**Supplementary Table S1.** Primer and probe sequences used for bisulfite DNA sequencing and methylation-specific PCR assays for *GSTP1* (Genbank accession #M24485)

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| --- | --- | --- | --- |
| **PCR Assay** | **Primers and Probe Sequence** | **Annealing (oC)** | **Location** |
| BSP  | Sense | GSTP1\_S\_F: gggatttgggaaagagggaaa | 57.5 | 999-1409 |
| GSTP1\_S\_R: aacrtcctaaatcccctaaacc |
| Antisense | GSTP1\_AS\_F: ggttttatgttgggagttttga | 52 | 975-1310 |
| GSTP1\_AS\_R: tactccctaaaccccrcta |
| MSP | 5’-end | F: agttgcgcggcgatttc  | 65 | 1034-1149 |
| R: ccgaccgctcttctaa  |
| Probe: FAM-cggtcgacgttcggggtgtagcg-BHQ1 |
| 3’-end [15] | F: tcggaggtcgcgaggtt | 60 | 1200-1265 |
| R: cgcgcgtactcactaataacga |

AS, antisense; BSP, bisulfite-specific PCR; *GSTP1*, glutathione S-transferase π-1; MSP, methylation-specific PCR; PCR, polymerase chain reaction; S, sense; F, forward primer; R, reverse primer