Table S1: Primers and virtual probes used in PCR and sequence analysis

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| **Primer name** | **Primer sequence including Illumina adaptor in bold** | **PCR Specificity** |
| EstFNGS | ***TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG***CTGTGTTGTCCATCACTTCATC | ESTR1 forward |
| EstRNGS | ***GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG***CCATTAGAGACCAATGCTCATC | ESTR1 Reverse |
| **Probe Name** | **Probes sequences-SNP is in bold** | **Probe specificity** |
| rs9340799c | TGTCCCAGC**C**GTTTTATGCT | C |
| rs9340799t | TGTCCCAGC**T**GTTTTATGCT | T |
| rs2234693g | GTGTGGTCT**G**GAGTTGG | G |
| rs2234693a | GTGTGGTCT**A**GAGTTGG | A |