

S2 Table. Target regions of the gene panel (84 single nucleotide polymorphisms)

| Gene symbol | rsID | Chromosome | Position | Ensembl ID | Start | End |
|-------------------------|------------|------------|-----------|-----------------|-----------|-----------|
| <i>ABCC6</i> | rs2238472 | 16 | 16251599 | ENSE00001769392 | 16251520 | 16251666 |
| <i>ACE</i> | rs4343 | 17 | 61566031 | ENSE00002349173 | 61566009 | 61566152 |
| <i>AGTR1</i> | rs5182 | 3 | 148459395 | ENSE00001907256 | 148459308 | 148459457 |
| <i>ANKK1</i> | rs1800497 | 11 | 113270828 | ENSE00001130275 | 113270763 | 113270912 |
| <i>APOB</i> | rs1367117 | 2 | 21263900 | ENSE00000932263 | 21263810 | 21263955 |
| <i>APOC3</i> | rs5128 | 11 | 116703640 | ENSE00001413859 | 116703574 | 116703723 |
| <i>APOE</i> | rs7412 | 19 | 45412079 | ENSE00001700162 | 45412089 | 45412238 |
| <i>ATIC</i> | rs2372536 | 2 | 216190020 | ENSE00001906603 | 216189964 | 216190052 |
| <i>ATP7A</i> | rs2227291 | X | 77268502 | ENSE00001628072 | 77268403 | 77268552 |
| <i>BDKRB2</i> | rs1799722 | 14 | 96671139 | ENSE00002276929 | 96671085 | 96671234 |
| <i>C22orf32, CYP2D6</i> | rs5030655 | 22 | 42525085 | ENSE00002338508 | 42525035 | 42525187 |
| <i>C9orf72</i> | rs774359 | 9 | 27561049 | ENSE00001367833 | 27560965 | 27561114 |
| <i>CBR1, SETD4</i> | rs9024 | 21 | 37445313 | ENSE00001734805 | 37445222 | 37445371 |
| | rs20572 | 21 | 37444973 | ENSE00001734805 | 37444922 | 37445071 |
| <i>CBR3</i> | rs1056892 | 21 | 37518706 | ENSE00001044176 | 37518613 | 37518762 |
| | rs8133052 | 21 | 37507501 | ENSE00001044175 | 37507413 | 37507562 |
| <i>CD3EAP, ERCC1</i> | rs3212986 | 19 | 45912736 | ENSE00002263283 | 45912678 | 45912825 |
| <i>CDA</i> | rs60369023 | 1 | 20931474 | ENSE00001041262 | 20931421 | 20931532 |
| | rs2072671 | 1 | 20915701 | ENSE00001465671 | 20915623 | 20915776 |
| <i>CHRNA4</i> | rs1044396 | 20 | 61981134 | ENSE00002112075 | 61981049 | 61981198 |
| | rs2236196 | 20 | 61977556 | ENSE00001452193 | 61977499 | 61977648 |
| | rs4148950 | 10 | 73771706 | ENSE00001459536 | 73771620 | 73771769 |
| | rs1871450 | 10 | 73772014 | ENSE00001459536 | 73771920 | 73772069 |
| | rs12418 | 10 | 73773014 | ENSE00001459536 | 73772920 | 73773069 |
| <i>CHST3</i> | rs4148943 | 10 | 73769507 | ENSE00001459536 | 73769420 | 73769569 |
| | rs4148945 | 10 | 73769590 | ENSE00001459536 | 73769520 | 73769669 |
| | rs4148947 | 10 | 73770117 | ENSE00001459536 | 73770020 | 73770169 |
| | rs730720 | 10 | 73772762 | ENSE00001459536 | 73772670 | 73772819 |
| | rs165599 | 22 | 19956781 | ENSE00001297813 | 19956713 | 19956862 |
| <i>COMT</i> | rs4646316 | 22 | 19952132 | ENSE00001554634 | 19952070 | 19952219 |
| | rs4680 | 22 | 19951271 | ENSE00001295143 | 19951220 | 19951369 |

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|-----------------------|------------|----|-----------|-----------------|-----------|-----------|
| <i>CYBA</i> | rs4673 | 16 | 88713236 | ENSE00001113677 | 88713163 | 88713252 |
| <i>CYP4B1</i> | rs4646487 | 1 | 47279175 | ENSE00001690282 | 47279154 | 47279278 |
| <i>CYP4F2</i> | rs2108622 | 19 | 15990431 | ENSE00001608537 | 15990414 | 15990478 |
| <i>DRD3</i> | rs6280 | 3 | 113890815 | ENSE00001225059 | 113890735 | 113890874 |
| <i>EGFR</i> | rs712829 | 7 | 55086755 | ENSE00001633131 | 55086725 | 55086874 |
| | rs2292566 | 1 | 226019653 | ENSE00001836308 | | |
| <i>EPHX1, PARP1</i> | rs1051740 | 1 | 226019633 | ENSE00001836308 | 226000000 | 226000000 |
| | rs2234922 | 1 | 226026406 | ENSE00000962130 | 226026355 | 226026525 |
| <i>ERBB2</i> | rs1136201 | 17 | 37879588 | ENSE00001121070 | 37879572 | 37879710 |
| <i>ERCC1</i> | rs11615 | 19 | 45923653 | ENSE00000749055 | 45923582 | 45923685 |
| | rs13181 | 19 | 45854919 | ENSE00002225456 | 45854887 | 45854979 |
| <i>ERCC2</i> | rs1799793 | 19 | 45867259 | ENSE00002244461 | 45867244 | 45867377 |
| <i>ESR2</i> | rs4986938 | 14 | 64699816 | ENSE00001564600 | 64699747 | 64699893 |
| <i>FCGR3A</i> | rs396991 | 1 | 161514542 | ENSE00002415838 | 161514491 | 161514668 |
| <i>FKBP5</i> | rs3800373 | 6 | 35542476 | ENSE00001193215 | 35542420 | 35542569 |
| <i>GGH</i> | rs11545078 | 8 | 63938764 | ENSE00000928431 | 63938717 | 63938855 |
| <i>GNB3</i> | rs5443 | 12 | 6954875 | ENSE00002278155 | 6954818 | 6954966 |
| | rs17238540 | 5 | 74655498 | ENSE00002084757 | 74655443 | 74655592 |
| <i>HMGCR</i> | rs3846662 | 5 | 74651084 | ENSE00002086875 | 74650993 | 74651142 |
| <i>HSPA1L</i> | rs2227956 | 6 | 31778272 | ENSE00001943225 | 31778236 | 31778385 |
| <i>HTR2C</i> | rs518147 | X | 113818582 | ENSE00001289925 | 113818551 | 113818700 |
| <i>KCNJ11</i> | rs5219 | 11 | 17409572 | ENSE00001366321 | 17409507 | 17409638 |
| <i>KIF6</i> | rs20455 | 6 | 39325078 | ENSE00001086070 | 39325053 | 39325150 |
| <i>LRP2</i> | rs2075252 | 2 | 170010985 | ENSE00002418879 | 170010970 | 170011113 |
| <i>MAML1</i> | rs730012 | 5 | 179220638 | ENSE00002065753 | | |
| | rs1801131 | 1 | 11854476 | ENSE00001225813 | 11854415 | 11854595 |
| <i>MTHFR</i> | rs1801133 | 1 | 11856378 | ENSE00001225832 | 11856311 | 11856456 |
| <i>NOS3</i> | rs1799983 | 7 | 150696111 | ENSE00001088139 | 150696034 | 150696173 |
| <i>NPPA-AS1, NPPA</i> | rs5065 | 1 | 11906068 | ENSE00001470668 | 11905941 | 11906071 |
| <i>OPRM1</i> | rs1799971 | 6 | 154360797 | ENSE00001428473 | 154360696 | 154360845 |
| <i>PICK1</i> | rs2076369 | 22 | 38463652 | ENSE00001921127 | 38463577 | 38463727 |
| | rs3734254 | 6 | 35395010 | ENSE00001401034 | 35394935 | 35395085 |
| <i>PPARD</i> | rs2016520 | 6 | 35378778 | ENSE00002212717 | 35378764 | 35378914 |
| <i>PPP1R9A</i> | rs854547 | 7 | 94923856 | ENSE00001390261 | 94923781 | 94923931 |

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|-----------------------------------|------------|----|-----------|-----------------|-----------|-----------|
| <i>RRM1</i> | rs9937 | 11 | 4159457 | ENSE00002166805 | 4159425 | 4159575 |
| <i>SLC10A2</i> | rs2301159 | 13 | 103697728 | ENSE00000854033 | 103697653 | 103697803 |
| <i>SLC19A1</i> | rs1051266 | 21 | 46957794 | ENSE00001872362 | 46957719 | 46957869 |
| <i>SLC22A16</i> | rs714368 | 6 | 110778128 | ENSE00001933561 | 110778053 | 110778203 |
| <i>SOD2</i> | rs4880 | 6 | 160113872 | ENSE00001643760 | 160113745 | 160113895 |
| <i>SPECC1L, ADORA2A, C22orf45</i> | rs2298383 | 22 | 24825511 | ENSE00002309813 | 24825436 | 24825586 |
| <i>SPG7</i> | rs12960 | 16 | 89620328 | ENSE00002304833 | 89620218 | 89620368 |
| | rs2292954 | 16 | 89613123 | ENSE00001434018 | 89613066 | 89613168 |
| <i>SULT1C4</i> | rs1402467 | 2 | 108994808 | ENSE00001926333 | 108994733 | 108994883 |
| <i>TLR3</i> | rs3775291 | 4 | 187004074 | ENSE00002051030 | 187003999 | 187004149 |
| <i>TMPRSS3, KCNJ6</i> | rs2070995 | 21 | 39086965 | ENSE00001033313 | 39086890 | 39087040 |
| <i>TP53</i> | rs1042522 | 17 | 7579472 | ENSE00002359670 | 7579397 | 7579547 |
| <i>TYMS, C18orf56</i> | rs45445694 | 18 | 657646 | ENSE00001753233 | 657604 | 657754 |
| <i>VDR</i> | rs731236 | 12 | 48238757 | ENSE00002372083 | 48238638 | 48238788 |
| | rs7294 | 16 | 31102321 | ENSE00001820260 | 31102246 | 31102396 |
| <i>VKORC1</i> | rs9934438 | 16 | 31104878 | ENSE00001921254 | 31104803 | 31104953 |
| <i>XPC</i> | rs2228001 | 3 | 14187449 | ENSE00001914924 | 14187374 | 14187524 |
| <i>XRCC1</i> | rs25487 | 19 | 44055726 | ENSE00000710568 | 44055719 | 44055869 |
| <i>ZBTB42</i> | rs3803300 | 14 | 105269779 | ENSE00001213415 | 105269704 | 105269854 |
