Supplementary Material 1 – Gene Polymorphisms, Reference Sequence (rs) numbers, Primers, annealing temperatures and genotypig methodologies used

| Gene Symbols | Studied polymorphisms | Polymorphism NCBI | Primer sequence | T  (°C) | Methodology | PRC Product  size (bp) | References |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *CYP1A1*  *exon 7* | (A>G) (Ile462Val) | rs1048943 | 5′- AAGACCTCCCAGCGGGCAAT - 3′  5′- AAGACCTCCCAGCGGGCAAC - 3′  5′- CTCTGGTTACAGGAAGCTAT - 3′ | 60 | ARMS-PCR | 162 | (Chen et al., 2001) |
| *GSTM1* | Presence/absence | rs1183423000 | 5- CTGGATTGTAGCAGATCATGC - 3’  5’- CTGCCCTACTTGATTGATGGG - 3’ | 65 | PCR | 273 | (Zhong et al., 1993) |
| *GSTT1* | Presence/Absence | rs1601993659 | 5’- TTCCTTACTGGTCCTCACATCTC - 3’  5’- TCACCGGATCATGGCCAGCA - 3’ | 63 | PCR | 480 | (Pemble et al., 1994) |
| *XRCC1* | (C>T) (Arg194Trp) | rs1799782 | 5’- GCCCCGTCCCAGGTA – 3’  5’- AGCCCCAAGACCCTTTCACT - 3’ | 60 | RFLP  (MspI) | Undigested Product: 383 bp  C-allele = 346 + 37 bp  T-allele = 383 bp | (Wang et al., 2010) |
| *XPC*  *exon 15* | (A>C) (Lys939Gln) | rs2228001 | 5’ – ACCAGCTCTCAAGCAGAAGC – 3’  5’ – CTGCCTCAGTTTGCCTTCTC – 3’ | 60 | RFLP  (Pvu II) | Undigestyed Product: 281 bp  A-allele = 281  C-allele = 150+131 bp | (Hu et al., 2005) |

**References**

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