

## Additional File 2

**Table 1** - Genotype and allele frequencies of the analyzed polymorphisms.

Gene/SNP ID	N	Genotype	n	Freq.(%)	95% CI	P-value
<b>ABCB1</b> <b>rs1045642</b>	206	CC	64	31.1	(24.7-37.4)	0.240
		CT	94	45.6	(38.8-52.4)	
		TT	48	23.3	(17.5-29.1)	
		C	222	53.9	(49.1-58.7)	
		T	190	46.1	(41.3-50.9)	
<b>ABCB1</b> <b>rs1128503</b>	205	CC	67	32.7	(26.3-39.1)	0.821
		CT	99	48.3	(41.5-55.1)	
		TT	39	19.0	(13.7-24.4)	
		C	233	56.8	(52-61.6)	
		T	177	43.2	(38.4-48)	
<b>ABCB1</b> <b>rs2032582</b>	204	GG	79	38.7	(32-45.4)	0.157
		GT	88	43.1	(36.3-49.9)	
		TT	37	18.1	(12.8-23.4)	
		G	246	60.3	(55.5-65)	
		T	162	39.7	(35-44.5)	
<b>ADH1B</b> <b>rs2066702</b>	208	CC	206	99.0	(97.7-100)	0.944
		CT	2	1.0	(0-2.3)	
		TT	0	0.0	-	
		C	414	99.5	(98.9-100)	
		T	2	0.5	(0-1.1)	
<b>ADH1B</b> <b>rs1229984</b>	207	GG	174	84.1	(79.1-89)	0.918
		AG	32	15.5	(10.5-20.4)	
		AA	1	0.5	(0-1.4)	
		G	380	91.8	(89.1-94.4)	
		A	34	8.2	(5.6-10.9)	
<b>ADH1C</b> <b>rs698</b>	207	AA	103	49.8	(42.9-56.6)	0.994
		AG	86	41.5	(34.8-48.3)	
		GG	18	8.7	(4.9-12.5)	
		A	292	70.5	(66.1-74.9)	
		G	122	29.5	(25.1-33.9)	
<b>ADRB1</b> <b>rs1801252</b>	208	AA	167	80.3	(74.9-85.7)	0.860
		AG	38	18.3	(13-23.5)	
		GG	3	1.4	(0-3.1)	
		A	372	89.4	(86.5-92.4)	
		G	44	10.6	(7.6-13.5)	
<b>ADRB2</b> <b>rs1042713</b>	208	GG	84	40.4	(33.7-47.1)	0.903
		AG	97	46.6	(39.9-53.4)	
		AA	27	13.0	(8.4-17.5)	
		G	265	63.7	(59.1-68.3)	
		A	151	36.3	(31.7-40.9)	
<b>ADRB2</b> <b>rs1042714</b>	206	CC	73	35.4	(28.9-42)	0.898
		CG	100	48.5	(41.7-55.4)	
		GG	33	16.0	(11-21)	
		C	246	59.7	(55-64.4)	
		G	166	40.3	(35.6-45)	
<b>COMT</b> <b>rs4680</b>	207	GG	78	37.7	(31.1-44.3)	0.981
		AG	98	47.3	(40.5-54.1)	
		AA	31	15.0	(10.1-19.8)	
		G	254	61.4	(56.7-66)	
		A	160	38.6	(34-43.3)	

<sup>1</sup> zero was assumed since lower limit of 95% Confidence interval (95% CI) was a negative value.

<sup>2</sup> P-values were obtained using the Hardy-Weinberg R package based on the  $\chi^2$  -test.

**Table 1 (continued)** - Genotype and allele frequencies of the analyzed polymorphisms.

Gene/SNP ID	N	Genotype	n	Freq.(%)	95% CI	P-value
<b>CYP2C19</b> <b>rs4244285</b>	207	GG	157	75.8	(70-81.7)	0.942
		AG	47	22.7	(17-28.4)	
		AA	3	1.4	(0-3.1)	
		G	361	87.2	(84-90.4)	
		A	53	12.8	(9.6-16)	
<b>CYP2C8</b> <b>rs11572080</b>	207	GG	157	75.8	(70-81.7)	0.092
		AG	50	24.2	(18.3-30)	
		AA	0	0.0	-	
		G	364	87.9	(84.8-91.1)	
		A	50	12.1	(8.9-15.2)	
<b>CYP2C8</b> <b>rs10509681</b>	208	TT	159	76.4	(70.7-82.2)	0.897
		CT	45	21.6	(16-27.2)	
		CC	4	1.9	(0.1-3.8)	
		T	363	87.3	(84.1-90.5)	
		C	53	12.7	(9.5-15.9)	
<b>CYP2C9</b> <b>rs1799853</b>	208	CC	154	74.0	(68.1-80)	0.780
		CT	51	24.5	(18.7-30.4)	
		TT	3	1.4	(0-3.1)	
		C	359	86.3	(83-89.6)	
		T	57	13.7	(10.4-17)	
<b>CYP2C9</b> <b>rs1057910</b>	208	AA	194	93.3	(89.9-96.7)	0.586
		CA	14	6.7	(3.3-10.1)	
		CC	0	0.0	-	
		A	402	96.6	(94.9-98.4)	
		C	14	3.4	(1.6-5.1)	
<b>CYP2D6</b> <b>rs1065852</b>	208	CC	149	71.6	(65.5-77.8)	0.033
		CT	59	28.4	(22.2-34.5)	
		TT	0	0.0	-	
		C	357	85.8	(82.5-89.2)	
		T	59	14.2	(10.8-17.5)	
<b>CYP2D6</b> <b>rs3892097</b>	205	GG	152	74.1	(68.2-80.1)	0.064
		AG	53	25.9	(19.9-31.8)	
		AA	0	0.0	-	
		G	357	87.1	(83.8-90.3)	
		A	53	12.9	(9.7-16.2)	
<b>CYP2D6</b> <b>rs5030655</b>	208	TT	206	99.0	(97.7-100)	0.944
		T/-	2	1.0	(0-2.3)	
		-/-	0	0.0	-	
		T	414	99.5	(98.9-100)	
		-	2	0.5	(0-1.1)	
<b>CYP2D6</b> <b>rs5030656</b>	208	AAG/AAG	192	92.3	(88.7-95.9)	0.717
		AAG/-	16	7.7	(4.1-11.3)	
		-/-	0	0.0	-	
		AAG	400	96.2	(94.3-98)	
		-	16	3.8	(2-5.7)	
<b>CYP2D6</b> <b>rs16947</b>	208	GG	77	37.0	(30.5-43.6)	0.845
		GA	98	47.1	(40.3-53.9)	
		AA	33	15.9	(10.9-20.8)	
		G	252	60.6	(55.9-65.3)	
		A	164	39.4	(34.7-44.1)	

<sup>1</sup> zero was assumed since lower limit of 95% Confidence interval (95% CI) was a negative value.<sup>2</sup> P-values were obtained by HardyWeinberg R package based on the  $\chi^2$ -test.

**Table 1 (continued)** - Genotype and allele frequencies of the analyzed polymorphisms.

Gene/SNP ID	N	Genotype	n	Freq.(%)	95% CI	P-value
<b>CYP3A4</b> <b>rs2740574</b>	204	AA	188	92.2	(88.5-95.8)	0.738
		AG	16	7.8	(4.2-11.5)	
		GG	0	0.0	-	
		A	392	96.1	(94.2-98)	
		G	16	3.9	(2-5.8)	
<b>DPYD</b> <b>rs67376798</b>	207	AA	204	98.6	(96.9-100)	0.916
		AT	3	1.4	(0 3.1)	
		TT	0	0.0	-	
		A	411	99.3	(98.5-100)	
		T	3	0.7	(0-1.5)	
<b>DPYD</b> <b>rs1801265</b>	207	CC	141	68.1	(61.8-74.5)	0.595
		CT	61	29.5	(23.3-35.7)	
		TT	5	2.4	(0.3-4.5)	
		C	343	82.9	(79.2-86.5)	
		T	71	17.1	(13.5-20.8)	
<b>F5</b> <b>rs6025</b>	207	GG	201	97.1	(94.8-99.4)	0.832
		GA	6	2.9	(0.6-5.2)	
		AA	0	0.0	-	
		G	408	98.6	(97.4-99.7)	
		A	6	1.5	(0.3-2.6)	
<b>GSTP1</b> <b>rs1695</b>	207	AA	90	43.5	(36.7-50.2)	0.842
		AG	92	44.4	(37.7-51.2)	
		GG	25	12.1	(7.6-16.5)	
		A	272	65.7	(61.1-70.3)	
		G	142	34.3	(29.7-38.9)	
<b>GSTT1</b> <b>Gene deletion</b>	208	Present	162	77.9	(72.2-83.5)	-
		Absent	46	22.1	(16.5-27.8)	
<b>KCNJ11</b> <b>rs5219</b>	207	CC	90	43.5	(36.7-50.2)	0.532
		CT	96	46.4	(39.6-53.2)	
		TT	21	10.1	(6-14.3)	
		C	276	66.7	(62.1-71.2)	
		T	138	33.3	(28.8-37.9)	
<b>MTHFR</b> <b>rs1801131</b>	208	AA	109	52.4	(45.6-59.2)	0.212
		CA	78	37.5	(30.9-44.1)	
		CC	21	10.1	(6-14.2)	
		A	296	71.2	(66.8-75.5)	
		C	120	28.8	(24.5-33.2)	
<b>MTHFR</b> <b>rs1801133</b>	208	CC	94	45.2	(38.4-52)	0.890
		CT	91	43.8	(37-50.5)	
		TT	23	11.1	(6.8-15.3)	
		C	279	67.1	(62.6-71.6)	
		T	137	32.9	(28.4-37.4)	
<b>NAT2</b> <b>rs1799930</b>	169	GG	87	51.5	(43.9-59)	0.328
		AG	72	42.6	(35.1-50.1)	
		AA	10	5.9	(2.4-9.5)	
		G	246	72.8	(68-77.5)	
		A	92	27.2	(22.5-32)	

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**Table 1 (continued)** - Genotype and allele frequencies of the analyzed polymorphisms.

Gene/SNP ID	N	Genotype	n	Freq.(%)	95% CI	P- value
<b>NAT2</b> <b>rs1799931</b>	147	GG	144	98.0	(95.7-100)	0.901
		AG	3	2.0	(0-4.3)	
		AA	0	0.0	-	
		G	291	99.0	(97.8-100)	
		A	3	1.0	(0-2.2)	
<b>TPMT</b> <b>rs1800462</b>	207	GG	206	99.5	(98.6-100)	0.972
		CG	1	0.5	(0-1.4)	
		CC	0	0.0	-	
		G	413	99.8	(99.3-100)	
		C	1	0.2	(0-0.7)	
<b>TPMT</b> <b>rs1800460</b>	207	GG	200	96.6	(94.2-99.1)	0.805
		AG	7	3.4	(0.9-5.8)	
		AA	0	0.0	-	
		G	407	98.3	(97.1-99.6)	
		A	7	1.7	(0.4-2.9)	
<b>TPMT</b> <b>rs1142345</b>	207	AA	194	93.7	(90.4-97)	0.512
		AG	13	6.3	(3-9.6)	
		GG	0	0.0	-	
		A	401	96.9	(95.2-98.5)	
		G	13	3.1	(1.5-4.8)	
<b>TYMS</b> <b>rs34743033</b>	208	3R/3R	76	36.5	(30-43.1)	-
		3R/2R	86	41.3	(34.7-48)	
		2R/2R	42	20.2	(14.7-25.6)	
		4R/4R	0	0.0	-	
		4R/3R	3	1.4	(0-3.1)	
		4R/2R	1	0.5	(0-1.4)	
		3 R	241	57.9	(53.2-62.7)	
		2 R	171	41.1	(36.4-45.8)	
		4 R	4	1.0	(0-1.9)	
<b>TYMS</b> <b>rs2853542</b>	208	GG	18	8.7	(4.9-12.5)	-
		GC	34	16.3	(11.3-21.3)	
		CC	24	11.5	(7.2-15.8)	
		G-	39	18.8	(13.5-24.1)	
		C-	47	22.6	(16.9-28.3)	
		-/-	46	22.1	(16.5-27.7)	
		G	109	26.2	(22-30.4)	
		C	129	31.0	(26.6-35.4)	
		-	178	42.8	(38-47.6)	
<b>TYMS</b> <b>rs34489327</b>	208	TTAAAG/TTAAAG	76	36.5	(30-43.1)	0.529
		-/TTAAAG	103	49.5	(42.7-56.3)	
		-/-	29	13.9	(9.2-18.6)	
		TTAAAG	255	61.3	(56.6-66)	
		-	161	38.7	(34-43.4)	
<b>UGT1A1</b> <b>rs8175347</b>	204	(TA)6TAA/(TA)6TAA	90	44.1	(37.3-50.9)	0.999
		(TA)6TAA/(TA)7TAA	91	44.6	(37.8-51.4)	
		(TA)7TAA/(TA)7TAA	23	11.3	(6.9-15.6)	
		(TA)6TAA	271	66.4	(61.8-71)	
		(TA)7TAA	137	33.6	(29-38.2)	
<b>VKORC1</b> <b>rs9923231</b>	208	GG	61	29.3	(23.1-35.5)	0.026
		GA	118	56.7	(50-63.5)	
		AA	29	13.9	(9.2-18.6)	
		G	240	57.7	(52.9-62.4)	
		A	176	42.3	(37.6-47.1)	

<sup>1</sup> zero was assumed since lower limit of 95% Confidence interval 95% CI was a negative value.<sup>2</sup> P-values were obtained by Hardy-Weinberg R package based on the  $\chi^2$ -test.