## Top 20 differentiated ADME SNPs between all populations

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SNP | Gene | Maj/Min | MAF | | | | | | | | | | | | FST | | PharmGKB CA drugs  (evidence level) |
| Sin | Tam | Moors | CHS | MAS | INS | GIH | PJL | BEB | STU | ITU | CEU | SL-CEU | All |
| rs11150606 | *VKORC1* | A/G | 0.000 | 0.000 | 0.039 | 0.818 | 0.659 | 0.013 | 0.029 | 0.016 | 0.035 | 0.000 | 0.005 | 0.035 | 0.019 | 0.620 | Warfarin |
| rs749671 | *VKORC1\_ZNF646* | G/A | 0.102 | 0.063 | 0.132 | 0.898 | 0.759 | 0.135 | 0.175 | 0.198 | 0.157 | 0.108 | 0.093 | 0.429 | 0.142 | 0.360 |  |
| rs2359612 | *VKORC1* | G/A | 0.102 | 0.056 | 0.132 | 0.898 | 0.753 | 0.135 | 0.175 | 0.198 | 0.157 | 0.108 | 0.093 | 0.429 | 0.146 | 0.359 | Warfarin |
| rs9923231 | *VKORC1* | G/A | 0.102 | 0.056 | 0.132 | 0.898 | 0.753 | 0.135 | 0.175 | 0.198 | 0.157 | 0.108 | 0.093 | 0.429 | 0.146 | 0.359 | Warfarin (1A), acenocoumarol (1B), phenprocoumon (3) |
| rs9934438 | *VKORC1* | G/A | 0.102 | 0.063 | 0.132 | 0.898 | 0.756 | 0.135 | 0.175 | 0.198 | 0.157 | 0.108 | 0.093 | 0.429 | 0.142 | 0.359 | Acenocoumarol, warfarin (1B), phenprocoumon (2A), fluindione (3) |
| rs4988235 | *MCM6* | G/A | 0.010 | 0.035 | 0.026 | 0.000 | 0.006 | 0.135 | 0.141 | 0.260 | 0.058 | 0.049 | 0.059 | 0.737 | 0.592 | 0.354 |  |
| rs885479 | *MC1R* | G/A | 0.010 | 0.021 | 0.046 | 0.610 | 0.517 | 0.051 | 0.015 | 0.036 | 0.076 | 0.034 | 0.044 | 0.081 | 0.019 | 0.346 |  |
| rs3805322 | *ADH4* | A/G | 0.000 | 0.000 | 0.000 | 0.426 | 0.080 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.344 |  |
| rs5743810 | *TLR6* | G/A | 0.020 | 0.021 | 0.013 | 0.000 | 0.000 | 0.026 | 0.029 | 0.036 | 0.017 | 0.005 | 0.000 | 0.485 | 0.350 | 0.330 |  |
| rs3737482 | *ADH7* | A/G | 0.000 | 0.000 | 0.007 | 0.392 | 0.069 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.000 | 0.005 | 0.300 |  |
| rs4767944 | *ALDH2* | G/A | 0.153 | 0.104 | 0.125 | 0.705 | 0.529 | 0.032 | 0.073 | 0.068 | 0.140 | 0.078 | 0.059 | 0.000 | 0.039 | 0.299 |  |
| rs3824903 | *SLCO2B1* | A/C | 0.031 | 0.021 | 0.026 | 0.455 | 0.402 | 0.019 | 0.024 | 0.021 | 0.035 | 0.044 | 0.044 | 0.020 | 0.001 | 0.260 |  |
| rs2287616 | *ABCB11* | A/G | 0.000 | 0.028 | 0.026 | 0.261 | 0.385 | 0.000 | 0.000 | 0.005 | 0.029 | 0.015 | 0.000 | 0.000 | 0.014 | 0.245 |  |
| rs16945930 | *ABCC11* | G/A | 0.000 | 0.000 | 0.007 | 0.324 | 0.287 | 0.000 | 0.015 | 0.000 | 0.012 | 0.000 | 0.000 | 0.015 | 0.007 | 0.244 |  |
| rs3899743 | *SLCO1B1* | G/A | 0.010 | 0.021 | 0.020 | 0.403 | 0.385 | 0.058 | 0.024 | 0.026 | 0.052 | 0.029 | 0.025 | 0.000 | 0.006 | 0.237 |  |
| rs3781723 | *SLCO2B1* | A/G | 0.031 | 0.028 | 0.026 | 0.443 | 0.431 | 0.032 | 0.034 | 0.042 | 0.064 | 0.059 | 0.044 | 0.035 | 4.08E-04 | 0.234 |  |
| rs3815675 | *ABCB11* | A/G | 0.000 | 0.028 | 0.026 | 0.256 | 0.351 | 0.000 | 0.000 | 0.005 | 0.023 | 0.015 | 0.000 | 0.000 | 0.014 | 0.225 |  |
| rs4149085 | *SLCO1B1* | A/G | 0.000 | 0.042 | 0.046 | 0.386 | 0.391 | 0.045 | 0.019 | 0.047 | 0.087 | 0.029 | 0.029 | 0.000 | 0.023 | 0.211 |  |
| rs9971942 | *ALDH2* | G/A | 0.337 | 0.299 | 0.316 | 0.892 | 0.787 | 0.231 | 0.204 | 0.214 | 0.302 | 0.294 | 0.299 | 0.187 | 0.017 | 0.207 |  |
| rs4363657 | *SLCO1B1* | A/G | 0.031 | 0.076 | 0.099 | 0.528 | 0.517 | 0.090 | 0.058 | 0.078 | 0.145 | 0.049 | 0.088 | 0.157 | 0.025 | 0.205 |  |

Maj: major allele, min: minor allele, MAF: minor allele frequency, CA: clinical annotation, Sin: Sinhalese, Tam: Tamils, SL: Sri Lanka