Table S1: Details of custom genotyping panel

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| **Gene** | **Reference SNP ID** | **Associated haplotypes** | **Type of variation** |
| CYP1A2 | rs2069514 | \*1C; \*1L | G>A |
|  | rs762551 | \*1F; \*1L | C>A |
| CYP2B6 | rs3745274 | \*6 | G>T |
| CYP2C9 | rs1799853 | \*2 | C>T |
|  | rs1057910 | \*3 | A>C |
| CYP2C19 | rs12248560 | \*4B; \*17 | C>T |
|  | rs4986893 | \*3 | G>A |
|  | rs4244285 | \*2 | G>A |
|  | rs28399504 | \*4A; \*4B | A>G |
| CYP2D6 | rs1065852 | \*4; \*10; \*36; \*69 | G>A |
|  | rs28371725 | \*41; \*69 | C>T |
|  | rs35742686 | \*3 | T>Del |
|  | rs3892097 | \*4; \*4M | C>T |
|  | rs5030655 | \*6 | A>Del |
|  | rs5030656 | \*9; \*109 | CTT>Del |
|  | rs5030862 | \*12 | C>T |
|  | rs5030867 | \*7 | T>G |
|  | rs59421388 | \*29; \*109 | C>T |
|  |  | \*5 | Whole gene deletion |
|  |  | \*36 | Partial deletion |
| CYP3A4 | rs35599367 | \*22 | G>A |
| CYP3A5 | rs776746 | \*3 | C>T |
|  | rs10264272 | \*6 | C>T |
| Factor V | rs6025 | Leiden mutation | C>T |
| HLA-B | rs2395029 | \*5701 | T>G |
| MTHFR | rs1801133 | 677T (high risk allele) | G>A |
| SLCO1B1 | rs4149056 | 521C (high risk allele) | T>C |
| TPMT | rs1800462 | \*2 | C>G |
|  | rs1142345 | \*3A; \*3C | T>C |
|  | rs1800460 | \*3A; \*3B | C>T |
| UGT1A1 | N/A | \*28; \*36; \*37 | TA-repeat |
| VKORC1 | rs9934438 | \*2 | G>A |