Table 1. Description of all single nucleotide polymorphisms analyzed

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Gene | Polymorphism | Functional Consequence | Variant | Major/minor allele frequency | Hardy Weinberg *p*-value |
| ABCB1 | rs1045642 | Synonymous codon | A>G | 0.62/0.38 | 0.37 |
|  | rs1128503 | Synonymous codon | A>G | 0.67/0.33 | 0.63 |
| ADRB1 | rs1801252 | Missense | A>G | 0.83/0.17 | 0.46 |
|  | rs1801253 | Missense | G>C | 0.74/0.26 | 1 |
| CACNA1E | rs3845446 | Intron variant | T>C | 0.7/0.3 | 0.61 |
| COMT | rs4633 | Synonymous codon | C>T | 0.72/0.28 | 0.86 |
|  | rs4680 | Missense | G>A | 0.72/0.28 | 1 |
| DRD2 | rs6277 | Synonymous codon | G>A | 0.94/0.06 | 0.55 |
| ESR1 | rs9340799 | Intron variant | A>G | 0.81/0.19 | 0.25 |
| KCNJ6 | rs6517442 | Upstream variant | C>T | 0.73/0.27 | 0.07 |
|  | rs2070995 | synonymous codon | T>C | 0.61/0.39 | 0.55 |
| OPRM1 | rs1799971 | Intron variant | A>G | 0.69/0.31 | 0.50 |
|  | rs677830 | Intron variant | C>T | 0.89/0.11 | 0.46 |
|  | rs540825 | Intron variant | A>T | 0.92/0.08 | 1 |
| P2RX7 | rs7958311 | Intron variant | G>A | 0.52/0.48 | 0.67 |
| P2RY12 | rs3732765 | Intron variant | G>A | 0.87/0.13 | 1 |
| SCN11A | rs33985936 | Missense | C>T | 0.89/0.11 | 0.48 |
|  | rs11709492 | Intron variant | C>T | 0.74/0.26 | 0.71 |
| SCN10A | rs6795970 | Missense | A>G | 0.86/0.14 | 0.38 |
| SCN9A | rs6746030 | Intron variant | A>G | 0.95/0.05 | 0.36 |
|  | rs4286289 | Intron variant | C>A | 0.56/0.44 | 1 |
|  | 3312G>T | Missense | G>T | 0.9/0.1 | 0.69 |
| TAOK3 | rs795484 | Intron variant | T>C | 0.68/0.32 | 0.74 |
|  | rs1277441 | Intron variant | G>A | 0.59/0.41 | 0.14 |
| TGFB1 | rs1800469 | Downstream variant  | A>G | 0.51/0.49 | 0.26 |
| TRPV1 | rs8065080 | Missense | T>C | 0.64/0.36 | 0.22 |
| UGT2B7 | rs7439366 | Missense | T>C | 0.69/0.31 | 0.87 |
|  | rs2952768 | None | T>C | 0.57/0.43 | 0.77 |

Abbreviations: ABCB1 = ATP binding cassette subfamily B member 1; ADRB1 = adrenoceptor beta 1; CACNA1E = calcium voltage-gated channel subunit alpha1 E; COMT = catechol-O-methyltransferase; DRD2 = dopamine receptor D2; ESR1 = estrogen receptor 1; KCNJ6 = potassium voltage-gated channel subfamily J member 6; OPRM1 = opioid receptor mu 1; P2RX7 = purinergic receptor P2X 7; P2RY12 = purinergic receptor P2Y12; SCN11A = sodium voltage-gated channel alpha subunit 11; SCN10A = sodium voltage-gated channel alpha subunit 10; SCN9A = sodium voltage-gated channel alpha subunit 9; TAOK3 = TAO kinase 3; TGFB1 = transforming growth factor beta 1; TRPV1 = transient receptor potential cation channel subfamily V member 1; UGT2B7 = UDP glucuronosyltransferase family 2 member B7.