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| **Table S1**Primer sequences for *TP53* PCR reaction | | |
| ***TP53* Region** | **Sense** | **Antisense** |
| *Exon 4.1* | 5’ GGG GGC TGA GGA CCT GGT 3’ | 5’ GGA AGG GAC AGA AGA TGA C 3’ |
| *Exon 4.2* | 5’ GTC CAG ATG AAG CTC CCA G 3’ | 5’ ATA CGG CCA GGC ATT GAA GT 3’ |
| *Exon 5.1* | 5’ TGC TGC CGT GTT CCA GTT GC 3’ | 5’ AAC CTC CGT CAT GTG CTG T 3’ |
| *Exon 5.2* | 5’ CTG CCC TCA ACA AGA TGT TTT GCC 3’ | 5’ GCC AGA CCT AAG AGC AAT CAG TG 3’ |
| *Exon 6* | 5’ GGT TGC CCA GGG TCC CCA 3’ | 5’ CGG AGG GCC ACT GAC AAC CA 3’ |
| *Exon 7* | 5’ GCG ACA GAG CGA GAT TCC ATC 3’ | 5’ GAA GAA ATC GGT AAG AGG TGG 3’ |
| *Exon 8* | 5’ GGA CCT GAT TTC CTT ACT GC 3’ | 5’ TCT GAG GCA TAA CTG CAC CC 3’ |
| *Exon 9* | 5’ AGG AGA CCA AGG GTG CAG T 3’ | 5’ CGG CAT TTT GAG TGT TAG A 3’ |