

Genotypes of pharmacogenetic loci - data from one lab

| | LDT PCR/ Luminex | LDT PCR/ Luminex | TaqMan® probe-based detection assay | AutoGenomics | Autogenomics | Osmetech eSensor | LABType®S SO kit (One Lambda) | Applied Biosystems Taqman Drug Metabolism Genotyping Assays | Applied Biosystems Taqman Drug Metabolism Genotyping Assays |
|---|---|---------------------------------|--|---|--|---------------------------|-------------------------------------|--|--|
| Coriell DNA/Cell line number | TPMT (G238C, G460A, A719G) | DPD (IVS14+1 G>A) | KIF6 (Trp719Arg) | CYP3A4 (-392 A>G/*1B, 15713 T>C/*2, 23272 T>C/*3, 21896 C>T/*12, 15615 T>C/*17) | CYP3A5 (31611 C>T/*1D, 27289 C>A/*2, 6986 A>G/*3, 3709_3710insG/*3B, 14690 G>A/*6, 27131_27132insT/*7, 3699 C>T/*8, 18386 G>A/*9) | CYP4F2 (V433M) | HLA-B variant 1/2 | EPHX1 g.3203T>C / g.3156G>A | ABCB1 g.90856C>T (C.3435C>T) / g.68883G>T/A (c.2677G>A/T) |
| NA02016 | WT/WT | WT/WT | CC | *1B | *1D,*3 | WT | *53/*58 | TT/GG | CC/GG |
| NA07439 | WT/WT | WT/WT | CC | *1 | *1 | WT | *4202/*53 | TT/GG | CC/GG |
| NA09301 | G460A/A719G | WT/WT | TC | *1 | *1D,*1D,*3,*3 | V433M/WT | *13/*4901 | TT/GG | CT/GT |
| NA10005 | WT/WT | WT/WT | TC | *1B,*1B | *1 | V433M/WT | *15/*44 | TT/GG | CC/GG |
| NA12244 | WT/WT | WT/WT | TT | *1 | *1D,*1D,*3,*3 | WT | *15/*41 | TT/GG | TT/GT |
| NA12273 | WT/WT | WT/WT | TC | *1 | *1D,*1D,*3,*3 | V433M/WT | *35/*44 | TT/GG | TT/GT |
| NA16654 | WT/WT | WT/WT | TT | *1 | *1D,*1D,*3,*3 | V433M/WT | *15/*51 | | |
| NA16688 | WT/WT | WT/WT | CC | *1 | *1D,*1D,*3,*3 | V433M/WT | *15/*35 | | |
| NA16689 | WT/WT | WT/WT | TT | *1 | *1D,*1D,*3,*3 | WT | *13/*51 | | |
| NA17019 | | | TC | *1 | *1D,*3,*3 | V433M/WT | *15/*15 | | |
| NA17020 | WT/WT | WT/WT | TC | *1 | *1D,*3 | V433M/WT | *38/*38 | | |
| NA17039 | WT/WT | WT/WT | CC | *1 | *1D,*1D,*3,*3 | WT | *35/*4202 | TT/GG | CC/GG |
| NA17052 | WT/WT | WT/WT | TT | *1 | *1D,*3 | WT | *39/*44 | TC/GG | CT/GT |
| NA17057 | WT/WT | WT/WT | CC | *1 | *1D,*1D,*3,*3 | V433M/V433M | *1511/*44 | CC/GG | CC/GG |
| NA17058 | WT/WT | WT/WT | TC | *1 | *1D,*3 | WT | *13/*40 | CC/GG | TT/TT |
| NA17073 | | | CC | *1 | *1D,*1D,*3,*3 | V433M/WT | *27/*44 | | |
| NA17075 | | | TC | *1 | *1D,*1D,*3,*3 | WT | *4901/*49 | | |
| NA17078 | WT/WT | WT/WT | CC | *1B | *1D,*3 | WT | *4403/*5703 | | |
| NA17084 | WT/WT | WT/WT | TC | *1 | *1D,*1D,*3,*3 | V433M/V433M | *38/*40 | TC/GG | CC/GT |
| NA17114 | WT/WT | WT/WT | TC | *1B | *1D,*3 | WT | *1517/*1517 | TC/GG | CC/GG |
| NA17115 | WT/WT | WT/WT | CC | *1B | *1D,*3 | WT | *15/*5703 | TT/GG | CC/GG |
| NA17119 | WT/WT | WT/WT | CC | *1B,*1B | *6 | WT | *35/*4202 | TT/GG | CC/GG |
| NA17129 | WT/WT | WT/WT | CC | *1B | *1D,*1D | WT | *5001/*53 | TT/GG | TT/GG |
| NA17130 | WT/WT | WT/WT | CC | *1B,*1B | *1D,*3 | WT | *08/*14 | TT/GG | CC/GG |
| NA17201 | WT/WT | /S14+1 G>A /W | TC | *1 | *1D,*1D,*3,*3 | V433M/WT | *35/*39 | | |
| NA17203 | WT/WT | WT/WT | TT | *1 | *1D,*1D,*3,*3 | WT | *1401/*35 | TT/GG | TT/TT |
| NA17204 | WT/WT | WT/WT | TT | *1 | *1D,*1D,*3,*3 | WT | *3906/*5001 | TC/GG | CT/GT |
| NA17205 | WT/WT | WT/WT | TC | *1 | *1D,*1D,*3,*3 | V433M/WT | *15/*56 | | |
| NA17206 | WT/WT | WT/WT | CC | *1 | *1D,*1D,*3,*3 | WT | *07/*18 | | |
| NA17207 | G460A/A719G | WT/WT | TC | *1 | *1D,*1D,*3,*3 | WT | *35/*44 | | |
| NA17208 | WT/WT | WT/WT | TC | *1 | *1D,*1D,*3,*3 | V433M/WT | *08/*1302 | | |
| NA17209 | WT/WT | WT/WT | TC | *1 | *1D,*1D,*3,*3 | V433M/WT | *07/*1401 | | |
| NA17210 | WT/WT | /S14+1 G>A /W | TC | *1 | *1D,*1D,*3,*3 | V433M/V433M | *38/*38 | TT/GG | CT/GT |
| NA17211 | WT/WT | WT/WT | TC | *1 | *1D,*1D,*3,*3 | WT | *15/*44 | | |
| NA17212 | | | TT | *1 | *1D,*1D,*3,*3 | WT | *2702/*52 | | |
| NA17213 | WT/WT | WT/WT | TC | *1 | *1D,*1D,*3,*3 | WT | *27/*51 | | |
| NA17214 | | | TT | *1 | *1D,*1D,*3,*3 | V433M/WT | *37/*58 | | |
| NA17215 | WT/WT | WT/WT | TT | *1 | *1D,*1D,*3,*3 | V433M/V433M | *08/*40 | | |
| NA17216 | WT/WT | WT/WT | TT | *1 | *1D,*1D,*3,*3 | V433M/V433M | *08/*35 | | |
| NA17217 | | | TT | *1 | *1D,*1D,*3,*3 | V433M/WT | *08/*35 | | |
| NA17218 | WT/WT | WT/WT | CC | *1 | *1D,*1D,*3,*3 | WT | *07/*08 | | |
| NA17219 | WT/WT | WT/WT | CC | *1 | *1D,*1D,*3,*3 | V433M/WT | *07/*1401 | | |
| NA17220 | WT/WT | WT/WT | TC | *1 | *1D,*1D,*3,*3 | WT | *18/*49 | | |

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| Coriell DNA/Cell line number | TPMT (G238C, G460A, A719G) | DPD (IVS14+1 G>A) | KIF6 (Trp719Arg) | CYP3A4 (-392 A>G/*1B, 15713 T>C/*2, 23272 T>C/*3, 21896 C>T/*12, 15615 T>C/*17) | CYP3A5 (31611 C>T/*1D, 27289 C>A/*2, 6986 A>G/*3, 3709_3710insG/*3B, 14690 G>A/*6, 27131_27132insT/*7, 3699 C>T/*8, 18386 G>A/*9) | CYP4F2 (V433M) | HLA-B variant 1/2 | EPHX1 g.3203T>C / g.3156G>A | ABCB1 g.90856C>T (C.3435C>T) / g.68883G>T/A (c.2677G>A/T) |
| NA17221 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *3502/*49 | TT/GG | CC/GG |
| NA17222 | G460A/A719G | WT/WT | TC | *1 | *1D,*1D:*3,*3 | V433M/WT | *40/*44 | | |
| NA17224 | WT/WT | WT/WT | TC | *1 | *1D,*1D:*3,*3 | V433M/V433M | *15/*15 | | |
| NA17226 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *08/*44 | | |
| NA17227 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *08/*44 | TC/GG | CC/GG |
| NA17228 | WT/WT | WT/WT | TC | *1 | *1D,*1D:*3,*3 | WT | *15/*55 | | |
| NA17229 | | | TC | *1B | *1D,*1D:*3 | V433M/V433M | *35/*3520 | | |
| NA17230 | G460A/A719G | WT/WT | TC | *1B | *1D:*3 | WT | *15/*27 | | |
| NA17231 | | | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *07/*40 | | |
| NA17232 | WT/WT | WT/WT | TC | *1 | *1D,*1D:*3,*3 | V433M/WT | *14/*18 | | |
| NA17233 | | | TT | *1 | *1D,*1D:*3,*3 | WT | *35/*44 | | |
| NA17234 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *44/*51 | | |
| NA17235 | WT/WT | WT/WT | TC | *1 | *1D,*1D:*3,*3 | WT | *07/*40 | TT/GG | TT/GT |
| NA17236 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *07/*07 | | |
| NA17237 | WT/WT | WT/WT | CC | *1 | *1D,*1D:*3,*3 | V433M/WT | *35/*44 | | |
| NA17240 | WT/WT | WT/WT | TC | *1 | *1D,*1D:*3,*3,*3B | WT | *07/*5701 | TC/GG | CT/GT |
| NA17242 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *35/*40 | | |
| NA17243 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *40/*44 | | |
| NA17244 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *13/*51 | | |
| NA17245 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *44/*53 | | |
| NA17246 | WT/WT | WT/WT | TC | *1 | *1D,*1D:*3,*3 | WT | *08/*18 | TT/GG | TT/TT |
| NA17247 | WT/WT | WT/WT | TT | *1B | *1D:*3 | V433M/V433M | *44/*5701 | TT/GG | CT/GT |
| NA17248 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *1302/*38 | TC/GG | CT/GG |
| NA17249 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *08/*44 | | |
| NA17252 | WT/WT | WT/WT | CC | *1 | *1D,*1D:*3,*3 | WT | *18/*18 | TT/GG | CC/GT |
| NA17254 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *08/*35 | | |
| NA17256 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | WT | *13/*40 | | |
| NA17257 | | | TT | *1 | *1D,*1D:*3,*3 | WT | *07/*15 | | |
| NA17260 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *08/*44 | | |
| NA17261 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *35/*44 | | |
| NA17262 | G460A/A719G | WT/WT | TC | *1 | *1D,*1D:*3,*3 | V433M/WT | *27/*39 | | |
| NA17263 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *44/*53 | | |
| NA17264 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *08/*35 | | |
| NA17265 | | | TC | *1 | *1D,*1D:*3,*3 | V433M/WT | *07/*51 | | |
| NA17267 | | | TC | *1 | *1D,*1D:*3,*3 | V433M/WT | *1517/*44 | | |
| NA17268 | | | TT | *1 | *1D,*1D:*3,*3 | WT | *15/*52 | | |
| NA17269 | | | TT | *1 | *1D,*1D:*3,*3 | V433M/V433M | *40/*40 | | |
| NA17272 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/V433M | *14/*44 | TT/GG | CT/GT |
| NA17274 | | | TT | *1 | *1D,*1D:*3,*3 | WT | *38/*58 | | |
| NA17275 | | | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *13/*44 | | |
| NA17276 | | | TT | *1 | *1D,*1D:*3,*3 | WT | *08/*44 | | |
| NA17277 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/WT | *27/*56 | | |
| NA17279 | | | TT | *1 | *1D,*1D:*3,*3 | WT | *08/*39 | | |
| NA17280 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | WT | | TT/GG | CT/GT |
| NA17281 | WT/WT | WT/WT | CC | *1 | *1D,*1D:*3,*3 | WT | *39/*56 | CC/GG | TT/GT |
| NA17282 | | | TC | *1 | *1D:*3 | V433M/WT | *35/*56 | | |
| NA17283 | | | TC | *1 | *1D,*1D:*3,*3 | WT | *07/*07 | | |
| NA17285 | WT/WT | WT/WT | CC | *1 | *1D,*1D:*3,*3 | V433M/WT | *3502/*5108 | | |

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| NA17286 | | | CC | *1 | *1D,*1D:*3,*3 | V433M/WT | *14/*45 | | |
| NA17287 | | | TT | *1 | *1D,*1D:*3,*3 | WT | *15/*35 | | |
| NA17288 | | | TT | *1B | *1D:*3 | V433M/WT | *44/*5701 | | |
| NA17289 | WT/WT | WT/WT | TT | *1 | *1D:*3 | V433M/WT | *1406/*44 | TT/GG | CC/GG |
| NA17290 | | | TC | *1 | *1D:*3,*3 | V433M/V433M | *07/*5701 | | |
| NA17291 | | | TC | *1 | *1D,*1D:*3,*3 | V433M/V433M | *13/*3502 | | |
| NA17292 | | | CC | *1 | *1D:*3 | WT | *07/*51 | | |
| NA17293 | WT/WT | WT/WT | TC | *1 | *1D,*1D:*3,*3 | WT | *07/*44 | TC/GG | TT/TT |
| NA17295 | | | TC | *1 | *1D,*1D:*3,*3 | V433M/WT | *08/*15 | | |
| NA17296 | WT/WT | WT/WT | TT | *1 | *1D,*1D:*3,*3 | V433M/V433M | *14/*44 | CC/GG | CC/GA |
| NA17298 | WT/WT | WT/WT | TC | *1 | *1D:*3 | V433M/WT | *07/*08 | TC/GG | TT/TT |
| NA17300 | WT/WT | WT/WT | CC | *1 | *1D,*1D:*3,*3 | V433M/WT | *07/*53 | TT/GG | CT/GT |
| NA17438 | WT/WT | WT/WT | TT | *1 | *1D:*3 | V433M/WT | *35/*52 | | |
| NA17440 | WT/WT | WT/WT | TC | *1 | *1D:*3 | WT | *1515/*3523 | | |
| NA17466 | G460A/A719G | WT/WT | TT | *1 | *1D:*3 | V433M/WT | *44/*44 | | |
| NA17618 | WT/WT | WT/WT | TT | *1 | *1D:*3 | WT | *15/*3512 | | |
| Blank cells indicate no data available | | | | | | | | | |
| *LDT - Laboratory developed test | | | | | | | | | |