

Supplemental Table 1. Candidate Genes Evaluated in this Study.

HUGO SYMBOL	Approved Gene Name	Location	GeneID
ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	17q23	1636
ADRB2	adrenergic, beta-2-, receptor, surface	5q31-q32	154
AGT	angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 8)	1q41-qter	183
AGTR1	angiotensin II receptor, type 1	3q21-q25	185
ANG	angiogenin, ribonuclease, RNase A family, 5	14q11.1-q11.2	283
ANGPT2	angiopoietin 2	8p23	285
APOA1	apolipoprotein A-I	11q23-q24	335
APOB	apolipoprotein B (including Ag(x) antigen)	2p24-p23	338
APOC3	apolipoprotein C-III	11q23-qter	345
APOE	apolipoprotein E	19q13.2	348
AQP2	aquaporin 2 (collecting duct)	12q12-q13	359
CARD15	caspase recruitment domain family, member 15	16q12	64127
CCL2	chemokine (C-C motif) ligand 2	17q11.2-q21.1	6347
CCR2	chemokine (C-C motif) receptor 2	3p21	1231
CD14	CD14 antigen	5q22-q32	929
CETP	cholesteryl ester transfer protein, plasma	16q13	1071
COL1A1	collagen, type I, alpha 1	17q21.3-q22	1277
COL1A2	collagen, type I, alpha 2	7q21.3-q22.1	1278
COL3A1	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)	2q31-q32.3	1281
COL4A1	collagen, type IV, alpha 1	13q34	1282
COL4A2	collagen, type IV, alpha 2	13q34	1284
COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	2q36-q37	1285
COL4A4	collagen, type IV, alpha 4	2q35-q37	1286
COL4A5	collagen, type IV, alpha 5 (Alport syndrome)	Xq22	1287
COL4A6	collagen, type IV, alpha 6	Xq22	1288
COL5A1	collagen, type V, alpha 1	9q34.2-q34.3	1289
COL5A2	collagen, type V, alpha 2	2q14-q32	1290
CRHR1	corticotropin releasing hormone receptor 1	17q12-q22	1394
CRHR2	corticotropin releasing hormone receptor 2	7p21-p15	1395
CSF1	colony stimulating factor 1 (macrophage)	1p13-p21 or 5q33	1435
CSF2	colony stimulating factor 2 (granulocyte-macrophage)	5q23-q31	1437
CSF3	colony stimulating factor 3 (granulocyte)	17q11.2-q12	1440
CSPG2	chondroitin sulfate proteoglycan 2 (versican)	5q12-q14	1462
DAF	decay accelerating factor for complement (CD55, Cromer blood group system)	1q32	1604
DCN	Decorin	12q23	1634
DEFA5	defensin, alpha 5, Paneth cell-specific	8pter-p21	1670
DEFB1	defensin, beta 1	8p23.2-p23.1	1672
DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	11q23.1	1737
EDN1	endothelin 1	6p23-p24	1906
ELN	elastin (supravalvular aortic stenosis, Williams-Beuren syndrome)	7q11.1-q21.1	2006
ESR1	estrogen receptor 1	6q24-q27	2099
ESR2	estrogen receptor 2 (ER beta)	14q21-q22	2100

F12	coagulation factor XII (Hageman factor)	5q33-qter	2161
F13A1	coagulation factor XIII, A1 polypeptide	6p24.2-p23	2162
F13B	coagulation factor XIII, B polypeptide	1q31-q32.1	2165
F2	coagulation factor II (thrombin)	11p11-q12	2147
F3	coagulation factor III (thromboplastin, tissue factor)	1p22-p21	2152
F5	coagulation factor V (proaccelerin, labile factor)	1q21-q25	2153
F7	coagulation factor VII (serum prothrombin conversion accelerator)	13q34	2155
FABP2	fatty acid binding protein 2, intestinal	4q28-q31	2169
FGB	fibrinogen, B beta polypeptide	4q28	2244
FGF1	fibroblast growth factor 1 (acidic)	5q31.3-q33.2	2246
FGF2	fibroblast growth factor 2 (basic)	4q26	2247
FGF4	fibroblast growth factor 4 (heparin secretory transforming protein 1, Kaposi sarcoma oncogene)	11q13.3	2249
FIGF	c-fos induced growth factor (vascular endothelial growth factor D)	Xp22.31	2277
FLT1	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	13q12	2321
FLT4	fms-related tyrosine kinase 4	5q34-q35	2324
FN1	fibronectin 1	2q34-q36	2335
GJA4	gap junction protein, alpha 4, 37kDa (connexin 37)	1p34-p35	2701
GJB2	gap junction protein, beta 2, 26kDa (connexin 26)	13q11-q12	2706
GNB3	guanine nucleotide binding protein (G protein), beta polypeptide 3	12p13	2784
GP1BA	glycoprotein Ib (platelet), alpha polypeptide	17pter-p12	2811
HLA-E	major histocompatibility complex, class I, E	6p21.3	3133
HLA-G	HLA-G histocompatibility antigen, class I, G	6	3135
HPGD	Hydroxyprostaglandin dehydrogenase 15-(NAD)	4q34-q35	3248
HSPG2	heparan sulfate proteoglycan 2 (perlecan)	1p36.1-p35	3339
HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	13q14-q21	3356
IFNGR1	interferon gamma receptor 1	6q23-q24	3459
IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	21q22.1	3460
IGF1	insulin-like growth factor 1 (somatomedin C)	12q22-q23	3479
IGF2	insulin-like growth factor 2 (somatomedin A)	11p15.5	3481
IGF1R	insulin-like growth factor 1 receptor	15q25-q26	3480
IGF2R	insulin-like growth factor 2 receptor	6q25-q27	3482
IL10	interleukin 10	1q31-q32	3586
IL10RA	interleukin 10 receptor, alpha	11q23	3587
IL12A	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	3p12-q13.2	3592
IL12B	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	5q31.1-q33.1	3593
IL12RB1	interleukin 12 receptor, beta 1	19p13.1	3594
IL12RB2	interleukin 12 receptor, beta 2	1p31.3-p31.2	3595
IL13RA1	interleukin 13 receptor, alpha 1	Xq24	3597
IL13RA2	interleukin 13 receptor, alpha 2	Xq13.1-q28	3598
IL18	interleukin 18 (interferon-gamma-inducing	11q22.2-q22.3	3606

	factor)		
IL18BP	interleukin 18 binding protein	11q13	10068
IL1A	interleukin 1, alpha	2q12-q21	3552
IL1B	interleukin 1, beta	2q13-q21	3553
IL1R1	interleukin 1 receptor, type I	2q12	3554
IL1R2	interleukin 1 receptor, type II	2q12	7850
IL1RAPL1	interleukin 1 receptor accessory protein-like 1	Xp22.1-p21.3	11141
IL1RN	interleukin 1 receptor antagonist	2q14.2	3557
IL2	interleukin 2	4q26-q27	3558
IL2RA	interleukin 2 receptor, alpha	10p15-p14	3559
IL3	interleukin 3 (colony-stimulating factor, multiple)	5q23-q31	3562
IL3RA	interleukin 3 receptor, alpha (low affinity)	Xp22.3;Yp13.3	3563
IL4	interleukin 4	5q23-q31	3565
IL4R	interleukin 4 receptor	16p11.2-12.1	3566
IL5	interleukin 5 (colony-stimulating factor, eosinophil)	5q23-q31	3567
IL5RA	interleukin 5 receptor, alpha	3p26-p24	3568
IL6	interleukin 6 (interferon, beta 2)	7p21-p15	3569
IL6R	interleukin 6 receptor	1	3570
IL8	interleukin 8	4q13-q21	3576
IL8RA	interleukin 8 receptor, alpha	2q35	3577
IL8RB	interleukin 8 receptor, beta	2q35	3579
IL9	interleukin 9	5q31-q35	3578
IL9R	interleukin 9 receptor	Xq28 or Yq12	3581
IRS1	insulin receptor substrate 1	2q36	3667
ITGB3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	17q21.32	3690
LEP	leptin (obesity homolog, mouse)	7q31	3952
LIPC	lipase, hepatic	15q21-q23	3990
LPA	lipoprotein, Lp(a)	6q26-q27	4018
LPL	lipoprotein lipase	8p22	4023
LTA	lymphotoxin alpha (TNF superfamily, member 1)	6p21.3	4049
LTF	Lactotransferrin	3q21-q23	4057
LYZ	lysozyme (renal amyloidosis)	12	4069
MBL2	mannose-binding lectin (protein C) 2, soluble (opsonic defect)	10q11.2	4153
MGP	matrix Gla protein	12p	4256
MIF	macrophage migration inhibitory factor (glycosylation-inhibiting factor)	22q11.2	4282
MMP1	matrix metalloproteinase 1 (interstitial collagenase)	11q21-q22	4312
MMP10	matrix metalloproteinase 10 (stromelysin 2)	11q22.3	4319
MMP11	matrix metalloproteinase 11 (stromelysin 3)	22q11.2	4320
MMP12	matrix metalloproteinase 12 (macrophage elastase)	11q22.2-11q22.3	4321
MMP13	matrix metalloproteinase 13 (collagenase 3)	11q22.3	4322
MMP14	matrix metalloproteinase 14 (membrane-inserted)	14q11-q12	4323
MMP15	matrix metalloproteinase 15 (membrane-inserted)	16q13-16q21	4324
MMP16	matrix metalloproteinase 16 (membrane-inserted)	8q21-8q22.1	4325
MMP17	matrix metalloproteinase 17 (membrane-inserted)	12q24.3	4326

MMP19	matrix metalloproteinase 19	12q14	4327
MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	16q13-q21	4313
MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	11q22.3	4314
MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	11q21-q22	4316
MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	11q21-q22	4317
MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	20q12-q13	4318
MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	1p36.3	4524
NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)	4q24	4790
NOS2A	nitric oxide synthase 2A (inducible, hepatocytes)	17q11.2-q12	4843
NOS3	nitric oxide synthase 3 (endothelial cell)	7q35-q36	4846
NPPA	natriuretic peptide precursor A	1p36	4878
NPR1	natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A)	1q21-q22	4881
NPY	neuropeptide Y	7pter-q22	4852
OXTR	oxytocin receptor	3p25	5021
PAFAH1B1	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45 kDa	17p13.3-17p13.3	5048
PDGFB	platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)	22q12.3-q13.1	5155
PDGFC	platelet derived growth factor C	4q32	56034
PECAM1	platelet/endothelial cell adhesion molecule (CD31 antigen)	17q23	5175
PGF	placental growth factor, vascular endothelial growth factor-related protein	14q22-q24.3	5228
PIGF	phosphatidylinositol glycan, class F	2p21-p16	5281
PLAT	plasminogen activator, tissue	8p12-q11.2	5327
PLAU	plasminogen activator, urokinase	10q24-qter	5328
PLAUR	plasminogen activator, urokinase receptor	19q13	5329
PON1	paraoxonase 1	7q21-q22	5444
PPARA	peroxisome proliferative activated receptor, alpha	22q12-q13.1	5465
PPARG	peroxisome proliferative activated receptor, gamma	3p25	5468
PROC	protein C (inactivator of coagulation factors Va and VIIIa)	2q13-q21	5624
PROS1	protein S (alpha)	3p11-q11.2	5627
PTGER1	prostaglandin E receptor 1 (subtype EP1), 42 kDa	19p13.1	5731
PTGER2	prostaglandin E receptor 2 (subtype EP2), 53 kDa	reserved	5732
PTGER3	prostaglandin E receptor 3 (subtype EP3)	1p31.2	5733
PTGER4	prostaglandin E receptor 4 (subtype EP4)	5p13.1	5734
PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	9q32-q33.3	5742
PTGS2	prostaglandin-endoperoxide synthase 2	1q25.2-q25.3	5743

	(prostaglandin G/H synthase and cyclooxygenase)		
REN	Renin	1q32	5972
SELE	selectin E (endothelial adhesion molecule 1)	1q22-q25	6401
SELP	selectin P (granule membrane protein 140kDa, antigen CD62)	1q22-q25	6403
SERPINC1	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1	1q23-q25.1	462
SERPINE1	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	7q21.3-q22	5054
SOD3	superoxide dismutase 3, extracellular	4pter-q21	6649
SPARC	secreted protein, acidic, cysteine-rich (osteonectin)	5q31-q33	6678
TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	6p21.3	6890
TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	7q34-q35	6916
TGFB1	transforming growth factor, beta 1 (Camurati-Engelmann disease)	19q13.1	7040
THBD	Thrombomodulin	20p12-cen	7056
THBS1	thrombospondin 1	15q15	7057
THBS4	thrombospondin 4	5q12-5q13	7060
THPO	thrombopoietin (myeloproliferative leukemia virus oncogene ligand, megakaryocyte growth and development factor)	3q27	7066
TIMP1	TIMP metalloproteinase inhibitor 1	Xp11.3-p11.23	7076
TIMP2	tissue inhibitor of metalloproteinase 2	17q25	7077
TLR1	toll-like receptor 1	4p14	7096
TLR2	toll-like receptor 2	4q32	7097
TLR3	toll-like receptor 3	4q35	7098
TLR4	toll-like receptor 4	9q32-33	7099
TLR5	toll-like receptor 5	1q32.3-q42	7100
TLR6	toll-like receptor 6	4p16.1	10333
TLR9	toll-like receptor 9		
TNF	tumor necrosis factor (TNF superfamily, member 2)	6p21.3	7124
TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	12p13.2	7132
TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	1p36-p32	7133
TNR	tenascin R (restrictin, janusin)	1q25-q31	7143
VEGF	vascular endothelial growth factor	6p21-p12	7422
VEGFB	vascular endothelial growth factor B	11q13	7423
VEGFC	vascular endothelial growth factor C	4q33-4q34	7424
VWF	von Willebrand factor	12p13.3-p13.2	7450

Supplemental Table 2. Summary on previously reported genetic association studies on PE

Pubmed ID or Author	Phenotype	Cases (N)	Controls (N)	Ethnic Group	HUGO symbol	Polymorphism	MAF	P-value	Odds Ratio	95% CI
14967168	PE	95	89	Turkish	ACE	INDEL ^g	0.56	<0.05	1.53	1.02, 2.34
14638622	PE	180	310	French Canadian	ACE	IVS-16 INDEL		0.78	1	0.8, 1.4
12932862	PE	41	102	Greek	ACE	INDEL		NS ^e		
15082899	PE	90	98	Korean	ACE	INDEL		<0.05		
11776341	PE	133	224	Japanese	ACE	NSG INDEL		NS		
11776341	PE	133	224	Japanese	ADD1	G460W		NS		
11776341	PE	133	224	Japanese	ADRB2	Q27E				
11776341	PE	133	224	Japanese	ADRB2	R16G		NS		
11776341	PE	133	224	Japanese	ADRB3	WGYR				
15042014	PE	177	179	USA	ADBR3	W64R	0.91	NS		
10586529	HT ^a	33	280	Japanese	AGT	M235T		NS		
8513325	PE			Caucasian & Japanese	AGT	M235T				
10426644	PE	43	84	British	AGT	M235T		NS		
10426644	PE	43	84	British	AGT	STRP		0.02		
10694185	PE	32		Mixed, USA	AGT	L10F				
10694185	PE	32		Mixed, USA	AGT	M235T	0.60-0.83	0.23		
12576245	PE + IUGR ^b	60	400	USA	AGT	M235T	0.64	<0.001		
[130]	PE	213	161	Korean	AGT	A/G-6		NS		
14638622	PE	180	310	French Canadian	AGT	T174M	0.92	0.0033	1.9	1.2, 2.9
14638622	PE	180	310	French Canadian	AGT	M235T	0.6	0.19	1.2	0.9, 1.6
12932862	PE	41	102	Greek	AGT	M235T		0.02	7.92	2.17, 28.87
15082899	PE	90	98	Korean	AGT	M235T	0.79	NS		
15082899	PE	90	98	Korean	AGT	T174M	0.93	NS		
10482871	HT	89	381	Japanese	AGT	M235T	0.75	<0.001		
12417054	PE	14	6	Romanian	AGT	M235T				
7590609	HT	139	278	Japanese	AGT	M235T		<0.001		
7775818	HT	82	180	Japanese	AGT	M235T		<0.01		
11776341	PE	133	224	Japanese	AGT	G/A-6		NS		
**15889386	PE	627		British	AGT	C11535A		.583		
**15889386	PE	627		British	AGT	C172T		.392		
**15889386	PE	627		British	AGT	C6066A		.625		
**15889386	PE	627		British	AGT	G1035A		.997		
**15889386	PE	627		British	AGT	G676A		.913		
**15889386	PE	627		British	AGT	M235T		.505		
**15889386	PE	627		British	AGT	T174M		.185		
**15889386	PE	627		British	AGT	G/T-1074		.815		
15294367	PE	104	114	Korean	AGT	M235T				

14638622	PE	180	310	French Canadian	AGTR1	A1166C	0.67	0.53	0.9	0.7, 1.2
12932862	PE	41	102	Greek	AGTR1	A1166C		NS		
15221785	PE	98	118	British	AGTR1	Haplotype		0.3		
11776341	PE	133	224	Japanese	AGTR1	A1166C		NS		
**15889386	PE	627		British	AGTR1	A1166C		0.957		
**15889386	PE	627		British	AGTR1	C573T		0.848		
**15889386	PE	627		British	AGTR1	T/A-810		0.41		
**15889386	PE	627		British	AGTR1	C/T-521		0.309		
**15889386	PE	627		British	AGTR2	A333T		0.039		
**15889386	PE	627		British	AGTR2	G2812T		0.054		
**15889386	PE	627		British	AGTR2	Haplotype		0.59		
15221785	PE	98	118	British	AGTR2	Haplotype		0.004	2.52	0.97, 6.55
10862840	PE	63	126	Israeli	Anti-thrombin-III def.			NA ^f	NA	NA
14638622	PE	180	310	French Canadian	APOB	T2488T	0.5	0.87	1	0.8, 1.3
146787732	PE	51	144	Portugese	APOE	E2/E3/E4		NS		
12175441	PE	49	55	French	APOE	E2/E3/E4	0.76	NS		
11776341	PE	133	224	Japanese	APOE	E2/E3/E4		NS		
15925890	PE			Chinese	APOJ	C1061T	0.83	NS		
15042014	PE	177	179	USA	B3AR	T64R	0.91	NS		
11349190	PE	281	360	USA Caucasian	CBS	68 bp insertion	0.91	NS		
15866085	PE	43	122	Spanish	CBS	C699T	0.69	NS		
15866085	PE	43	122	Spanish	CBS	844INS68	0.86	NS		
15866085	PE	43	122	Spanish	CBS	C1080T	0.7	NS		
146787732	PE	51	144	Portugese	CETP	IVS1		NS		
11776341	PE	133	224	Japanese	CYP11B2	T/C-344		NS		
15734083	PE	121	214	Korean	CYP1A1	MspI	0.6	NS		
15734083	PE	121	214	Korean	CYP1A1	I/V	0.73	NS		
11593097	PE	72	81	Australian	EDN1	L198N	0.77	NS		
11776341	PE	133	224	Japanese	EDN1	K198N		NS		
12173035	PE	133	115	Finnish	EPHX1	Haplotype	0.66	0.01	1.61	1.2, 2.32
11283205	PE	183	151	Dutch	EPHX1	Y113H			2	1.2, 3.7
11283205	PE	183	151	Dutch	EPHX1	R139H		NS		
10521764	PE	163	163	Dutch	F2	G20210A	0.96	NS		
10862840	PE	63	126	Israeli	F2	G20210A		0.14	2.6	0.7, 10.2
14508198	HT ^a	59		Italian	F2	G20210A		NS		
11961379	PE	58	74	Italian	F2	G20210A		NS		
15091001	PE	37	100	British	F2	G20210A	0.98	NS		
12628278	PE	100	110	South-African	F2	G20210A	1			
12867763	PE	52	80	Italian	F2	G20210A		NS		
11483920	PE	110	97	Mixed	F2	G20210A	0.98	0.92		
11776341	PE	133	224	Japanese	F2	G10210A	1			
15733879	PE	39	64	Italian	F2	G20210A		NS		
10521764	PE	163	163	Dutch	F5	G1691A	0.9	NS		

10329869	PE	345	67	Dutch	F5	G1691A	0.98	NS		
10862840	PE	63	126	Israeli	F5	G1691A		0	4.6	1.8, 11.6
14638622	PE	180	310	French Canadian	F5	G1691A		0.35	1.6	0.6, 4.2
14508198	HT ^a	59		Italian	F5			NS		
11961379	PE	58	74	Italian	F5			NS		
11950065	PE	133	224	Japanese	F5	M385T		0.05		
11950065	PE	133	224	Japanese	F5	R485K		0.02		
11950065	PE	133	224	Japanese	F5	N789T		0.3		
11950065	PE	133	224	Japanese	F5	S1285S		0.86		
11950065	PE	133	224	Japanese	F5	L1302I		0.64		
15091001	PE	37	100	British	F5	G1691A	0.98	0.048		
12628278	PE	100	110	South-African	F5	G1691A	1			
11888101	PE	48	46	Australian	F5	G2691A	0.87	0.52		
12867763	PE	52	80	Italian	F5	G1691A		NS		
9241730	PE	96	129	Italian	F5	G1691A	0.98	0.02		
11349190	PE	281	360	USA Caucasian	F5	G1691A	0.98	NS		
10625207	HT ^a	71	109	Japanese	F5	G1691A	1			
11483920	PE	110	97	USA	F5	G1691A	0.99	0.96		
10373212	PE	283	200	British	F5	G1691A	0.97	NS		
* 14746952	PE	82	116	Germans and Croats only	F5	G1691A	0.99	0.05		
** 15097012	PE	92		Norwegian	F5	G1691A			2.5	1.1, 5.7
11776341	PE	133	224	Japanese	F5	R3086	1			
11776341	PE	133	224	Japanese	F5	R308T	1			
11776341	PE	133	224	Japanese	F5	R485K	0.67	0.007	1.36	1.09, 1.69
11776341	PE	133	224	Japanese	F5	G1691A	1			
15905108	PE/ E ^d	33	62	Mexican	F5	G1691A	0.98	NS		
15733879	PE	39	64	Italian	F5	G1691A		<0.05		
** 15889386	PE	627		British	F5	G1691A		0.779		
12151156	PE	133	115	Finnish	F7	INDEL-323	0.94	NS		
12151156	PE	133	115	Finnish	FGB	G/A-455	0.79	NS		
15091001	PE	37	100	British	FGB	G/A-455	0.82	0.572		
11776341	PE	133	224	Japanese	FOLHI	H475Y	1			
11776341	PE	133	224	Japanese	GCGR	G40S	1			
11776341	PE	133	224	Japanese	GCK	G/A-258		NS		
11776341	PE	133	224	Japanese	GNB3	C825T		NS		
11776341	PE	133	224	Japanese	GP1BA	T145M		NS		
10862841	HELLP ^c	170	108	Caucasian	GST	P1b-1b		0.02	6	1.2, 10
15734083	PE	121	214	Korean	GSTM1	Null allele	0.52	NS		
14638622	PE	180	310	French Canadian	GSTP1	I105V		0.26	0.7	0.4, 1.3
14719182	HT ^a	131	327	Japanese	GSTP1	I105V				
11776341	PE	133	224	Japanese	GSTP1	I105V		NS		
** 11826024	PE	113		Dutch	GSTP1	I105V		0.005		
15734083	PE	121	214	Korean	GSTT1	Null allele	0.55	NS		

2371715	PE	92	65		HLA-A			NS		
8150376	PE	183	151	Swedish	HLA-A			NS		
2371715	PE	92	65		HLA-B					
8150376	PE	183	151	Swedish	HLA-B					
2371715	PE	92	65		HLA-DR			0.005	3.1	
8150376	PE	48	26	Swedish	HLA-DR					
2572795	PE	56	71		HLA-DR	HLA-DR4				
** 14985477	PE	155		Danish	HLA-G			0.002	5.57	1.79, 17.31
** 10816131	PE	68		Irish	HLA-G			NS		
11776341	PE	133	224	Japanese	HLA-G	exon 8 INDEL		NS		
12624142	HELLP ^c	109	166	Dutch	HP		0.57	NS		
11776341	PE	133	224	Japanese	ICAM1	K469E		NS		
** 10816131	PE	68		Irish	IGF2		0.58	NS		
16021081	PE	150	661	USA	IL10	A/G-1082			0.9	0.2, 4.7
16021081	PE	150	661	USA	IL10	C/T-819			0.3	0.04, 3.0
15085177	PE				IL10	-2849			0.29	0.10, 0.83
16021081	PE	150	661	USA	IL1A	G/T-4845			11.6	1.5, 89.3
16021081	PE	150	661	USA	IL1A	C/T-889		.035	5.1	0.6, 41.6
16021081	PE	150	661	USA	IL1B	C/T-3957			0.5	0.1, 5.2
11339912	PE	69	47	Hispanic, USA	IL1B	C/T-511		NS		
11339912	PE	69	47	Hispanic, USA	IL1B	exon 5		NS		
12044341	PE	150	104	Dutch	IL1B	Taq1	0.76	NS		
12044341	PE	150	104	Dutch	IL1B	Ava1	0.68	NS		
11339912	PE	69	47	Hispanic, USA	IL-1RN	IVS2 86-bp repeat		NS		
12044341	PE	150	104	Dutch	IL1RN	IVS2 86-bp repeat	0.68	NS		
14568678	PE	133	400	Finish	IL1RN	IVS2 86-bp repeat	0.67	0.006	1.51	
12716314	PE	115	217	South-African Black (Zulu)	ITGB3	C/T	0.86	NS		
11754000	PE	45	48	Australian	KIR2DL4			NS		
10636447	PE	100	211	USA Caucasian	LPL	N291S	0.99	0.008		
10636447	PE	100	211	USA Caucasian	LPL	D9N	0.99	0.02		
10636447	PE	100	211	USA Caucasian	LPL	T/G-93	0.99	0.02		
10636447	PE	100	211	USA Caucasian	LPL	S447X	0.91	NS		
* 11711487	PE	350	265	USA Caucasian	LPL	D9N	0.98	NS		
* 11711487	PE	350	265	USA Caucasian	LPL	T/G-93	0.97	NS		
* 11711487	PE	350	265	USA Caucasian	LPL	N291S	0.99	NS		

11776341	PE	133	224	Japanese	LPL	T/G-93	1			
11576577	PE	30	98	Dutch	LTA	NCOI		NS		
11576577	PE	30	98	Dutch	LTA	ASpHI		NS		
15734083	PE	121	214	Korean	MPO	G/A-463	0.92	NS		
10862840	PE	63	126	Israeli	MTHFR	C677T		0	3	1.3, 6.8
11531629	PE	46		Danish	MTHFR	C677T	0.71	<0.55		
12681883	PE	27	30	USA	MTHFR	C677T		NS		
14638622	PE	180	310	French Canadian	MTHFR	A222V		0.31	1.3	0.8, 2.2
14508198	HT ^a	59		Italian	MTHFR	C677T		NS		
11961379	PE	58	74	Italian	MTHFR	C677T		NS		
15091001	PE	37	100	British	MTHFR	C677T	0.69	NS		
12867763	PE	52	80	Italian	MTHFR	C677T		NS		
9241730	PE	96	129	Italian	MTHFR	C677T	0.81	0.05		
11349190	PE	281	360	USA Caucasian	MTHFR	C677T	0.68	NS		
11483920	PE	110	97		MTHFR	C677T	0.76	0.54		
10373212	PE	283	200	British	MTHFR	C677T	0.69	NS		
* 14746952	PE	82	116	Germans and Croatsians only	MTHFR	C677T		NS		
** 15097012	PE	92		Norwegian	MTHFR	C677T			2	1.0, 4.1
15163465	PE	148	177+313	Hispanic	MTHFR	C677T	0.55	NS		
* 12052604	PE	40	72	German- Croatian	MTHFR	C677T		0.507		
* 12052604	PE	41	27	Indonesian	MTHFR	C677T		0.902		
10655155	PE	171	185	Zimbabwean (Black)	MTHFR	C677T	0.91	NS		
11096266	PE	156	79	Australian	MTHFR	C677T	0.67	NS		
10965192	PE			Australian	MTHFR	A1298C		NS		
11776341	PE	133	224	Japanese	MTHFR	C677T	0.63			
11776341	PE	133	224	Japanese	MTHFR	A1298C		NS		
15866085	PE	43	122	Spanish	MTHFR	C677T	0.54	NS		
15866085	PE	43	122	Spanish	MTHFR	A1298C	0.74	NS		
15905108	PE/E ^d	33	62	Mexican	MTHFR	C677T	0.6	NS		
15733879	PE	39	64	Italian	MTHFR	C677T		NS		
** 15889386	PE	627		British	MTHFR	A1298C		0.419		
** 15889386	PE	627		British	MTHFR	C677T		0.723		
15866085	PE	43	122	Spanish	MTR	A2756G	0.85	NS		
15866085	PE	43	122	Spanish	MTRR	G66A	0.5	NS		
15866085	PE	43	122	Spanish	MTRR	G/A IVSI+766	0.53	NS		
15866085	PE	43	122	Spanish	MTRR	A/C IVSI+754	0.73	NS		
12908999	PE	61	188	Italian	NOS3	VNTR	0.82	NS		
12699878	PE	132	113	Finnish	NOS3	Q298D	0.68	NS		
14719182	HT ^a	131	327	Japanese	NOS3	Q298D				
10647900	PE	72	48	Chinese	NOS3	CA-repeat		0.27		
10647900	PE	46	80	Australian	NOS3	CA-repeat		0.2		
11745998	HT ^a	152	335	Japanese	NOS3	Q298D		<0.01		

15110896	PE	64	397	Hispanic & Caucasian	NOS3	Q298D	0.79	NS		
12867761	PE	112	119	Bangladesian	NOS3	Q298D		NS		
11776341	PE	133	224	Japanese	NOS3	Q298D		NS		
11776341	PE	133	224	Japanese	NOS3	T/C-786		NS		
16009421	PE			Korean	NOS3	Q298D		NS		
**15889386	PE	627		British	NOS3	A17971A		0.22		
**15889386	PE	627		British	NOS3	C13834A		0.676		
**15889386	PE	627		British	NOS3	G3497A		0.355		
**15889386	PE	627		British	NOS3	G9932A		0.724		
**15889386	PE	627		British	NOS3	Q298D		0.455		
**15889386	PE	627		British	NOS3	T/A-1474		0.248		
11776341	PE	133	224	Japanese	PLA2G7	V279F		NS		
12324185	PE	133	115	Finnish	PPARA	P12A	0.81	NS		
10521764	PE	163	163	Dutch	PROC			NS		
10862840	PE	63	126	Israeli	PROC		1	NA	NA	NA
10521764	PE	163	163	Dutch	PROS1			NS		
10862840	PE	63	126	Israeli	PROS1		0	10.7	1.2, 94.3	
11776341	PE	133	224	Japanese	SELE	S128R				
14508198	HT ^a	59		Italian	SERPINE1	4G/5G		NS		
12867763	PE	52	80	Italian	SERPINE1	4G/56-675		0.014		
12716314	PE	115	217	South-African Black (Zulu)	SERPINE1	4G/5G	0.88	NS		
10807538	PE	115	210 & 298	Japanese	SERPINE1	4G/5G	0.68	0.03		
11776341	PE	133	224	Japanese	SERPINE1	4G/5G		NS		
15734083	PE	121	214	Korean	SOD2	V/A	0.85	NS		
14638622	PE	180	310	French Canadian	TGFB1	R25P		0.71	0.9	0.6, 1.5
12297717	PE	142	138	Australian & New Zealander	THBD	A455V	0.81	NS		
12628278	PE	100	110	South-African	THBD	A455V	0.98			
11776341	PE	133	224	Japanese	THBD	A455V		NS		
14638622	PE	180	310	French Canadian	TNF	G/A-308	0.87	0.36	0.8	0.6, 1.2
11576577	PE	30	98	Dutch	TNF	G/A-308				
11576577	PE	30	98	Dutch	TNF	-238			3.8	1.6, 8.9
11576577	PE	30	98	Dutch	TNF	6 STRP ^h				
11776341	PE	133	224	Japanese	TNF	G/A-308				
11776341	PE	133	224	Japanese	TNF	C/T-857		NS		
11776341	PE	133	224	Japanese	TNF	C/A-863		NS		
16021081	PE	150	661	USA	TNF	G/A-308			0.8	0.3, 2.6
**15889386	PE	627		British	TNF	A1893G		0.362		
**15889386	PE	627		British	TNF	G4101A		0.86		
**15889386	PE	627		British	TNF	G/A-308		0.402		
**15889386	PE	627		British	TNF	A/G-1082		0.954		
9616877	PE	131	41	USA	TNFA1	G/A -308	0.85	NS		

- a) HT – Hypertension during pregnancy
- b) IUGR – Intrauterine Growth Restriction
- c) HELLP – Hemolysis, Elevated Liver Enzymes, Low Platelet Count
- d) NS – Not Significant
- f) NA – Not Available
- g) INDEL – Insertion/Deletion
- h) STRP – short tandem repeat polymorphisms
- i) MAF – Major Allele Frequency

*infants were included in the study

** used mother/father/child trios

Supplemental Table 3. Details on SNPs without rs Numbers.

Gene Symbol	SNP	Region	Accession	Position ^a	Alleles	Sequence Context`
COL4A2	633876793	intron 33	GPI_24462.1	59308	G/T	CTCACCAGA [G/T] TGTTACA
GNB3	43188143	intron 1	U47924.1	4536	C/A	CCCTCCTCC [C/A] GGCTGGGCC
LPL	12584682	promoter	AC074252.2	7308	G/A	TGGTCTCTAT [G/A] GATTTGTCTAT
LPL	12626985	exon 2	AC074252.2	46209	G/A	TTTTATC [G/A] ACATCGAAAGTAA
SERPINE1	629203538	exon 9	AC004876.2	33657	C/T	CTTGGAGGAC [C/T] TTTAGGTCAAA

^aPosition within the sequence corresponding to the accession number.