

Additional Table 1 - primers' sequences and cycling conditions.

Gene	Primer sequence (5'-3')	Annealing temperature (°C)	Temperature at the fluorescence measurement (°C)	Elongation time (sec)	Size of amplicon (bp)
<i>PSA</i>	GCAGCATTGAACCAGAGGAG AGAAGCTGGGGAGGCTTGAGT	57	72	10	830
<i>SRC1</i>	ATGGTGAGCAGAGGCATGACA AAACGGTGATGCTCATGTTG	60	72	14	349
<i>TIF2</i>	TAATGCACAGATGCTGGCC TCTGTGTATGTGCCATTCGG	67	72	14	314
<i>PIAS1</i>	CCACATGACACCCATGCCTT CCAAAGATGGATGCCGGGTC	67	72	14	333
<i>PIASx^a</i>	TCTTCTGACGAAGAGGAAGACC TCAGAAGATGTTCCAAGCTTCA	58	72	12	275
<i>ARIP4</i>	ATAGCAAGTTCCTACAGGGC CAGATTCACACCCAAGCATC	61	72	18	437
<i>BRCA1</i>	TTCAGGGGGCTAGAAATCTG CTACACTGTCCAACACCCACTCTC	62	72	10	247
<i>β-catenin</i>	AATACCATTCCATTGTTTGTGCAG AGCTCAACTGAAAGCCGTTT	62	72	10	254
<i>AIB3</i>	TCCAGAACTTCTACCCAGCA ATCAAGTCGCAGTCCTGCTT	61	72	14	344
<i>AIB1</i>	CGTCTCCATATAACCGAGC TCATAGGTTCCATTCTGCCG	54	72	10	255
<i>CBP</i>	CAGAGCGGATCATCCATGACTA GCTTCTCCATGGTGGCATA	59	83	14	347
<i>STAT1</i>	TATAGAGCATGAAATCAAGAGCC GGCATTCTGGGTAAGTTCA	55	72	10	227
<i>NCoR1</i>	GGCCCTCTTCAGTCTCCTCT GGCAGGTTTTTGACCTGCTA	61	72	15	364
<i>AES</i>	CGCGATTGACATGATGTTTC CTCTCAATGGCTCCCAAGAC	61	82	15	364
<i>Cyclin D1</i>	CCCTCGGTGGGTCCTACTTCAA TGGCATTTTGGAGAGGAAGT	55	81	15	390
<i>p300</i>	CCTGAGTAGGGGCAACAAGA GTGTCTCCACATGGTGCTTG	57	84	14	353
<i>ARA24</i>	CCACCAGAAGTTGTCATGGAC ACAAGGGATGAGTTCATTGC	57	82	11	475
<i>LSD1</i>	GCCTTCTGCTAAAGCCACAG CGCCCTATGCAAGGAATATG	58	72	12	280
<i>BAG-1L</i>	GCTGACCAGCTGGAAGAGTT TCTGGAAGGATCAGTGTGTC	60	72	14	167
<i>Gelsolin</i>	GATCGAAGAGGTTCTGGTG CCGCTTAGCAGAAGTCAAGG	59	72	9	148
<i>PAK 6</i>	ACATCGTCTCCCAAGTCAGG GCCCAGAGACCAGATATCCA	58	72	15	293
<i>MAK</i>	TCCAAGATGAACCGATACACAACC CAGCAATTTTCACAAGCTCTGGAC	59	72	19	433
<i>Prohibitin</i>	CGTGGGTACAGAAACCAATTATCT CTCTCTCTGGGTGATTAGTTCTCC	61	72	13	257
<i>JMJD1A</i>	GCCAACATTGGAGACCACTT CACCCTGTTGGCAATTCTTT	60	72	12	230
<i>JMJD2C</i>	GCTTGCGAGAAGGTCATTTT GACTTCTCCCTCAGCAGGTG	58	72	10	207
<i>MAGE11^b</i>	GGAGACTCAGTTCCGCAGAG TGGGACCACTGTAGTTGTGG	59	72	10	170

a. Primers amplify a region that is common to the *PIASxα* and *PIASxβ* isoform

b. Primers amplify only a region of *MAGE11* transcript variant 1