

# Identification of Haplotype Tag Single Nucleotide Polymorphisms within the PPAR Family Genes and Their Clinical Relevance in Patients with Major Trauma

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**Table S1.** The total SNPs identified from the 137 healthy Chinese Han Beijing (CHB) individuals of the HapMap project.

Gene	No.	Name	Position	MAF	Alleles
PPAR $\alpha$	1	rs9615487	44923635	0	A/G
	2	rs4253781	44926043	0	C/T
	3	rs4253617	44927264	0	A/G
	4	rs4253621	44928018	0	A/G
	5	rs4253622	44928055	0	C/G
	6	rs4253623	44928770	0.174	A/G
	7	rs4253630	44930682	0	A/G
	8	rs135552	44931479	0.067	C/T
	9	rs6008970	44931664	0.011	C/T
	10	rs135551	44931685	0.081	A/G
	11	rs5769129	44931719	0	C/T
	12	rs6007965	44931786	0	A/G
	13	rs135550	44931898	0.078	C/T
	14	rs16994915	44931919	0	A/C
	15	rs135549	44931972	0.25	C/T
	16	rs135548	44932167	0.067	A/G
	17	rs135547	44932314	0.078	C/G
	18	rs8139731	44933016	0	C/T
	19	rs2238833	44933264	0.012	A/G
	20	rs4253783	44933960	0	A/G
	21	rs135543	44933985	0.07	C/T
	22	rs5769142	44934006	0	A/G
	23	rs4253633	44934334	0	A/G
	24	rs4253634	44934435	0	G/T
	25	rs4253635	44934650	0	A/G
	26	rs135542	44934701	0.067	C/T
	27	rs4253784	44934799	0	A/G
	28	rs6008974	44935586	0	A/G
	29	rs129600	44935825	0.337	A/G
	30	rs12160659	44936352	0.011	G/T
	31	rs16994933	44937241	0	C/T
	32	rs9306498	44937555	0	A/G
	33	rs6008976	44937677	0	A/G
	34	rs9680676	44938138	0	C/G
	35	rs9615523	44939431	0	C/T
	36	rs12166902	44939924	0	C/T
	37	rs5769178	44939938	0.221	A/C
	38	rs9626729	44940216	0	A/G

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	39	rs9627046	44940230	0.209	A/G
	40	rs11913649	44940741	0	A/G
	41	rs4253640	44942002	0	C/G
	42	rs135538	44943292	0.43	C/G
	43	rs5769184	44944441	0	A/C
	44	rs881740	44946052	0.209	A/G
	45	rs5769219	44947547	0	G/T
	46	rs4253653	44947566	0	G/T
	47	rs4253655	44947835	0	A/G
	48	rs4253786	44948413	0	A/T
	49	rs9626736	44948896	0.151	A/G
	50	rs9626737	44949006	0	A/G
	51	rs12160049	44949046	0	A/C
	52	rs6009058	44949617	0	C/T
	53	rs4253662	44951408	0	A/G
	54	rs4253788	44952315	0	C/T
	55	rs4253678	44952674	0	A/G
	56	rs4253679	44952679	0.012	A/G
	57	rs6009081	44955815	0	A/G
	58	rs1555208	44955874	0	G/T
	59	rs11704856	44956144	0	A/T
	60	rs4253681	44958264	0.222	C/T
	61	rs4253682	44958361	0	G/T
	62	rs7289836	44958675	0	A/C
	63	rs4253684	44958811	0	C/T
	64	rs4253692	44959755	0	A/G
	65	rs9627100	44961405	0.012	A/G
	66	rs7287085	44961638	0	A/T
	67	rs761543	44963053	0	C/T
	68	rs7364220	44963648	0.012	A/G
	69	rs7364140	44963684	0	A/G
	70	rs4253698	44964092	0	C/T
	71	rs4253700	44964658	0	C/T
	72	rs4253792	44964718	0	C/T
	73	rs4253701	44964774	0.012	A/G
	74	rs4253702	44964950	0	A/G
	75	rs4253703	44965084	0	C/T
	76	rs4253704	44965370	0	C/G
	77	rs9626756	44965754	0	A/G
	78	rs11912612	44966079	0	G/T
	79	rs5769364	44966121	0	A/G
	80	rs5769366	44966162	0	A/G
	81	rs17661656	44966942	0	C/G
	82	rs12330015	44968942	0.209	A/G
	83	rs8138102	44970416	0.012	A/G
	84	rs11703495	44972000	0	A/T
	85	rs12170381	44972203	0	A/C
	86	rs4253711	44973697	0.156	A/G

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	87	rs4253712	44973699	0.156	A/G
	88	rs7292459	44974766	0	C/T
	89	rs11913971	44974800	0	G/T
	90	rs7290473	44975951	0	A/C
	91	rs5766714	44975994	0	A/C
	92	rs4823613	44976971	0.221	A/G
	93	rs8139794	44977611	0	C/T
	94	rs12166868	44980224	0	G/T
	95	rs4253713	44980575	0	A/G
	96	rs4253719	44981311	0	A/G
	97	rs5766741	44983854	0.222	C/T
	98	rs5766743	44986042	0.163	A/G
	99	rs6008129	44988387	0	G/T
	100	rs4253727	44988626	0.011	C/T
	101	rs4253728	44988731	0	A/G
	102	rs4253729	44988897	0	C/G
	103	rs5767686	44989852	0	C/T
	104	rs4253736	44989925	0	C/G
	105	rs4253739	44990414	0	A/G
	106	rs4253743	44990971	0	A/G
	107	rs5767700	44991336	0.222	C/T
	108	rs4253744	44991568	0	C/G
	109	rs13056831	44991745	0	A/G
	110	rs4253747	44991901	0.198	A/T
	111	rs4253748	44991930	0	C/T
	112	rs6413511	44992811	0.022	A/G
	113	rs1800204	44992834	0.012	A/G
	114	rs1800206	44992938	0	C/G
	115	rs4253754	44993808	0	A/G
	116	rs4253755	44994040	0	A/G
	117	rs1800235	44994569	0	C/T
	118	rs4253756	44994722	0	C/T
	119	rs4253757	44994781	0	A/C
	120	rs12170204	44997864	0	C/T
	121	rs6008193	44998802	0	G/T
	122	rs6008197	44999080	0	C/G
	123	rs6007662	44999709	0.14	A/G
	124	rs5767743	45000658	0.256	C/T
	125	rs4253759	45000792	0	A/G
	126	rs4253760	45001048	0	G/T
	127	rs4253763	45001264	0	C/T
	128	rs4253764	45001452	0	A/C
	129	rs4253765	45001552	0	C/T
	130	rs6519979	45002201	0	C/T
	131	rs11090819	45005170	0	A/G
	132	rs4253772	45006267	0	C/T
	133	rs1042311	45006444	0	C/T
	134	rs4253798	45006948	0	A/G
	135	rs4253776	45008143	0	A/G

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	136	rs4253777	45009286	0	A/G
	137	rs4253778	45009298	0	C/G
	138	rs4253779	45009457	0	C/T
	139	rs4253800	45010115	0	A/C
	140	rs5767779	45010515	0	A/T
	141	rs9615264	45011253	0	A/G
	142	rs11704979	45011658	0	A/G
	143	rs6008259	45012446	0.012	A/G
	144	rs11703765	45013924	0	C/T
	145	rs11703766	45013935	0	C/T
	146	rs4823487	45013985	0	A/T
	147	rs12167302	45014144	0	C/T
	148	rs3892755	45014263	0	A/G
	149	rs9615784	45014671	0.012	A/G
	150	rs7286168	45015134	0	C/T
	151	rs5766804	45015639	0	C/G
	152	rs10427717	45015701	0	C/T
	153	rs9626814	45015918	0	A/G
	154	rs4592961	45016034	0	C/T
	155	rs9627268	45016310	0	C/T
	156	rs10154348	45016823	0	A/C
	157	rs1055659	45016962	0	C/T
	158	rs11704508	45017204	0	A/G
	159	rs12159525	45017242	0	A/C
	160	rs14842	45018121	0	A/T
	161	rs6008306	45018756	0	A/G
	162	rs10154668	45018774	0	A/G
	163	rs5767842	45019491	0	C/T
	164	rs12159251	45019935	0	C/T
	165	rs7284616	45020136	0	C/T
	166	rs9626816	45020262	0	A/G
	167	rs11705226	45021238	0	A/C
PPAR $\beta$	1	rs9658056	35417538	0.067	C/T
	2	rs9658057	35417635	0	A/C
	3	rs9658059	35418444	0	C/T
	4	rs6919734	35419966	0	A/G
	5	rs2267664	35420232	0.233	A/G
	6	rs9462073	35420918	0	A/G
	7	rs9658068	35421954	0.093	A/G
	8	rs9658069	35422466	0.011	C/T
	9	rs9658070	35422846	0	A/C
	10	rs9658071	35423103	0.012	A/G
	11	rs9658072	35423118	0	A/G
	12	rs9658073	35423968	0	A/C
	13	rs9658074	35424109	0	C/T
	14	rs6457813	35425279	0.044	C/T
	15	rs4713851	35426762	0	A/G
	16	rs7771323	35428426	0.011	A/G
	17	rs6937510	35428789	0	C/T

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	18	rs7744392	35430741	0.011	A/G
	19	rs7758272	35430953	0.012	A/G
	20	rs13206834	35431267	0	A/C
	21	rs9942489	35431687	0.011	A/T
	22	rs11758212	35431799	0	A/G
	23	rs9942465	35432191	0	A/C
	24	rs7746988	35432719	0.035	C/T
	25	rs4278009	35433696	0	C/T
	26	rs9658076	35434964	0	C/T
	27	rs9658077	35435339	0.012	A/G
	28	rs9658079	35435555	0	C/T
	29	rs9462075	35435794	0	C/T
	30	rs11967065	35436295	0	C/G
	31	rs12530232	35437384	0	G/T
	32	rs6901410	35438008	0.058	C/T
	33	rs11961212	35438128	0.012	C/T
	34	rs9348972	35438289	0.011	C/T
	35	rs6902123	35438399	0.056	C/T
	36	rs6457815	35438876	0.012	C/T
	37	rs11751895	35439082	0	C/T
	38	rs11962571	35440131	0	A/T
	39	rs9470001	35441719	0.057	C/G
	40	rs12181514	35441777	0	A/C
	41	rs7757196	35443268	0	A/G
	42	rs9658080	35445175	0.012	A/G
	43	rs9658081	35445249	0.012	C/T
	44	rs9658083	35445269	0.034	C/G
	45	rs9658084	35445334	0.058	C/T
	46	rs9296148	35445445	0.058	A/G
	47	rs9470003	35445909	0	C/G
	48	rs7754530	35445936	0	G/T
	49	rs7772754	35446084	0	C/G
	50	rs7739752	35447013	0.058	C/T
	51	rs9368862	35447527	0	C/T
	52	rs11751306	35447722	0	A/C
	53	rs9368863	35447899	0	C/T
	54	rs12173582	35448278	0.244	C/T
	55	rs6913026	35448872	0	C/G
	56	rs7750906	35448999	0.012	G/T
	57	rs12524787	35449114	0	G/T
	58	rs9470004	35449828	0	C/T
	59	rs6919334	35449853	0.058	A/G
	60	rs9658085	35452404	0.012	C/T
	61	rs9470007	35457717	0.058	C/T
	62	rs7770619	35458020	0.012	C/T
	63	rs6937483	35458737	0	A/G
	64	rs6922548	35461501	0.058	A/G
	65	rs9394294	35461533	0	A/G
	66	rs16868709	35462449	0	C/G

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	67	rs12174594	35463391	0	C/T
	68	rs9348973	35463404	0.012	A/G
	69	rs9470011	35463423	0	C/T
	70	rs3777744	35464121	0.291	A/G
	71	rs9658098	35464509	0	A/G
	72	rs9658099	35464514	0	G/T
	73	rs9658100	35464618	0.058	G/T
	74	rs9658101	35464761	0	A/G
	75	rs3798343	35465671	0.233	C/G
	76	rs9658107	35465763	0	C/T
	77	rs9462078	35465952	0	A/G
	78	rs6915115	35466923	0.012	C/T
	79	rs6457816	35470826	0.058	C/T
	80	rs9658108	35471735	0.011	C/G
	81	rs9658112	35472771	0	C/T
	82	rs9658115	35473024	0	A/G
	83	rs9658117	35473389	0.023	G/T
	84	rs2284197	35473435	0.044	A/G
	85	rs9658118	35473806	0	A/G
	86	rs9658119	35473945	0.012	A/C
	87	rs9380506	35474868	0.193	A/C
	88	rs1040436	35475887	0.256	A/G
	89	rs10081143	35476761	0	C/T
	90	rs9470015	35477062	0.189	A/G
	91	rs2267665	35477469	0.198	A/G
	92	rs1883322	35477784	0.256	C/T
	93	rs1883321	35477812	0	C/T
	94	rs2267666	35478706	0.256	A/T
	95	rs9658120	35479057	0	C/T
	96	rs9658121	35479278	0	A/G
	97	rs9658122	35479313	0	C/T
	98	rs9658123	35479323	0	A/G
	99	rs9658125	35479412	0.047	C/T
	100	rs9658126	35479533	0	C/T
	101	rs7751726	35479602	0.012	A/G
	102	rs7751481	35479731	0.256	A/G
	103	rs9658127	35480031	0	A/G
	104	rs9658128	35480060	0	C/T
	105	rs2267667	35480502	0.256	C/G
	106	rs9470017	35481971	0	A/C
	107	rs2038068	35482439	0.256	A/G
	108	rs2038067	35482444	0.198	A/G
	109	rs6906237	35483504	0.047	A/C
	110	rs9462081	35483984	0.012	A/C
	111	rs6911817	35484265	0	C/T
	112	rs4388282	35484328	0	A/C
	113	rs4555908	35484381	0	A/C
	114	rs4292520	35484392	0	A/C
	115	rs4587165	35484657	0	A/C

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	116	rs9658129	35485692	0	A/G
	117	rs2267668	35485900	0.174	A/G
	118	rs9658130	35486018	0	A/G
	119	rs2267669	35486102	0.174	A/G
	120	rs9658131	35486713	0	G/T
	121	rs9658133	35486739	0	C/T
	122	rs2016520	35486756	0.233	C/T
	123	rs9658134	35486776	0	A/G
	124	rs9658135	35486975	0	A/G
	125	rs9658136	35487324	0	C/T
	126	rs9658137	35487533	0	A/G
	127	rs9658138	35487549	0	G/T
	128	rs9658144	35488111	0	A/G
	129	rs9296153	35488200	0	C/T
	130	rs9658145	35488292	0	C/T
	131	rs9658146	35488720	0	C/G
	132	rs6942084	35488968	0	A/G
	133	rs4713854	35489077	0	A/C
	134	rs9470019	35491163	0	A/G
	135	rs2299869	35491410	0.186	C/T
	136	rs9717879	35492207	0	G/T
	137	rs4513790	35492313	0	A/G
	138	rs12198825	35492451	0	A/G
	139	rs9462082	35494019	0.174	A/G
	140	rs9296154	35495356	0.047	A/G
	141	rs9658147	35495443	0	A/G
	142	rs9658148	35495458	0	A/G
	143	rs9658149	35495516	0	A/C
	144	rs7762809	35495718	0.011	C/T
	145	rs9658150	35495878	0	A/G
	146	rs9658151	35496362	0.012	C/T
	147	rs9658152	35496446	0	C/T
	148	rs2076169	35496457	0.174	A/G
	149	rs9658156	35497488	0	C/T
	150	rs9658158	35498077	0	A/G
	151	rs9658159	35499538	0	A/G
	152	rs2076167	35499765	0.233	C/T
	153	rs9658160	35499882	0	C/T
	154	rs9658161	35500005	0	C/G
	155	rs9658162	35500068	0	A/G
	156	rs9658163	35500245	0	C/T
	157	rs9658164	35500687	0	A/G
	158	rs2076166	35501382	0.186	A/G
	159	rs9658166	35501741	0	C/T
	160	rs9658168	35502225	0	A/T
	161	rs9470022	35502843	0	C/T
	162	rs9658175	35502880	0	C/T
	163	rs9658176	35502925	0	C/T
	164	rs3734253	35502939	0	A/C

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	165	rs3734254	35502988	0.202	C/T
	166	rs9658177	35503426	0.105	A/G
	167	rs9658178	35503524	0	C/T
	168	rs1053046	35503556	0.035	A/G
	169	rs1053049	35503596	0.221	C/T
	170	rs760783	35503982	0.186	G/T
	171	rs7749160	35505105	0.186	C/T
	172	rs9470023	35506335	0.012	G/T
PPAR $\gamma$	1	rs9837686	12301825	0	A/T
	2	rs13077495	12302751	0.023	C/T
	3	rs17029002	12303932	0	C/T
	4	rs2920502	12304195	0.244	C/G
	5	rs17036160	12304783	0.023	C/T
	6	rs17036183	12306536	0	C/T
	7	rs12106668	12308495	0	C/G
	8	rs2972164	12309416	0.116	C/T
	9	rs6809631	12310647	0.408	A/T
	10	rs6785890	12310816	0.43	A/C
	11	rs11709077	12311507	0.023	A/G
	12	rs6768587	12313115	0.43	A/G
	13	rs4684846	12313849	0.43	A/G
	14	rs9817428	12315267	0.43	A/C
	15	rs17036188	12315925	0.337	C/T
	16	rs12631028	12316406	0.462	C/T
	17	rs12636461	12316830	0.43	A/G
	18	rs13076055	12316996	0.43	A/G
	19	rs12631819	12317861	0.337	G/T
	20	rs11128596	12318117	0.43	A/C
	21	rs11710969	12318591	0.43	A/G
	22	rs7620165	12319441	0.058	A/G
	23	rs11128597	12319636	0.43	A/G
	24	rs17793693	12320971	0	A/C
	25	rs10510410	12321738	0.233	A/C
	26	rs10510411	12321849	0.233	A/G
	27	rs6805419	12321911	0	C/T
	28	rs10510412	12321962	0.222	A/G
	29	rs17036242	12324490	0.233	A/G
	30	rs13061415	12324924	0.233	C/T
	31	rs10212597	12325680	0	A/G
	32	rs12639162	12325781	0.233	A/G
	33	rs12485478	12326223	0.198	A/G
	34	rs12629240	12326574	0.233	A/G
	35	rs9310401	12327468	0.233	C/T
	36	rs11715073	12327971	0.233	C/G
	37	rs10865710	12328198	0.233	C/G
	38	rs3112394	12328303	0	C/T
	39	rs11128598	12328326	0.233	C/T
	40	rs13095716	12328612	0.222	A/T
	41	rs13073869	12328993	0.233	A/G



Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	42	rs12496505	12331158	0.222	A/G
	43	rs12487012	12331196	0.233	C/T
	44	rs13070963	12331605	0.233	C/T
	45	rs6800748	12332832	0	A/G
	46	rs6800910	12332957	0	A/G
	47	rs13433696	12333492	0.233	A/G
	48	rs2067819	12334049	0.023	A/G
	49	rs2067820	12334056	0	A/G
	50	rs12636454	12335214	0.233	C/T
	51	rs12633551	12335494	0.209	C/T
	52	rs11128599	12335769	0.233	A/G
	53	rs12495364	12336929	0.233	C/T
	54	rs7646425	12338291	0	A/G
	55	rs7646510	12338358	0	A/G
	56	rs12493718	12338637	0.233	G/T
	57	rs13083375	12340308	0.023	G/T
	58	rs3892175	12343038	0	A/G
	59	rs2920501	12343887	0	C/T
	60	rs13064760	12344401	0.023	C/T
	61	rs9814788	12344799	0.012	C/T
	62	rs880663	12345083	0.222	A/G
	63	rs17793951	12345737	0.058	A/G
	64	rs12496005	12346082	0.167	C/G
	65	rs4145574	12347074	0.233	A/G
	66	rs4145573	12347386	0.233	A/G
	67	rs2028760	12347882	0.233	A/G
	68	rs3112395	12348094	0	A/G
	69	rs1122648	12350391	0.233	C/T
	70	rs1984668	12350712	0	A/T
	71	rs9823137	12351178	0	C/G
	72	rs17036314	12351745	0.222	C/G
	73	rs10510417	12352294	0.222	C/G
	74	rs11128601	12356165	0.233	C/T
	75	rs9870196	12358664	0	A/G
	76	rs7638903	12358714	0.023	A/G
	77	rs12490265	12359542	0.133	A/G
	78	rs17036321	12359599	0	C/T
	79	rs12330440	12359870	0	C/G
	80	rs11128603	12360828	0.022	A/G
	81	rs4684847	12361337	0.023	C/T
	82	rs12635309	12362281	0	C/T
	83	rs10510418	12363563	0.116	A/C
	84	rs17036326	12364313	0.023	A/G
	85	rs12497191	12365135	0.209	A/G
	86	rs17036328	12365484	0.023	C/T
	87	rs11712510	12365695	0	C/T
	88	rs11712531	12365713	0	C/T
	89	rs6802898	12366207	0.023	C/T
	90	rs2197423	12366583	0.023	A/G

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	91	rs7614873	12366809	0	G/T
	92	rs7647481	12366813	0.023	A/G
	93	rs17036333	12367181	0.035	A/G
	94	rs7649970	12367272	0.023	C/T
	95	rs4135301	12367518	0	A/C
	96	rs4135302	12367649	0	A/G
	97	rs4135245	12367792	0	C/G
	98	rs1801282	12368125	0.023	C/G
	99	rs4135303	12368317	0	C/T
	100	rs4135304	12369601	0	A/G
	101	rs1899951	12369840	0.024	C/T
	102	rs4135246	12370005	0	A/T
	103	rs4135305	12370233	0	A/G
	104	rs4684848	12370645	0.023	A/G
	105	rs7615916	12370958	0.233	A/G
	106	rs4135306	12371444	0	G/T
	107	rs4135247	12371588	0.369	A/G
	108	rs2881654	12371955	0.023	A/G
	109	rs17817276	12372392	0.14	A/G
	110	rs6788489	12372838	0	A/T
	111	rs6778740	12373636	0	C/T
	112	rs7627605	12374270	0	C/T
	113	rs12629751	12374407	0.209	C/T
	114	rs9851767	12374542	0	A/G
	115	rs9829551	12375963	0	A/G
	116	rs1064323	12377007	0	A/G
	117	rs1373641	12377474	0.128	C/T
	118	rs4135307	12377540	0	A/G
	119	rs4135308	12377582	0	C/T
	120	rs1373640	12377601	0.131	A/G
	121	rs9883281	12378731	0	A/G
	122	rs9812662	12379323	0	G/T
	123	rs4135253	12379999	0.14	-/T
	124	rs11718489	12383049	0	A/C
	125	rs4135311	12383089	0	A/T
	126	rs2938397	12383278	0.384	A/G
	127	rs4135313	12383519	0	A/G
	128	rs4135315	12383758	0	A/G
	129	rs4135316	12383821	0	C/T
	130	rs4135255	12383905	0	A/G
	131	rs4135317	12383950	0	G/T
	132	rs4135256	12384528	0	A/G
	133	rs17817469	12385349	0	C/T
	134	rs6801982	12385702	0	A/C
	135	rs9858822	12386238	0	A/C
	136	rs9842021	12386727	0	G/T
	137	rs2921188	12387115	0.14	A/G
	138	rs6442311	12387955	0	A/G
	139	rs964232	12388237	0	C/T

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	140	rs2120825	12388339	0.023	G/T
	141	rs7650213	12388536	0	G/T
	142	rs7641290	12389325	0	C/T
	143	rs6809832	12389420	0	C/T
	144	rs13091131	12389478	0	A/C
	145	rs13091468	12389627	0	A/C
	146	rs4135320	12391182	0	A/G
	147	rs4135321	12391219	0	A/G
	148	rs4135259	12393604	0	C/T
	149	rs2028759	12393612	0.369	C/T
	150	rs4135322	12393759	0	C/T
	151	rs4135323	12394091	0	A/C
	152	rs2921190	12394475	0.349	C/T
	153	rs13306745	12396056	0.081	G/T
	154	rs11914306	12396492	0	A/C
	155	rs4135260	12397488	0	C/T
	156	rs4135261	12398038	0	C/T
	157	rs4135324	12398113	0	C/G
	158	rs4135263	12398266	0	C/T
	159	rs13316883	12399502	0	A/T
	160	rs2972162	12399793	0.349	C/T
	161	rs4135325	12400285	0	A/G
	162	rs10510419	12401936	0	G/T
	163	rs2959269	12404165	0	C/T
	164	rs2938395	12404468	0.36	A/G
	165	rs4135326	12404745	0	A/G
	166	rs4135264	12404810	0	A/G
	167	rs4135327	12404983	0	A/G
	168	rs2959268	12405075	0.349	C/T
	169	rs4135329	12405216	0	A/G
	170	rs4135266	12406550	0	A/T
	171	rs2938394	12406568	0.36	A/G
	172	rs2938393	12407068	0	A/C
	173	rs10510420	12408298	0	A/C
	174	rs4135333	12409091	0	A/C
	175	rs4135334	12409272	0	A/T
	176	rs2938392	12409608	0.36	A/G
	177	rs2938391	12409725	0	C/T
	178	rs4135335	12409733	0.012	C/T
	179	rs2938390	12409741	0	C/G
	180	rs2292101	12409901	0.244	C/T
	181	rs4371498	12411157	0	G/T
	182	rs4135268	12412237	0.056	C/G
	183	rs4135336	12412396	0	A/G
	184	rs4135337	12412533	0	C/G
	185	rs2921192	12413448	0	G/T
	186	rs4135340	12414314	0	A/G
	187	rs2938387	12414387	0.395	C/T
	188	rs9876829	12414687	0	A/T

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	189	rs4135341	12416553	0	G/T
	190	rs4135342	12417578	0	G/T
	191	rs2959273	12417731	0.36	A/G
	192	rs2959272	12417833	0.36	G/T
	193	rs1875796	12418657	0.36	C/T
	194	rs4135275	12418844	0.477	A/G
	195	rs12489347	12418877	0.233	C/G
	196	rs9836965	12419275	0	C/G
	197	rs1151996	12420807	0.36	A/C
	198	rs4135276	12420830	0	C/T
	199	rs4135277	12420846	0	C/G
	200	rs1151997	12421004	0.36	A/G
	201	rs4135278	12421468	0	A/G
	202	rs11713869	12421481	0	G/T
	203	rs1151999	12422153	0.36	G/T
	204	rs1797895	12422814	0	C/G
	205	rs1152000	12422895	0	C/T
	206	rs1185785	12422950	0	C/T
	207	rs4135343	12422964	0.012	A/G
	208	rs4135344	12423142	0	A/G
	209	rs4135345	12423299	0	A/G
	210	rs4135280	12423994	0.244	C/T
	211	rs3127609	12424013	0	A/G
	212	rs4135347	12424026	0	C/T
	213	rs4135281	12424453	0	C/T
	214	rs796313	12424528	0.349	G/T
	215	rs4135282	12424559	0	C/T
	216	rs1373642	12424651	0	A/C
	217	rs796290	12424683	0.372	C/G
	218	rs4135283	12424793	0.244	A/C
	219	rs4135284	12424866	0	A/G
	220	rs1822825	12424963	0.36	A/G
	221	rs709149	12425354	0.36	A/G
	222	rs709150	12426337	0.36	C/G
	223	rs11128604	12426593	0	A/G
	224	rs9871668	12427388	0	A/T
	225	rs1987536	12429505	0	G/T
	226	rs709151	12429999	0.36	C/T
	227	rs4135348	12431456	0	G/T
	228	rs709154	12431834	0.375	A/T
	229	rs4135285	12432119	0	A/G
	230	rs4135350	12432324	0	A/G
	231	rs4135351	12432461	0	A/G
	232	rs4135352	12433208	0	C/T
	233	rs13306747	12433274	0.035	C/G
	234	rs13306746	12433334	0	C/T
	235	rs796289	12436368	0	C/T
	236	rs4135288	12436548	0	A/G
	237	rs709156	12436615	0.128	A/G

Table S1. Cont.

Gene	No.	Name	Position	MAF	Alleles
	238	rs4135354	12436640	0.012	C/T
	239	rs1699373	12436932	0	G/T
	240	rs709157	12437024	0.047	A/G
	241	rs7623946	12438717	0	A/G
	242	rs7645903	12438826	0	A/T
	243	rs7635807	12438970	0	C/T
	244	rs1175540	12440243	0.372	A/C
	245	rs4135292	12440956	0	A/G
	246	rs1175542	12441214	0.372	A/G
	247	rs1175543	12441433	0.384	A/G
	248	rs1177809	12441490	0.349	A/G
	249	rs4135293	12441596	0	C/T
	250	rs4135295	12441783	0	A/G
	251	rs4135296	12441939	0	C/T
	252	rs1175544	12442044	0.349	C/T
	253	rs2655259	12442543	0	C/T
	254	rs4135356	12442613	0	A/G
	255	rs7636598	12442827	0	A/G
	256	rs7636854	12443118	0	A/G
	257	rs7639159	12443273	0	A/G
	258	rs7616804	12443286	0	A/G
	259	rs7639005	12443299	0	C/G
	260	rs13099634	12443463	0	C/T
	261	rs13099828	12443589	0	C/G
	262	rs17036700	12443627	0	G/T
	263	rs3105364	12443690	0	A/G
	264	rs6442312	12444449	0.011	A/G
	265	rs6442313	12444667	0	A/G
	266	rs3773360	12444718	0	A/G
	267	rs4135359	12445043	0	A/G
	268	rs1797912	12445239	0.384	A/C
	269	rs4135360	12445314	0	A/G
	270	rs4135361	12445663	0	A/G
	271	rs6782475	12446330	0	G/T
	272	rs6794024	12446362	0	A/G
	273	rs4135362	12447095	0	A/G
	274	rs7626560	12450088	0	C/T
	275	rs7650895	12450162	0	A/C
	276	rs3856806	12450557	0.244	C/T
	277	rs1152003	12452055	0.477	C/G
	278	rs6790976	12452742	0	A/G
	279	rs9827787	12452816	0.013	A/G
	280	rs10222537	12453380	0	C/T
	281	rs9833097	12453817	0	A/G

**Table S2.** The total common SNPs with a MAF  $\geq$  5% identified from the 137 healthy Chinese Han Beijing (CHB) individuals of the HapMap project.

Gene	No.	rs Number	Position	MAF	Alleles	Location on the Gene	Region
PPAR $\alpha$	1	rs4253623	44928770	0.174	A/G	44928770	intron
	2	rs135552	44931479	0.067	C/T	44931479	intron
	3	rs135551	44931685	0.081	A/G	44931685	intron
	4	rs135550	44931898	0.078	C/T	44931898	intron
	5	rs135549	44931972	0.25	C/T	44931972	intron
	6	rs135548	44932167	0.067	A/G	44932167	intron
	7	rs135547	44932314	0.078	C/G	44932314	intron
	8	rs135543	44933985	0.07	C/T	44933985	intron
	9	rs135542	44934701	0.067	C/T	44934701	intron
	10	rs129600	44935825	0.337	A/G	44935825	intron
	11	rs5769178	44939938	0.221	A/C	44939938	intron
	12	rs9627046	44940230	0.209	A/G	44940230	intron
	13	rs135538	44943292	0.43	C/G	44943292	intron
	14	rs881740	44946052	0.209	A/G	44946052	intron
	15	rs9626736	44948896	0.151	A/G	44948896	intron
	16	rs4253681	44958264	0.222	C/T	44958264	intron
	17	rs12330015	44968942	0.209	A/G	44968942	intron
	18	rs4253711	44973697	0.156	A/G	44973697	intron
	19	rs4253712	44973699	0.156	A/G	44973699	intron
	20	rs4823613	44976971	0.221	A/G	44976971	intron
	21	rs5766741	44983854	0.222	C/T	44983854	intron
	22	rs5766743	44986042	0.163	A/G	44986042	intron
	23	rs5767700	44991336	0.222	C/T	44991336	intron
	24	rs4253747	44991901	0.198	A/T	44991901	intron
	25	rs6007662	44999709	0.14	A/G	44999709	intron
	26	rs5767743	45000658	0.256	C/T	45000658	intron
PPAR $\beta$	27	rs9658056	35417538	0.067	C/T	35417538	5'flanking
	28	rs2267664	35420232	0.233	A/G	35420232	intron
	29	rs9658068	35421954	0.093	A/G	35421954	intron
	30	rs6901410	35438008	0.058	C/T	35438008	intron
	31	rs6902123	35438399	0.056	C/T	35438399	intron
	32	rs9470001	35441719	0.057	C/G	35441719	intron
	33	rs9658084	35445334	0.058	C/T	35445334	intron
	34	rs9296148	35445445	0.058	A/G	35445445	intron
	35	rs7739752	35447013	0.058	C/T	35447013	intron
	36	rs12173582	35448278	0.244	C/T	35448278	intron
	37	rs6919334	35449853	0.058	A/G	35449853	intron
	38	rs9470007	35457717	0.058	C/T	35457717	intron
	39	rs6922548	35461501	0.058	A/G	35461501	intron
	40	rs3777744	35464121	0.291	A/G	35464121	intron
	41	rs9658100	35464618	0.058	G/T	35464618	intron
	42	rs3798343	35465671	0.233	C/G	35465671	intron
	43	rs6457816	35470826	0.058	C/T	35470826	intron
	44	rs9380506	35474868	0.193	A/C	35474868	intron
	45	rs1040436	35475887	0.256	A/G	35475887	intron
	46	rs9470015	35477062	0.189	A/G	35477062	intron
	47	rs2267665	35477469	0.198	A/G	35477469	intron

Table S2. Cont.

Gene	No.	rs Number	Position	MAF	Alleles	Location on the Gene	Region
	48	rs1883322	35477784	0.256	C/T	35477784	intron
	49	rs2267666	35478706	0.256	A/T	35478706	intron
	50	rs7751481	35479731	0.256	A/G	35479731	intron
	51	rs2267667	35480502	0.256	C/G	35480502	intron
	52	rs2038068	35482439	0.256	A/G	35482439	intron
	53	rs2038067	35482444	0.198	A/G	35482444	intron
	54	rs2267668	35485900	0.174	A/G	35485900	intron
	55	rs2267669	35486102	0.174	A/G	35486102	intron
	56	rs2016520	35486756	0.233	C/T	35486756	5'UTR
	57	rs2299869	35491410	0.186	C/T	35491410	intron
	58	rs9462082	35494019	0.174	A/G	35494019	intron
	59	rs2076169	35496457	0.174	A/G	35496457	intron
	60	rs2076167	35499765	0.233	C/T	35499765	synonymous codon
	61	rs2076166	35501382	0.186	A/G	35501382	intron
	62	rs3734254	35502988	0.202	C/T	35502988	3'UTR
	63	rs9658177	35503426	0.105	A/G	35503426	3'UTR
	64	rs1053049	35503596	0.221	C/T	35503596	3'UTR
	65	rs760783	35503982	0.186	G/T	35503982	3'flanking
	66	rs7749160	35505105	0.186	C/T	35505105	3'flanking
PPAR $\gamma$	67	rs2920502	12304195	0.244	C/G	12304195	5'flanking
	68	rs2972164	12309416	0.116	C/T	12309416	intron
	69	rs6809631	12310647	0.408	A/T	12310647	intron
	70	rs6785890	12310816	0.43	A/C	12310816	intron
	71	rs6768587	12313115	0.43	A/G	12313115	intron
	72	rs4684846	12313849	0.43	A/G	12313849	intron
	73	rs9817428	12315267	0.43	A/C	12315267	intron
	74	rs17036188	12315925	0.337	C/T	12315925	intron
	75	rs12631028	12316406	0.462	C/T	12316406	intron
	76	rs12636461	12316830	0.43	A/G	12316830	intron
	77	rs13076055	12316996	0.43	A/G	12316996	intron
	78	rs12631819	12317861	0.337	G/T	12317861	intron
	79	rs11128596	12318117	0.43	A/C	12318117	intron
	80	rs11710969	12318591	0.43	A/G	12318591	intron
	81	rs7620165	12319441	0.058	A/G	12319441	intron
	82	rs11128597	12319636	0.43	A/G	12319636	intron
	83	rs10510410	12321738	0.233	A/C	12321738	intron
	84	rs10510411	12321849	0.233	A/G	12321849	intron
	85	rs10510412	12321962	0.222	A/G	12321962	intron
	86	rs17036242	12324490	0.233	A/G	12324490	intron
	87	rs13061415	12324924	0.233	C/T	12324924	intron
	88	rs12639162	12325781	0.233	A/G	12325781	intron
	89	rs12485478	12326223	0.198	A/G	12326223	intron
	90	rs12629240	12326574	0.233	A/G	12326574	intron
	91	rs9310401	12327468	0.233	C/T	12327468	intron
	92	rs11715073	12327971	0.233	C/G	12327971	intron
	93	rs10865710	12328198	0.233	C/G	12328198	extron A2
	94	rs11128598	12328326	0.233	C/T	12328326	intron
	95	rs13095716	12328612	0.222	A/T	12328612	intron

Table S2. Cont.

Gene	No.	rs Number	Position	MAF	Alleles	Location on the Gene	Region
	96	rs13073869	12328993	0.233	A/G	12328993	intron
	97	rs12496505	12331158	0.222	A/G	12331158	intron
	98	rs12487012	12331196	0.233	C/T	12331196	intron
	99	rs13070963	12331605	0.233	C/T	12331605	intron
	100	rs13433696	12333492	0.233	A/G	12333492	intron
	101	rs12636454	12335214	0.233	C/T	12335214	intron
	102	rs12633551	12335494	0.209	C/T	12335494	intron
	103	rs11128599	12335769	0.233	A/G	12335769	intron
	104	rs12495364	12336929	0.233	C/T	12336929	intron
	105	rs12493718	12338637	0.233	G/T	12338637	intron
	106	rs880663	12345083	0.222	A/G	12345083	intron
	107	rs17793951	12345737	0.058	A/G	12345737	intron
	108	rs12496005	12346082	0.167	C/G	12346082	intron
	109	rs4145574	12347074	0.233	A/G	12347074	intron
	110	rs4145573	12347386	0.233	A/G	12347386	intron
	111	rs2028760	12347882	0.233	A/G	12347882	intron
	112	rs1122648	12350391	0.233	C/T	12350391	intron
	113	rs17036314	12351745	0.222	C/G	12351745	intron
	114	rs10510417	12352294	0.222	C/G	12352294	intron
	115	rs11128601	12356165	0.233	C/T	12356165	intron
	116	rs12490265	12359542	0.133	A/G	12359542	intron
	117	rs10510418	12363563	0.116	A/C	12363563	intron
	118	rs12497191	12365135	0.209	A/G	12365135	intron
	119	rs7615916	12370958	0.233	A/G	12370958	intron
	120	rs4135247	12371588	0.369	A/G	12371588	intron
	121	rs17817276	12372392	0.14	A/G	12372392	intron
	122	rs12629751	12374407	0.209	C/T	12374407	intron
	123	rs1373641	12377474	0.128	C/T	12377474	intron
	124	rs1373640	12377601	0.131	A/G	12377601	intron
	125	rs4135253	12379999	0.14	-/T	12379999	intron
	126	rs2938397	12383278	0.384	A/G	12383278	intron
	127	rs2921188	12387115	0.14	A/G	12387115	intron
	128	rs2028759	12393612	0.369	C/T	12393612	intron
	129	rs2921190	12394475	0.349	C/T	12394475	intron
	130	rs13306745	12396056	0.081	G/T	12396056	intron
	131	rs2972162	12399793	0.349	C/T	12399793	intron
	132	rs2938395	12404468	0.36	A/G	12404468	intron
	133	rs2959268	12405075	0.349	C/T	12405075	intron
	134	rs2938394	12406568	0.36	A/G	12406568	intron
	135	rs2938392	12409608	0.36	A/G	12409608	intron
	136	rs2292101	12409901	0.244	C/T	12409901	intron
	137	rs4135268	12412237	0.056	C/G	12412237	intron
	138	rs2938387	12414387	0.395	C/T	12414387	intron
	139	rs2959273	12417731	0.36	A/G	12417731	intron
	140	rs2959272	12417833	0.36	G/T	12417833	intron
	141	rs1875796	12418657	0.36	C/T	12418657	intron
	142	rs4135275	12418844	0.477	A/G	12418844	intron
	143	rs12489347	12418877	0.233	C/G	12418877	intron



Table S2. Cont.

Gene	No.	rs Number	Position	MAF	Alleles	Location on the Gene	Region
	144	rs1151996	12420807	0.36	A/C	12420807	intron
	145	rs1151997	12421004	0.36	A/G	12421004	intron
	146	rs1151999	12422153	0.36	G/T	12422153	intron
	147	rs4135280	12423994	0.244	C/T	12423994	intron
	148	rs796313	12424528	0.349	G/T	12424528	intron
	149	rs796290	12424683	0.372	C/G	12424683	intron
	150	rs4135283	12424793	0.244	A/C	12424793	intron
	151	rs1822825	12424963	0.36	A/G	12424963	intron
	152	rs709149	12425354	0.36	A/G	12425354	intron
	153	rs709150	12426337	0.36	C/G	12426337	intron
	154	rs709151	12429999	0.36	C/T	12429999	intron
	155	rs709154	12431834	0.375	A/T	12431834	intron
	156	rs709156	12436615	0.128	A/G	12436615	intron
	157	rs1175540	12440243	0.372	A/C	12440243	intron
	158	rs1175542	12441214	0.372	A/G	12441214	intron
	159	rs1175543	12441433	0.384	A/G	12441433	intron
	160	rs1177809	12441490	0.349	A/G	12441490	intron
	161	rs1175544	12442044	0.349	C/T	12442044	intron
	162	rs1797912	12445239	0.384	A/C	12445239	intron
	163	rs3856806	12450557	0.244	C/T	12450557	synonymous codon
	164	rs1152003	12452055	0.477	C/G	12452055	3'flanking

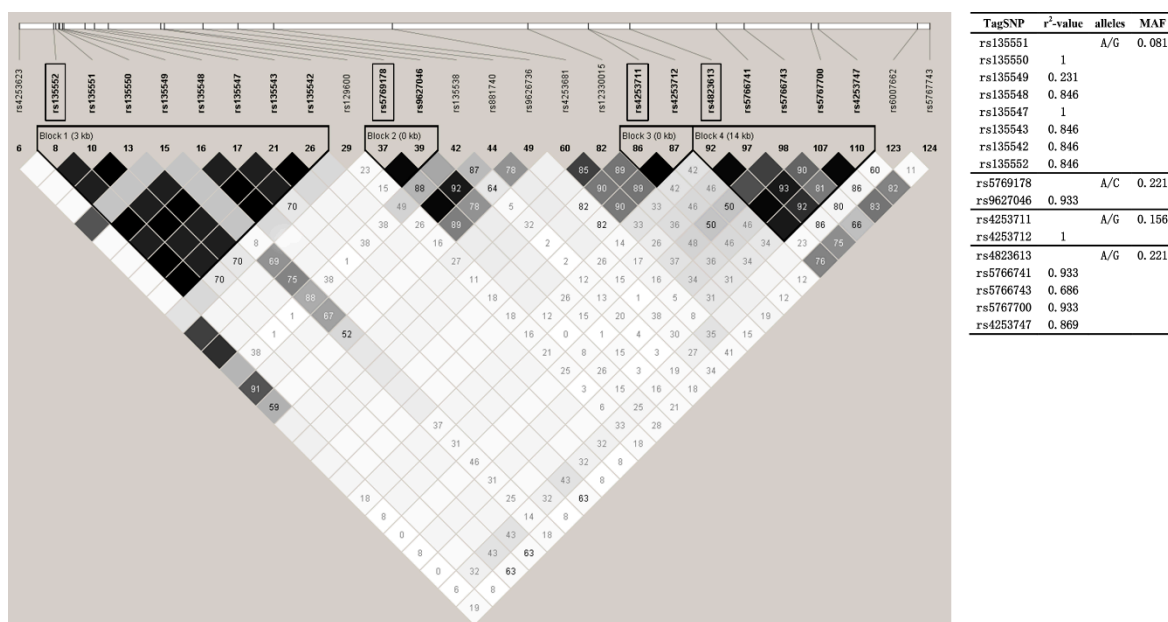


Figure S1. Linkage disequilibrium (LD) plot of the SNPs with a MAF ≥ 5% within the PPARα gene and 3 kb up- and down-stream regions are displayed using an r<sup>2</sup> black and white color scheme. Black represents very high LD (r<sup>2</sup> = 1), and white indicates the absence of correlation (r<sup>2</sup> = 0) between SNPs. The selected SNPs and SNPs that are indirectly measured by them are listed with corresponding r<sup>2</sup> values. The alleles of selected SNPs are given with their frequencies, according to the HapMap data for Chinese individuals from Beijing.

