATGTTGTACCACAGG
11. AKT1	Forward	TGGACTACCTGCACTCGGAGAA
	Reverse	GTGCCGCAAAGGTCTTCATGG
Housekeeping gene (intenal control)		
12. GAPDH	Forward	GTCTCCTCTGACTTCAACAGCG
	Reverse	ACCACCCTGTTGCTGTAGCCAA