Supplementary Table 3. Primer pairs used in the sequencing of the gene fragments containing the studied SNPs

| Gene | SNP | Product  size [bp] | Primer  5’-3’ | Melting  temp. [°C] | Nucleotide Sequence 5’-3’ |
| --- | --- | --- | --- | --- | --- |
| *HERC2* | rs12913832:A>G | 724 | F | 60.0 | CAGAGGCCCAGTGACAATTT |
|  |  |  | R |  | GCAAGTCAAGGTGCACTCAA |
| *MC1R* | first half of the exon | 609 | F | 60.0 | CAGATGGAAGGAGGCAGG |
|  |  | R |  | AGGGTCACGATGCTGTGGTA |
| *MC1R* | second half of the exon | 748 | F | 60.0 | CTTGTCGGACCTGCTGGTGA |
|  |  | R |  | CTCTGCCCAGCACACTTAAA |
| *OCA2* | rs1800401:C>T | 687 | F | 60.0 | ACTGTTCATTGTCGGGTGGT |
|  |  |  | R |  | AGTGAGCAGCGGAGAGAGAG |
| *SLC24A5* | rs1426654:A>G | 647 | F | 61.0 | CTCACCTACAAGCCCTCTGC |
|  |  |  | R |  | TCCCAGACGACGAACAGTTA |
| *SLC45A2* | rs16891982:C>G | 571 | F | 59.0 | GAGATCTGATGCAGCAAGCA |
|  |  |  | R |  | GGAACCCACTGATTCCAAGA |
| *SLC45A2* | rs28777:C>A | 681 | F | 60.0 | GAACAAAACAAGGTGCGGTT |
|  |  |  | R |  | TCTTTGGCAAGCAATGACAG |
| *TPCN2* | rs3829241:G>A | 675 | F | 59.0 | CCAGAAAAGTGACCACCCAG |
|  |  |  | R |  | TCTGAAAGGTCCCTGTGGA |
| *TPCN2* | rs35264875:A>T | 505 | F | 61.0 | CTCTGTTCTGGCGTTGCAG |
|  |  |  | R |  | CCCAGCCTCCTAAAGACCTC |
| *TYR* | rs1042602:C>A | 993 | F | 59.5 | TCCAATTAGCCAGTTCCTGC |
|  |  |  | R |  | AACAGGGCACCATTTCTGTC |
| *TYRP1* | rs1408799:T>C | 529 | F | 60.0 | TGGAAGACCCAAGGAGCTAA |
|  |  |  | R |  | CATTTTCCTGCAATACACATGC |