

| No. | Symbol | Accession No. |
|-----|---------|---------------------|
| 1 | AADAC | NM_001086 |
| 2 | AANAT | NM_001088 |
| 3 | ABCB1 | NM_000927 |
| 4 | ABCC1 | NM_019902 |
| 5 | ABP1 | NM_001091 |
| 6 | ACSL1 | NM_001995 |
| 7 | ACSL3 | NM_004457,NM_203372 |
| 8 | ACSL4 | NM_022977 |
| 9 | ACSM3 | NM_202000 |
| 10 | ADH4 | NM_000670 |
| 11 | ADH6 | NM_000672 |
| 12 | ADH7 | NM_000673 |
| 13 | AGXT | NM_000030 |
| 14 | AHR | NM_001621 |
| 15 | ALAD | NM_001003945 |
| 16 | ALDH1A1 | NM_000689 |
| 17 | ALDH1A2 | NM_170697 |
| 18 | ALDH1A3 | NM_000693 |
| 19 | ALDH1B1 | NM_000692 |
| 20 | ALDH2 | NM_000690 |
| 21 | ALDH3A1 | NM_000691 |
| 22 | ALDH3A2 | NM_001031806 |
| 23 | ALDH3B1 | NM_001030010 |
| 24 | ALDH4A1 | NM_003748,NM_170726 |
| 25 | ALDH5A1 | NM_001080 |
| 26 | ALDH6A1 | NM_005589 |
| 27 | ALDH7A1 | NM_001182 |
| 28 | ALDH8A1 | NM_170771 |
| 29 | ALDH9A1 | NM_000696 |
| 30 | ALOX12 | NM_000697 |
| 31 | ALOX15 | NM_001140 |
| 32 | ALOX5 | NM_000698 |
| 33 | APOE | NM_000041 |
| 34 | ARNT | NM_001668 |
| 35 | AS3MT | NM_020682 |
| 36 | ASMT | NM_004043 |
| 37 | ASNA1 | NM_004317 |
| 38 | BAAT | NM_001701 |
| 39 | BLVRA | NM_000712 |
| 40 | BLVRB | NM_000713 |
| 41 | CCBL1 | NM_004059 |
| 42 | CEL | NM_001807 |
| 43 | CES1 | NM_001025194 |
| 44 | CES2 | NM_003869 |
| 45 | CHST1 | NM_003654 |
| 46 | COMT | NM_007310 |
| 47 | CYB5R3 | NM_007326 |
| 48 | CYP11A1 | NM_000781 |
| 49 | CYP17A1 | NM_000102 |
| 50 | CYP19A1 | NM_000103,NM_031226 |
| 51 | CYP1A1 | NM_000499 |
| 52 | CYP1A2 | NM_000761 |
| 53 | CYP1B1 | NM_000104 |
| 54 | CYP21A2 | NM_000500 |
| 55 | CYP24A1 | NM_000782 |
| 56 | CYP26A1 | NM_057157 |
| 57 | CYP26B1 | NM_019885 |
| 58 | CYP26C1 | NM_183374 |
| 59 | CYP27A1 | NM_000784 |
| 60 | CYP27B1 | NM_000785 |
| 61 | CYP2A13 | NM_000766 |
| 62 | CYP2B6 | NM_000767 |
| 63 | CYP2D6 | NM_000106 |

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| 64 | CYP2J2 | NM_000775 |
| 65 | CYP2R1 | NM_024514 |
| 66 | CYP2S1 | NM_030622 |
| 67 | CYP2W1 | NM_017781 |
| 68 | CYP3A43 | NM_022820 |
| 69 | CYP3A5 | NM_000777 |
| 70 | CYP4B1 | NM_000779 |
| 71 | CYP4F12 | NM_023944 |
| 72 | CYP4F8 | NM_007253 |
| 73 | CYP7A1 | NM_000780 |
| 74 | CYP7B1 | NM_004820 |
| 75 | CYP8B1 | NM_004391 |
| 76 | DDOST | NM_005216 |
| 77 | DHRS2 | NM_005794 |
| 78 | DPYD | NM_000110 |
| 79 | EPHX1 | NM_000120 |
| 80 | EPHX2 | NM_001979 |
| 81 | ESD | NM_001984 |
| 82 | FAAH | NM_001441 |
| 83 | FBP1 | NM_000507 |
| 84 | FMO1 | NM_002021 |
| 85 | FMO2 | NM_001460 |
| 86 | FMO3 | NM_006894,NM_001002294 |
| 87 | FMO4 | NM_002022 |
| 88 | FMO5 | NM_001461 |
| 89 | GAD1 | NM_013445 |
| 90 | GAMT | NM_000156 |
| 91 | GCKR | NM_001486 |
| 92 | GLYAT | NM_005838 |
| 93 | GNMT | NM_018960 |
| 94 | GPI | NM_000175 |
| 95 | GPX1 | NM_201397 |
| 96 | GPX2 | NM_002083 |
| 97 | GPX3 | NM_002084 |
| 98 | GPX4 | NM_001039847 |
| 99 | GPX5 | NM_001509 |
| 100 | GSR | NM_000637 |
| 101 | GSTA4 | NM_001512 |
| 102 | GSTK1 | NM_015917 |
| 103 | GSTM2 | NM_000848 |
| 104 | GSTM3 | NM_000849 |
| 105 | GSTM5 | NM_000851 |
| 106 | GSTO1 | NM_004832 |
| 107 | GSTO2 | NM_183239 |
| 108 | GSTP1 | NM_000852 |
| 109 | GSTT1 | NM_000853 |
| 110 | GSTZ1 | NM_001513 |
| 111 | GZMA | NM_006144 |
| 112 | GZMB | NM_004131 |
| 113 | HK2 | NM_000189 |
| 114 | HNMT | NM_006895 |
| 115 | HSD17B1 | NM_000413 |
| 116 | HSD17B2 | NM_002153 |
| 117 | HSD17B3 | NM_000197 |
| 118 | INMT | NM_006774 |
| 119 | ITPA | NM_181493 |
| 120 | LPO | NM_006151 |
| 121 | MAOA | NM_000240 |
| 122 | MAOB | NM_000898 |
| 123 | MGC11332 | NM_032718 |
| 124 | MGST1 | NM_020300,NM_145791, NM_145792,NM_145764 |
| 125 | MGST2 | NM_002413 |
| 126 | MGST3 | NM_004528 |

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| 127 | MPO | NM_000250 |
| 128 | MT3 | NM_005954 |
| 129 | MTHFR | NM_005957 |
| 130 | NAT1 | NM_000662 |
| 131 | NAT2 | NM_000015 |
| 132 | NAT5 | NM_181527 |
| 133 | NNMT | NM_006169 |
| 134 | NOS3 | NM_000603 |
| 135 | NQO1 | NM_000903 |
| 136 | NQO2 | NM_000904 |
| 137 | PKLR | NM_000298 |
| 138 | PKM2 | NM_002654,NM_182472,NM_182470 |
| 139 | PNMT | NM_002686 |
| 140 | PON1 | NM_000446 |
| 141 | PON2 | NM_000305 |
| 142 | PON3 | NM_000940 |
| 143 | PTGES | NM_004878 |
| 144 | PTGS1 | NM_080591 |
| 145 | PTGS2 | NM_000963 |
| 146 | SAT1 | NM_002970 |
| 147 | SMARCAL1 | NM_014140 |
| 148 | SNN | NM_003498 |
| 149 | SRD5A1 | NM_001047 |
| 150 | SRD5A2 | NM_000348 |
| 151 | SULT1B1 | NM_014465 |
| 152 | SULT1C1 | NM_001056 |
| 153 | SULT1C2 | NM_006588 |
| 154 | SULT1E1 | NM_005420 |
| 155 | SULT2A1 | NM_003167 |
| 156 | SULT2B1 | NM_004605 |
| 157 | SULT4A1 | NM_014351 |
| 158 | SULT6B1 | NM_001032377 |
| 159 | TPMT | NM_000367 |
| 160 | UCHL1 | NM_004181 |
| 161 | UCHL3 | NM_006002 |
| 162 | UGT1A1 | NM_000463 |
| 163 | UGT1A6 | NM_001072 |
| 164 | UGT2A1 | NM_006798 |
| 165 | UGT8 | NM_003360 |
| 166 | XDH | NM_000379 |