## Top 20 differentiated ADME SNPs between SL and SGVP populations

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| --- | --- | --- | --- | --- | --- |
| SNP | Gene | Maj/Min | MAF | FST | PharmGKB CA drugs(evidence level) |
| Sinha | Tamils | Moors | CHS | MAS | INS | SL-INS | SL-SGVP |
| rs11150606 | *VKORC1* | A/G | 0.000 | 0.000 | 0.039 | 0.818 | 0.659 | 0.013 | 0.020 | 0.627 | Warfarin (3) |
| rs2359612 | *VKORC1* | G/A | 0.102 | 0.056 | 0.132 | 0.898 | 0.753 | 0.135 | 0.011 | 0.519 | Warfarin (2A) |
| rs9923231 | *VKORC1* | G/A | 0.102 | 0.056 | 0.132 | 0.898 | 0.753 | 0.135 | 0.010 | 0.519 | Warfarin (1A), acenocoumarol (1B) |
| rs749671 | *VKORC1\_ZNF646* | G/A | 0.102 | 0.063 | 0.132 | 0.898 | 0.759 | 0.135 | 0.009 | 0.518 |  |
| rs9934438 | *VKORC1* | G/A | 0.102 | 0.063 | 0.132 | 0.898 | 0.756 | 0.135 | 0.009 | 0.517 | Acenocoumarol, warfarin (1B), phenprocoumon (2A), fluindione (3) |
| rs885479 | *MC1R* | G/A | 0.010 | 0.021 | 0.046 | 0.610 | 0.517 | 0.051 | 0.009 | 0.385 |  |
| rs4767944 | *ALDH2* | G/A | 0.153 | 0.104 | 0.125 | 0.705 | 0.529 | 0.032 | 0.022 | 0.313 |  |
| rs3805322 | *ADH4* | A/G | 0.000 | 0.000 | 0.000 | 0.426 | 0.080 | 0.000 | 0.000 | 0.313 |  |
| rs3737482 | *ADH7* | A/G | 0.000 | 0.000 | 0.007 | 0.392 | 0.069 | 0.006 | 0.003 | 0.277 |  |
| rs3824903 | *SLCO2B1* | A/C | 0.031 | 0.021 | 0.026 | 0.455 | 0.402 | 0.019 | 0.001 | 0.273 |  |
| rs9971942 | *ALDH2* | G/A | 0.337 | 0.299 | 0.316 | 0.892 | 0.787 | 0.231 | 0.008 | 0.272 |  |
| rs3781723 | *SLCO2B1* | A/G | 0.031 | 0.028 | 0.026 | 0.443 | 0.431 | 0.032 | 1.81E-04 | 0.268 |  |
| rs163077 | *CYP1B1* | G/A | 0.235 | 0.229 | 0.257 | 0.739 | 0.810 | 0.244 | 0.001 | 0.262 |  |
| rs4363657 | *SLCO1B1* | A/G | 0.031 | 0.076 | 0.099 | 0.528 | 0.517 | 0.090 | 0.010 | 0.261 |  |
| rs3738985 | *SLC3A1* | C/A | 0.102 | 0.132 | 0.138 | 0.710 | 0.517 | 0.186 | 0.008 | 0.257 |  |
| rs886205 | *ALDH2* | A/G | 0.347 | 0.326 | 0.349 | 0.915 | 0.764 | 0.244 | 0.009 | 0.256 |  |
| rs2066714 | *ABCA1* | A/G | 0.153 | 0.118 | 0.164 | 0.693 | 0.529 | 0.122 | 0.003 | 0.249 |  |
| rs3899743 | *SLCO1B1* | G/A | 0.010 | 0.021 | 0.020 | 0.403 | 0.385 | 0.058 | 0.012 | 0.237 |  |
| rs6022 | *F5* | C/A | 0.194 | 0.201 | 0.257 | 0.750 | 0.690 | 0.234 | 0.004 | 0.236 |  |
| rs12906432 | *ALDH1A3* | C/A | 0.306 | 0.354 | 0.336 | 0.892 | 0.718 | 0.244 | 0.008 | 0.233 |  |

Maj: major allele, min: minor allele, MAF: minor allele frequency, CA: clinical annotation, Sinha: Sinhalese.