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

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SNP | Gene | Maj/Min | MAF | | | | | | | | FST | | | | | |
| Sin | Tam | Moors | GIH | PJL | BEB | STU | ITU | SL-GIH | SL-PJL | SL-BEB | SL-STU | SL-ITU | SL-SAS |
| rs4988235 | *MCM6* | G/A | 0.010 | 0.035 | 0.026 | 0.141 | 0.260 | 0.058 | 0.049 | 0.059 | **0.053** | **0.139** | 0.010 | 0.007 | 0.010 | 0.081 |
| rs3131787 | *SFTA2* | A/G | 0.010 | 0.007 | 0.026 | 0.078 | 0.167 | 0.012 | 0.020 | 0.029 | 0.027 | **0.088** | 0.004 | 0.004 | 0.005 | 0.063 |
| rs609290 | *CYP4F12* | G/A | 0.102 | 0.097 | 0.039 | 0.257 | 0.260 | 0.198 | 0.270 | 0.255 | **0.060** | **0.062** | 0.033 | **0.066** | **0.059** | 0.049 |
| rs225434 | *ABCG1* | G/A | 0.000 | 0.007 | 0.007 | 0.107 | 0.047 | 0.012 | 0.015 | 0.010 | **0.068** | 0.023 | 0.003 | 0.004 | 0.002 | 0.045 |
| rs7671342 | *UGT2B17* | A/G | 0.092 | 0.029 | 0.067 | 0.194 | 0.214 | 0.221 | 0.132 | 0.181 | 0.044 | **0.053** | **0.057** | 0.019 | 0.038 | 0.038 |
| rs1116221 | *TRIM31* | G/A | 0.194 | 0.285 | 0.145 | 0.417 | 0.318 | 0.238 | 0.176 | 0.324 | **0.056** | 0.027 | 0.016 | 0.017 | 0.028 | 0.037 |
| rs2429292 | *LOC100287207* | G/A | 0.000 | 0.000 | 0.000 | 0.044 | 0.083 | 0.105 | 0.064 | 0.093 | 0.033 | **0.064** | **0.081** | 0.049 | **0.072** | 0.037 |
| rs4847195 | *ABCA4* | A/G | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.039 | 0.000 | 0.000 | 0.000 | 0.000 | 0.030 | 0.000 | 0.034 |
| rs1132054 | *SULT2B1* | G/A | 0.378 | 0.285 | 0.355 | 0.437 | 0.615 | 0.465 | 0.397 | 0.451 | 0.013 | **0.064** | 0.018 | 0.008 | 0.015 | 0.034 |
| rs2076484 | *UBD* | A/G | 0.276 | 0.132 | 0.118 | 0.107 | 0.078 | 0.215 | 0.142 | 0.088 | 0.035 | 0.043 | 0.027 | 0.029 | 0.040 | 0.032 |
| rs2076486 | *UBD* | A/G | 0.276 | 0.132 | 0.118 | 0.107 | 0.078 | 0.215 | 0.142 | 0.088 | 0.035 | 0.043 | 0.027 | 0.029 | 0.040 | 0.032 |
| rs4150351 | *ERCC5* | A/C | 0.071 | 0.063 | 0.066 | 0.039 | 0.182 | 0.041 | 0.029 | 0.064 | 0.003 | 0.029 | 0.002 | 0.005 | 1.90E-04 | 0.031 |
| rs11752262 | *HCP5* | A/G | 0.224 | 0.160 | 0.289 | 0.175 | 0.135 | 0.349 | 0.225 | 0.137 | 0.015 | 0.022 | 0.026 | 0.012 | 0.022 | 0.030 |
| rs11045913 | *SLCO1B1/1A2* | G/A | 0.296 | 0.500 | 0.441 | 0.597 | 0.391 | 0.494 | 0.480 | 0.529 | 0.048 | 0.023 | 0.028 | 0.026 | 0.033 | 0.029 |
| rs915894 | *NOTCH4* | A/C | 0.286 | 0.285 | 0.283 | 0.500 | 0.427 | 0.477 | 0.338 | 0.358 | 0.039 | 0.018 | 0.031 | 0.003 | 0.005 | 0.029 |
| rs3756979 | *GSTA4* | A/C | 0.020 | 0.000 | 0.013 | 0.000 | 0.000 | 0.052 | 0.000 | 0.000 | 0.009 | 0.009 | 0.018 | 0.009 | 0.009 | 0.028 |
| rs2617805 | *SULT2B1* | A/G | 0.235 | 0.338 | 0.289 | 0.121 | 0.135 | 0.233 | 0.279 | 0.196 | 0.035 | 0.030 | 0.010 | 0.007 | 0.015 | 0.028 |
| rs12443580 | *CES1* | A/G | 0.149 | 0.143 | 0.287 | 0.248 | 0.375 | 0.285 | 0.289 | 0.289 | 0.024 | **0.052** | 0.029 | 0.030 | 0.030 | 0.028 |
| rs2516699 | *FLJ45422* | A/C | 0.398 | 0.514 | 0.474 | 0.563 | 0.583 | 0.308 | 0.480 | 0.490 | 0.015 | 0.018 | 0.025 | 0.007 | 0.008 | 0.028 |
| rs2523746 | *FLJ45422* | G/A | 0.398 | 0.514 | 0.474 | 0.563 | 0.583 | 0.308 | 0.480 | 0.490 | 0.015 | 0.018 | 0.025 | 0.007 | 0.008 | 0.028 |

FST values > 0.05 in comparisons with individual SAS populations are bolded.

Maj: major allele, min: minor allele, MAF: minor allele frequency, Sin: Sinhalese, Tam: Tamils