

SUPPLEMENTARY MATERIAL

Supplementary Table 1. Association results for hip OF for all the SNPs tested in this study.

Locus	Nearest gene	SNP	Position	Allele ^a	MAF cases	MAF controls	P value	OR (95%CI)		
1p36	<i>ZBTB40</i>	rs7524102	22571034	G/A	0.191	0.213	0.316	0.87 (0.67-1.14)		
		rs6696981	22575445	T/G	0.190	0.209	0.383	0.89 (0.68-1.16)		
		rs6426749	22584060	C/G	0.186	0.206	0.352	1.14 (0.87-1.49)		
		rs7543680	22603856	A/G	0.236	0.243	0.754	1.04 (0.81-1.33)		
1p31	<i>GPR177</i>	rs2566755	68407978	C/T	0.213	0.225	0.569	1.07 (0.83-1.38)		
2p21	<i>SPTBN1</i>	rs11898505	54538061	A/G	0.059	0.054	0.776	0.93 (0.55-1.57)		
3p22	<i>CTNNB1</i>	rs10490823	41098739	T/C	0.262	0.294	0.197	0.85 (0.67-1.08)		
		rs87938	41112676	G/A	0.375	0.386	0.707	0.96 (0.77-1.19)		
4q22	<i>MEPE</i>	rs1471403	88994267	T/C	0.337	0.338	0.969	0.99 (0.79-1.24)		
5q14	<i>MEF2C</i>	rs1366594	88411817	A/C	0.375	0.383	0.795	1.04 (0.79-1.35)		
6p21	<i>MHC</i>	rs3130340	32352605	C/T	0.158	0.218	0.004	1.48 (1.13-1.95)		
6q25	<i>ESR1</i>	rs9479055	151889660	A/C	0.236	0.220	0.482	0.91 (0.71-1.18)		
		rs9478223	151941931	C/T	0.050	0.051	0.885	1.04 (0.63-1.71)		
		rs4870044	151943102	C/T	0.195	0.184	0.625	0.93 (0.70-1.23)		
		rs1038304	151974868	G/A	0.467	0.506	0.149	0.86 (0.69-1.06)		
		rs6929137	151978370	A/G	0.307	0.343	0.173	1.18 (0.93-1.49)		
		rs7751941	151988351	A/G	0.022	0.029	0.409	1.32 (0.67-2.61)		
		rs6900157	151995820	C/T	0.343	0.378	0.170	1.17 (0.94-1.45)		
		rs2941740	152051331	G/A	0.178	0.148	0.152	1.23 (0.93-1.64)		
		rs1999805	152110057	A/G	0.306	0.310	0.898	1.02 (0.81-1.28)		
		rs2504063	152132400	G/A	0.226	0.204	0.388	1.13 (0.86-1.49)		
		7p14	<i>STARD3NL</i>	rs1524058	38102802	T/C	0.468	0.439	0.284	1.12 (0.91-1.39)
		7q21	<i>FLJ42280</i>	rs4729260	95955854	G/C	0.155	0.085	1.17E-4	1.98 (1.39-2.80)
				rs7781370	95971467	T/C	0.154	0.102	0.008	1.59 (1.13-2.24)
8q24	<i>TNFRSF11B</i>	rs4355801	119993054	G/A	0.278	0.295	0.483	0.92 (0.73-1.17)		
		rs2062377	120076601	T/A	0.273	0.295	0.348	0.89 (0.71-1.13)		
		rs6469792	120077552	T/C	0.411	0.430	0.470	0.92 (0.75-1.15)		
		rs6469804	120114010	G/A	0.206	0.231	0.243	0.86 (0.67-1.11)		
		rs6993813	120121419	T/C	0.346	0.369	0.367	0.91 (0.73-1.13)		
11p15	<i>SOX6</i>	rs7117858	15651038	G/A	0.197	0.181	0.437	1.11 (0.89-1.39)		
11p13	<i>DCDC5</i>	rs16921914	31167347	A/G	0.367	0.392	0.358	1.11 (0.89-1.40)		
11p11	<i>ARHGAP1</i>	rs7932354	46678797	C/T	0.322	0.333	0.665	1.05 (0.84-1.32)		
11q13	<i>LRP5</i>	rs599083	67948922	G/T	0.259	0.244	0.532	0.93 (0.72-1.19)		
		rs3736228	67957871	T/C	0.194	0.170	0.211	1.17 (0.89-1.55)		
12q13	<i>SP7</i>	rs2016266	52014222	G/A	0.193	0.193	0.991	1.00 (0.76-1.33)		
13q14	<i>TNFRSF11</i>	rs7992970	41843463	G/A	0.323	0.334	0.648	0.95 (0.76-1.19)		
		rs9533090	41849449	T/C	0.065	0.101	0.012	0.62 (0.42-0.91)		
		rs9594738	41850145	T/C	0.068	0.102	0.020	0.64 (0.44-0.94)		
		rs9533093	41859597	T/C	0.406	0.421	0.575	0.94 (0.76-1.17)		
		rs10507508	41867782	G/A	0.115	0.138	0.195	0.81 (0.59-1.12)		
		rs9594751	41895267	T/C	0.039	0.062	0.044	0.61 (0.37-1.00)		
		rs9594759	41930593	T/C	0.183	0.233	0.018	0.74 (0.57-0.96)		
		14q32	<i>MARK3</i>	rs2010281	102932075	A/G	0.140	0.137	0.877	0.98 (0.72-1.32)
		16q24	<i>FOXLI</i>	rs10048146	85268161	G/A	0.221	0.247	0.407	0.86 (0.61-1.22)
		17q21	<i>SOST</i>	rs1107748	39129340	C/T	0.321	0.304	0.515	0.92 (0.73-1.17)
rs7220711	39145491			G/A	0.320	0.313	0.775	1.03 (0.82-1.29)		
rs1513670	39162857			C/T	0.420	0.398	0.407	0.91 (0.74-1.13)		
17q21	<i>HDAC5</i>	rs228769	39548711	C/G	0.398	0.391	0.829	0.97 (0.70-1.34)		
18q21	<i>TNFRSF11A</i>	rs884205	58205837	A/C	0.036	0.084	0.015	2.47 (1.16-5.25)		
		rs3018362	58233073	G/A	0.209	0.199	0.715	1.06 (0.77-1.47)		

MAF = minor allele frequency; OR = odds ratio; CI = confidence interval. ^aThe former allele represents the minor allele.