Supplementary information

p53 mutation analysis; PCR conditions

DNA was extracted from fresh tissues using the DNeasy Blood & Tissue Kit (Qiagen, Valencia, CA). Samples were amplified by PCR with the ImmolaseTM DNA Polymerase kit (Bioline, ECOGEN, Barcelona, Spain). For this reaction 50 ng of total DNA, 0.2 µM of primers, 4 mM of dNTPs, 1X Buffer, 2.5 mM of $MgCl_2$ and 0.1 µl of Immolase Taq were used. PCR was performed by using a 2720 Thermal Cycler (Applied Biosystems); with the following conditions: 95ºC for 10 minutes , 35 cycles of 94ºC for 30 seconds, 60-67ºC (depending of the exon) for 1 minute and 72ºC for 1 minute, and 72ºC for 10min. PCR products were verified by agarose electrophoresis and purified using the QIAquick PCR Purification Kit (Qiagen). The dNTP's BigdieTerminator-Cycle Sequencing kit v3.1 (Applied Biosystems) was used and performed according to the manufacturer's recommendations for the sequencing PCR reaction in a 2720 Thermal Cycler (Applied Biosystems). Finally samples were purifyed with the Illustra AutoSeq G-50 DyeTerminator Removal Kit (Healthcare, Barcelona, Spain).