

Table S2 The relationships between CYP2D6 and ABCB1 gene polymorphisms and the pharmacokinetic parameters of ARI and DARI

SNP	MR _{AUC0-t}	P	MR _{Cmin}	P	value	MR _{Cmax}	P	value	V _{ARI}	P	value	V _{DARI}	P	value	CL _{ARI}	P	value	CL _{DARI}	P	value
CYP2D6(G>C) rs1135840																				
CC	0.42±0.14 ^{bc}	0.012 [†]	0.56±0.26 ^c	0.000 [†]	0.35±0.11 ^{bc}	0.000 [†]	119.13±50.98	0.777	255.89±106.18	0.514	2.58±1.21 ^c	0.001 [†]	6.46±2.85	0.777						
CG	0.34±0.09 ^a		0.45±0.27		0.29±0.07 ^a		115.58±64.05		235.90±111.29		2.03±1.07		5.73±2.08							
GG	0.30±0.06 ^a		0.35±0.08 ^a		0.27±0.06 ^a		131.72±62.88		252.97±85.14		1.76±0.45 ^a		5.77±1.65							
CYP2D6*41 (C>T) rs28371725																				
CC	0.35±0.10	1.000	0.45±0.25	0.903	0.30±0.08	0.972	118.76±60.48	0.602	243.95±106.71	0.774	2.09±1.06	0.741	5.88±2.20	0.781						
CT	0.34±0.11		0.42±0.18		0.29±0.07		132.77±72.67		239.15±75.21		2.03±0.67		6.02±1.92							
CYP2D6 (G>A) rs16947																				
AG	0.35±0.11	0.849	0.47±0.34	0.690	0.29±0.07	0.857	134.10±75.07	0.301	268.26±120.14	0.179	2.40±1.28	0.082	6.69±2.52	0.048 [†]						
GG	0.35±0.11		0.44±0.19		0.30±0.09		112.58±51.93		231.28±94.39		1.93±0.86		5.48±1.86							
CYP2D6*33 (C>A) rs28371717																				
CA	0.23±0.00	0.143	0.26±0.00	0.190	0.20±0.00	0.190	61.63±0.00	0.238	108.98±0.00	0.048 [†]	0.99±0.00	0.095	4.21±0.00	0.429						
CC	0.35±0.11		0.45±0.25		0.30±0.08		120.46±61.06		245.23±104.00		2.10±1.03		5.91±2.17							
CYP2D6*4 (C>T) rs3892097																				
GG	0.35±0.11	0.196	0.45±0.25	0.253	0.30±0.08	0.120	120.54±61.46	0.466	243.79±104.60	0.978	2.09±1.04	0.723	5.86±2.16	0.499						
CG	0.25±0.08		0.31±0.11		0.21±0.06		87.63±32.05		236.12±137.00		1.67±0.23		7.09±3.08							
CYP2D6*14 (C>T) rs5030865																				
CC	0.36±0.11	0.009 [†]	0.47±0.27	0.021 [†]	0.31±0.09	0.007 [†]	123.10±56.70	0.064	258.77±107.98	0.003 [†]	2.18±1.09	0.024 [†]	5.96±2.29	0.714						
CT	0.29±0.06		0.35±0.08		0.25±0.05		105.57±77.33		179.17±52.84		1.67±0.60		5.59±1.54							
CYP2D6 (G>C) rs1058164																				
CC	0.51±0.12 ^{bc}	0.008 [†]	0.71±0.29 ^c	0.023 [†]	0.42±0.12 ^{bc}	0.009 [†]	113.75±37.61	0.479	254.67±113.73	0.519	2.84±1.58	0.335	5.71±2.96	0.957						
CG	0.39±0.09 ^{ac}		0.53±0.33 ^c		0.32±0.06 ^{ac}		115.52±70.13		237.04±125.18		2.32±1.27		5.68±2.15							
GG	0.30±0.07 ^{ab}		0.36±0.09 ^{ab}		0.27±0.06 ^{ab}		123.39±58.99		245.77±90.10		1.81±0.60		6.04±2.07							

Table S2 continued

SNP	MR _{AUC0-t}	P value	MR _{Cmin}	P value	MR _{Cmax}	P value	V _{ARI}	P value	V _{DARI}	P value	CL _{ARI}	P value	CL _{DARI}	P value
CYP2D6 (A>T) rs1135822														
AA	0.35±0.10	0.005 [†]	0.46±0.25	0.011 [†]	0.30±0.08	0.005 [†]	120.46±61.50	0.587	245.04±105.21	0.465	2.10±1.04	0.253	5.87±2.19	0.418
AT	0.20±0.02		0.23±0.05		0.18±0.00		91.17±32.04		184.66±38.53		1.46±0.04		2.68±0.02	
CYP2D6 (G>C) rs28371705														
CG	0.19±0.00	0.071	0.23±0.00	0.071	0.17±0.00	0.048 [†]	110.29±0.00	1.000	332.99±0.00	0.321	1.84±0.00	0.952	9.27±0.00	0.214
GG	0.35±0.10		0.45±0.25		0.30±0.08		119.87±61.39		242.53±104.59		2.09±1.04		5.85±2.15	
CYP2D6 (G>T) rs28371703														
GG	0.35±0.11	0.253	0.45±0.25	0.303	0.30±0.08	0.207	120.05±61.74	0.941	242.94±105.17	0.537	2.08±1.05	0.551	5.83±2.15	0.104
GT	0.26±0.09		0.32±0.13		0.22±0.07		107.79±3.53		270.94±87.76		2.13±0.40		8.31±1.35	
CYP2D6 (A>C) rs28371702														
AA	0.51±0.12 ^{bc}	0.008 [†]	0.71±0.29 ^c	0.022 [†]	0.42±0.12 ^{bc}	0.005 [†]	113.75±37.61	0.460	254.67±113.73	0.466	2.84±1.58	0.236	5.71±2.96	0.952
AC	0.41±0.09 ^{ac}		0.57±0.34 ^c		0.34±0.06 ^{ac}		109.95±63.62		232.55±114.15		2.33±1.20		5.46±2.00	
CC	0.31±0.08 ^{ab}		0.37±0.10 ^{ab}		0.27±0.07 ^{ab}		125.05±63.01		249.19±99.09		1.91±0.77		6.13±2.12	
CYP2D6 (C>G) rs29001518														
CC	0.35±0.11	0.733	0.44±0.19	0.920	0.30±0.09	0.528	113.25±51.22	0.568	232.11±94.56	0.270	1.92±0.87	0.062	5.46±1.89 ^b	0.033 [†]
CG	0.34±0.10		0.47±0.35		0.29±0.07		130.58±79.05		266.31±123.54		2.40±1.28		6.73±2.47 ^a	
GG	0.37±0.07		0.44±0.11		0.33±0.06		139.54±22.06		246.21±78.79		2.20±0.92		5.97±2.54	
CYP2D6 (C>G rs1080995														
CC	0.35±0.11	0.333	0.45±0.25	0.452	0.30±0.08	0.262	119.70±61.39	0.762	244.50±104.74	0.643	2.09±1.04	0.762	5.91±2.17	0.524
CG	0.45±0.00		0.52±0.00		0.39±0.00		124.83±0.00		169.52±0.00		1.94±0.00		4.31±0.00	
CYP2D6 (C>T) rs1065852														
CC	0.45±0.13 ^{bc}	0.001 [†]	0.65±0.41 ^{bc}	0.003 [†]	0.36±0.10 ^{bc}	0.003 [†]	122.42±69.09	0.943	261.40±122.68	0.244	2.73±1.54	0.123	5.98±2.64	0.872
CT	0.34±0.07 ^a		0.41±0.11 ^a		0.29±0.06 ^a		120.66±57.29		226.33±98.30		2.03±0.79		6.02±2.18	
TT	0.30±0.07 ^a		0.36±0.11 ^a		0.26±0.07 ^a		116.96±61.51		251.31±98.63		1.72±0.61		5.67±1.84	

Table S2 continued

SNP	MR _{AUC0+}	P	MR _{Cmin}	P	MR _{Cmax}	P	V _{ARI}	P	V _{DARI}	P	CL _{ARI}	P	CL _{DARI}	P
		value		value		value		value		value		value		value
CYP2D6*35 (C>T) rs769258														
CC	0.35±0.11	0.905	0.45±0.25	0.619	0.30±0.08	0.429	120.44±61.07	0.310	243.11±104.97	0.667	2.08±1.04	0.429	5.86±2.17	0.333
CT	0.31±0.00		0.48±0.00		0.23±0.00		63.11±0.00		284.56±0.00		2.50±0.00		7.85±0.00	
CYP2D6 (C>T) rs1080989														
CC	0.44±0.13	0.000 [†]	0.65±0.42	0.000 [†]	0.36±0.10	0.002 [†]	120.56±70.47	0.668	265.60±124.56	0.066	2.78±1.56	0.039 [†]	6.12±2.63	0.918
CT	0.33±0.08		0.41±0.13		0.29±0.07		114.67±56.23		220.84±100.81		1.97±0.80		5.89±2.18	
TT	0.30±0.07		0.35±0.09		0.27±0.07		127.28±62.56		263.32±88.96		1.73±0.53		5.70±1.80	
CYP2D6 (G>C) rs1080985														
CC	0.45±0.00	0.476	0.52±0.00	0.565	0.39±0.00	0.396	124.83±0.00	0.526	169.52±0.00	0.181	1.94±0.00	0.091	4.31±0.00	0.021 [†]
CG	0.35±0.11		0.48±0.39		0.29±0.07		137.58±78.01		285.02±128.52		2.61±1.41		7.21±2.64	
GG	0.35±0.11		0.44±0.18		0.30±0.09		113.64±54.08		230.77±92.60		1.91±0.82		5.46±1.81	
ABCB1(C3435T) rs1045642														
TT	0.41±0.61	0.612	0.49±0.19	0.705	0.35±0.15	0.351	107.72±34.59	0.677	174.14±34.78 ^b	0.015 [†]	1.78±0.61	0.529	4.77±1.77	0.095
CT	0.34±0.11		0.48±0.34		0.28±0.07		117.94±63.47		277.71±117.83 ^{ac}		2.27±1.25		6.48±2.33	
CC	0.35±0.08		0.42±0.11		0.31±0.07		124.47±63.60		222.67±86.44 ^b		1.95±0.81		5.51±1.91	
ABCB1(G2677T/A) rs2032582														
AA	0.37±0.09	0.555	0.48±0.15	0.600	0.31±0.08	0.605	111.78±36.16	0.789	225.31±103.81	0.533	2.27±0.84	0.842	5.96±1.66	0.943
CA	0.36±0.11		0.50±0.35		0.30±0.07		123.86±72.68		252.30±112.91		2.12±1.15		5.72±2.17	
CC	0.31±0.07		0.38±0.10		0.27±0.05		108.13±51.50		208.31±83.13		1.96±0.84		6.25±2.34	
AT	0.36±0.19		0.43±0.20		0.31±0.18		129.40±85.10		281.96±141.47		2.06±1.46		6.00±3.01	
CT	0.34±0.09		0.43±0.13		0.30±0.08		121.38±43.82		249.92±90.48		2.06±1.93		5.82±2.02	

Note: $P < 0.05$ indicates statistical significance; [†] refers to $P < 0.05$ in Mann-Whitney U test or Kruskal-Wallis test; Statistical notations in Post-hoc tests with Bonferroni correction, a: compared with the wild type ($P < 0.0167$); b: compared with the heterozygous mutation ($P < 0.0167$); c: compared with the homozygous mutation ($P < 0.0167$)