

**Supplemental Data Table S1.** Correlation between DNA-TG and RBC-TGN levels

	All measurements				Last measurements			
	Number	Coefficient $\rho$	95% CI for $\rho$	<i>P</i>	Number	Coefficient $\rho$	95% CI for $\rho$	<i>P</i>
All genotype	257	0.405	0.297 to 0.502	< 0.001	54	0.683	0.508 to 0.804	< 0.001
<i>TPMT</i> *1/*1 and <i>NUDT15</i> *1/*1	190	0.711	0.633 to 0.775	< 0.001	41	0.569	0.317 to 0.746	< 0.001
<i>TPMT</i> *1/*3C and <i>NUDT15</i> *1/*1	5	Not applicable			1	Not applicable		
<i>TPMT</i> *1/*1 and <i>NUDT15</i> intermediate metabolizer (*1/*2 and *1/*3)	38	0.377	0.0654 to 0.622	0.020	7	0.893	0.427 to 0.984	0.007
<i>TPMT</i> *1/*1 and <i>NUDT15</i> indeterminate genotypes (*1/*5 and *1/*6)	22	-0.174	-0.555 to 0.267	0.438	4	Not applicable		

Abbreviations: CI, confidence interval; DNA-TG, DNA-incorporated 6-thioguanine; RBC-TGN, erythrocyte 6-thioguanine nucleotides.

**Supplemental Data Table S2.** Linear relationship between DNA-TG and RBC-TGN levels

	All measurements				Last measurements			
	Number	Regression equation	Coefficient of determination R <sup>2</sup>	P	Number	Regression equation	Coefficient of determination R <sup>2</sup>	P
All genotype	257	y=21.909+0.392 x	0.431	< 0.001	54	y=29.957+0.450 x	0.496	< 0.001
<i>TPMT</i> *1/*1 and <i>NUDT15</i> *1/*1	190	y=17.712+0.387 x	0.343	< 0.001	41	y=32.594+0.442 x	0.386	
<i>TPMT</i> *1/*3C and <i>NUDT15</i> *1/*1	5	Not applicable			1	Not applicable		
<i>TPMT</i> *1/*1 and <i>NUDT15</i> intermediate metabolizer (*1/*2 and *1/*3)	38	y=16.306+0.664 x	0.641	< 0.001	7	y=-15.275+1.056 x	0.749	0.012
<i>TPMT</i> *1/*1 and <i>NUDT15</i> indeterminate genotypes (*1/*5 and *1/*6)	22	y=11.699+0.435 x	0.859	< 0.001	4	y=27.444+0.339 x	0.841	0.083

Abbreviations: CI, confidence interval; DNA-TG, DNA-incorporated 6-thioguanine; RBC-TGN, erythrocyte 6-thioguanine nucleotides.