

Lab Data and Consensus *TMPT* and *NUDT15* Diplotypes*

* Pratt *et al.* Characterization of Reference Materials for *TPMT* and *NUDT15*. A GeT-RM Collaborative Project. *J Mol Diagn* 2022 24:1079-1088

Table 1. Summary of *TPMT* diplotype calls and GeT-RM consensus

Coriell ID	GeT-RM Consensus	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5
HG00133	*1/*2	*1/*2	*1/*2	*1/*2	NT	NT
HG01083	*1/*2	*1/*2	*1/*2	*1/*2	NT	*1/*2
NA12753 [^]	*1/*3A[§]	NT	NT	NT	*1/*3A	NT
NA15245 [^]	*1/*3A[§]	NT	NT	NT	*1/*3A	NT
HG00589 [^]	*1/*3C	NT	NT	NT	*1/*3C	NT
NA18855 [^]	*1/*3C	NT	NT	NT	*1/*3C	NT
NA18603	*1/*6	*1/*6	*1/*6	*1/*6	NT	NT
NA19176 [^]	*1/*8	NT	NT	NT	*1/*8	NT
NA23275 [^]	*1/*8	NT	NT	NT	*1/*8	NT
NA12751	*1/*12	*1/*12	*1/*12	*1/*12	ND	NT
HG00276	*1/*16	*1/*16	*1/*16	*1/*16	*1/*16	NT
HG00304	*3A/*16	*3A/*16	*3/*16	*3A/*16	NT	NT
NA12044	*1/*21	*1/*21	*1/*21	*1/*21	NT	NT
HG02496	*1/*24	*1/*24	*1/*24	*1/*24	NT	NT
NA10855	*1/*32	*1/*32	*1/*32	*1/*1	*1/*32	NT
HG03521	*1/*46[#]	*1/*33	*8/*33	*8/*33	*1/*46	NT
NA19026	*8/*33 or *1/*46	*1/*33	*8/*33	*8/*33	8/*33 or *1/*46	NT
HG01474	*1/*40	*1/*40	*1/*40	*1/*40	NT	NT

[^]Data from previous GeT-RM study (*J Mol Diagn* 2016, 18:109-123)

§ Phase of heterozygous SNPs was confirmed by 10x Linked-Read Genomics or by trio analysis
 # Novel haplotype; variants identifying *TPMT**8 and *33 were shown to be *in cis* in this sample by trio analysis using 1000 Genomes WGS data
 NT- Sample not tested in study

Table 2. Summary of *NUDT15* diplotype calls and GeT-RM consensus

Coriell ID	GeT-RM Consensus	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6
HG00599	*2/*2	*2/*2	*2/*2	*2/*2	*2/*2	NT	NT
NA19079	*2/*5	*2/*5	*2/*5	NT	*2/*5	*2/*5^^	NT
NA18992^	*1/*3	*1/*3	NT	NT	*1/*3	NT	NT
HG00524	*3/*3	NT	*3/*3	*3/*3	*3/*3	NT	NT
NA18564^	*1/*3	*1/*3	NT	NT	*1/*3	NT	*1/*3
HG01359^	*1/*4	NT	NT	*1/*4	NT	*1/*4	NT
HG01465	*1/*4	NT	*1/*4	*1/*4	*1/*4	NT	NT
HG00437^	*1/*5	NT	NT	*1/*5	NT	*1/*5	NT
NA23093^	*1/*5	*1/*5	NT	NT	*1/*5	NT	NT
HG00277	*1/*6	*1/*6	*1/*6	*1/*6	*1/*6	NT	NT
NA07000	*1/*6	*1/*6	*1/*6	NT	*1/*6	NT	NT
HG01086	*2/*9	*2/*9	*2/*9	NT	*2/*9	*2/*9^^	NT

^Previously generated diplotype calls were obtained from laboratories as indicated

^^Confirmed using both targeted genotyping and long-read single molecule real time sequencing (S.A. Scott, personal communication, manuscript in preparation).

NT- Sample not tested in study