Table 1. Chromosomal positions and gene locations of the 17 markers.

Gene	SNP	SNP rs Num	Alleles	Chr.	Position (bp)
CYP1A1	CYP1A1-78	rs2198843	C/G	15	72,788,283
	CYP1A1-109	rs1456432	A/G	15	72,790,104
	CYP1A1-06	rs4646903	C/T	15	72,798,694
	CYP1A1-15	rs4646421	T/C	15	72,803,245
	CYP1A1-14	rs2606345	T/G	15	72,804,229
	CYP1A1-83	rs7495708	G/A	15	72,806,896
	CYP1A1-81	rs2472299	C/T	15	72,820,453
CYP1B1	CYP1B1-66	rs162549	T/A	2	38,148,960
	CYP1B1-06	rs1056837	T/C	2	38,151,654
	CYP1B1-05	rs1056836	G/C	2	38,151,707
	CYP1B1-74	rs162560	A/G	2	38,153,019
	CYP1B1-04	rs10012	C/G	2	38,155,894
	CYP1B1-03	rs2617266	C/T	2	38,156,048
GSTT2	GSTT2-02	rs2719	T/G	22	22,629,757
	GSTT2-01	rs1622002	G/A	22	22,630,580
	GSTT2-03	rs140194	G/A	22	22,655,095
GSTM1	GSTM1-02	SNP500Cancer ID: GSTM1-02	Gene deletion	22	22,629,757

Table 2a. Genotype frequency distributions of the 17 markers in the three populations[†]

		AA				D				C			
		TT	**TC**	**CC**	**N**	**TT**	**TC**	**CC**	**N**	**TT**	**TC**	**CC**	**N**
[2a] CYP1A1-06	mother	90	57	8	155	162	79	12	253	304	62	4	370
	newborn	48	44	4	96	99	45	7	151	243	42	4	289
		AA	**AG**	**GG**	**N**	**AA**	**AG**	**GG**	**N**	**AA**	**AG**	**GG**	**N**
[3] CYP1A1-109*	mother	31	77	48	156	110	116	38	264	291	82	5	378
	newborn	17	46	33	96	61	74	17	152	219	64	6	289
		TT	**TG**	**GG**	**N**	**TT**	**TG**	**GG**	**N**	**TT**	**TG**	**GG**	**N**
[3] CYP1A1-14*	mother	5	30	124	159	29	127	109	265	174	164	41	379
	newborn	2	20	76	98	20	79	55	154	134	126	31	291
		TT	**TC**	**CC**	**N**	**TT**	**TC**	**CC**	**N**	**TT**	**TC**	**CC**	**N**
[2a] CYP1A1-15	mother	18	69	71	158	21	98	145	264	3	60	314	377
	newborn	14	48	36	98	9	59	84	152	4	42	245	291
		CC	**CG**	**GG**	**N**	**CC**	**CG**	**GG**	**N**	**CC**	**CG**	**GG**	**N**
[3] CYP1A1-78*	mother	52	77	29	158	38	118	108	264	5	83	291	379
	newborn	32	48	16	96	16	78	59	153	5	64	219	288
		CC	**CT**	**TT**	**N**	**CC**	**CT**	**TT**	**N**	**CC**	**CT**	**TT**	**N**
[1] CYP1A1-81*	mother	61	74	24	159	96	116	53	265	174	158	46	378
	newborn	36	47	15	98	53	75	26	154	133	115	37	285
		GG	**GA**	**AA**	**N**	**GG**	**GA**	**AA**	**N**	**GG**	**GA**	**AA**	**N**
[3] CYP1A1-83*	mother	52	73	33	158	37	114	111	262	5	82	267	354
	newborn	13	32	13	58	14	51	51	116	4	42	125	171

[†]Genotype frequency distributions among the three populations were compared.

*SNPs that have significant SNP*PAH interaction effects in any of the three populations.

[1]Only D is different from C; [2a]C is different from both AA and D; [2b]AA is different from both D and C; [3]AA, D, and C are pairwisely different.

Table 2b. Genotype frequency distributions of the 17 markers in the three populations (cont.)[†]

		AA				D				C			
		CC	**CT**	**TT**	**N**	**CC**	**CT**	**TT**	**N**	**CC**	**CT**	**TT**	**N**
[1]CYP1B1-03*	mother	85	63	11	159	167	88	10	265	175	159	43	377
	newborn	57	37	5	99	99	47	7	153	130	132	28	290
		CC	**CG**	**GG**	**N**	**CC**	**CG**	**GG**	**N**	**CC**	**CG**	**GG**	**N**
[2b]CYP1B1-04	mother	29	78	48	155	110	116	29	255	175	153	43	371
	newborn	19	42	32	93	64	75	13	152	130	130	29	289
		GG	**GC**	**CC**	**N**	**GG**	**GC**	**CC**	**N**	**GG**	**GC**	**CC**	**N**
[3]CYP1B1-05	mother	81	65	12	158	87	141	36	264	66	191	121	378
	newborn	58	30	4	92	47	69	31	147	44	147	88	279
		TT	**TC**	**CC**	**N**	**TT**	**TC**	**CC**	**N**	**TT**	**TC**	**CC**	**N**
[3]CYP1B1-06*	mother	78	68	14	160	88	139	39	266	66	189	121	376
	newborn	56	36	7	99	46	74	34	154	40	150	87	277
		TT	**TA**	**AA**	**N**	**TT**	**TA**	**AA**	**N**	**TT**	**TA**	**AA**	**N**
CYP1B1-66	mother	2	55	101	158	10	82	169	261	12	136	231	379
	newborn	4	30	64	98	5	36	110	151	9	93	187	289
		AA	**AG**	**GG**	**N**	**AA**	**AG**	**GG**	**N**	**AA**	**AG**	**GG**	**N**
CYP1B1-74*	mother	4	52	103	159	8	85	171	264	11	134	235	380
	newborn	4	30	57	91	7	32	100	139	7	85	181	273
		+/+	**+/-**	**-/-**	**N**	**+/+**	**+/-**	**-/-**	**N**	**+/+**	**+/-**	**-/-**	**N**
[2a]GSTM1-02	mother	9	94	30	133	15	137	78	230	28	130	183	341
	newborn	8	47	17	72	4	69	34	107	9	116	129	254
		GG	**GA**	**AA**	**N**	**GG**	**GA**	**AA**	**N**	**GG**	**GA**	**AA**	**N**
[3]GSTT2-01*	mother	106	49	3	158	228	32	0	260	364	16	0	380
	newborn	64	35	0	99	137	16	1	154	282	11	0	293
		TT	**TG**	**GG**	**N**	**TT**	**TG**	**GG**	**N**	**TT**	**TG**	**GG**	**N**
[3]GSTT2-02	mother	1	38	119	158	26	122	117	265	99	186	92	377
	newborn	4	23	72	99	13	67	74	154	62	164	66	292
		AA	**AG**	**GG**	**N**	**AA**	**AG**	**GG**	**N**	**AA**	**AG**	**GG**	**N**
[2b]GSTT2-03	mother	1	18	141	160	4	85	174	263	7	128	239	374
	newborn	0	11	84	95	1	45	106	152	1	107	180	288

[†]Genotype frequency distributions among the three populations were compared.

*SNPs that have significant SNP*PAH interaction effects in any of the three populations.

[1]Only D is different from C; [2a]C is different from both AA and D; [2b]AA is different from both D and C; [3]AA, D, and C are pairwisely different.