



Medina-Gomez, C., Kemp, J., Dimou, N. L., Kreiner-Moller, E., Chesi, A., Zemel, B. S., Bønnelykke, K., Boer, C. G., Ahluwalia, T. S., Bisgaard, H., Evangelou, E., Heppe, D. H. M., Bonewald, L.F., Gorski, J. P., Ghanbari, M., Demissie, S., Duque, G., Maurano, M. T., Kiel, D. P., ... Rivadeneira, F. (2017). Bivariate genome-wide association analysis implicates pleiotropic effects at the SREBF1/TOM1L2 locus on bone mineral density and lean mass in children. *Nature Communications*, 8, [121]. <https://doi.org/10.1038/s41467-017-00108-3>

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**Supplementary Data 3.** Association of markers in the 17p11.2 loci with previous GWAS in musculoskeletal traits. All effect :

SNP	CHR	Position	A1	A2	EA	Effect_LM	P-value_LM	Effect_FNBMD
rs3765350	1	22319903	G	A	0.25	0.0288	5.29E-01	-0.0323
rs2235529	1	22323074	T	C	0.19	0.0852	5.64E-02	-0.0412
rs3820282	1	22340802	T	C	0.19	0.0698	1.34E-01	-0.0425
rs12741884	1	22467282	A	G	0.25	0.0212	6.31E-01	-0.0226
rs7524102	1	22571034	G	A	0.17	-0.0484	2.27E-01	0.1053
rs12568930	1	22574818	C	T	0.17	-0.0474	2.38E-01	0.1053
rs10493013	1	22575622	C	T	0.17	-0.0468	2.44E-01	0.1054
rs6684375	1	22579021	T	C	0.17	-0.0472	2.42E-01	0.1057
rs6426749	1	22584060	C	G	0.17	-0.0455	2.67E-01	0.1077
rs6426749	1	22584060	C	G	0.17	-0.0455	2.67E-01	0.1077
rs12185748	2	1.66E+08	T	C	0.49	0.0004	9.90E-01	-0.0497
rs7586085	2	1.66E+08	G	A	0.49	0.0003	9.92E-01	-0.0499
rs6726821	2	1.66E+08	G	T	0.49	0.0008	9.78E-01	-0.0509
rs6710388	2	1.66E+08	T	C	0.49	0.0004	8.97E-01	-0.0509
rs6710518	2	1.66E+08	T	C	0.49	0.0003	9.94E-01	-0.0516
rs7672749	4	89017308	A	G	0.10	-0.0922	8.46E-02	0.0541
rs11733405	4	89017674	G	T	0.10	-0.087	1.04E-01	0.0543
rs2110281	7	1.21E+08	A	G	0.35	0.0053	8.68E-01	-0.0227
rs2968345	7	1.21E+08	G	A	0.35	0.0046	8.85E-01	-0.0227
rs6466767	7	1.21E+08	G	C	0.35	-0.0029	9.27E-01	-0.0229
rs1917113	7	1.21E+08	A	G	0.35	0.0068	8.31E-01	-0.0228
rs12673968	7	1.21E+08	A	G	0.35	0.0091	7.75E-01	-0.0228
rs6466769	7	1.21E+08	G	A	0.35	0.0054	8.67E-01	-0.0224
rs6954757	7	1.21E+08	A	G	0.35	0.0043	8.92E-01	-0.0225
rs13223036	7	1.21E+08	G	T	0.35	0.0041	9.02E-01	-0.0254
rs798943	7	1.21E+08	A	G	0.38	-0.0048	8.79E-01	-0.0283
rs7801723	7	1.21E+08	T	C	0.38	-0.0043	8.90E-01	-0.0285
rs12706318	7	1.21E+08	G	A	0.38	-0.0043	8.91E-01	-0.0285
rs13232048	7	1.21E+08	T	G	0.38	-0.0031	9.24E-01	-0.0285
rs6947453	7	1.21E+08	T	G	0.39	0.0022	9.49E-01	-0.0251
rs6952113	7	1.21E+08	A	G	0.38	-0.0012	9.70E-01	-0.0285
rs872007	7	1.21E+08	T	C	0.38	-0.0033	9.16E-01	-0.0285
rs10275439	7	1.21E+08	A	G	0.37	-0.0061	8.58E-01	-0.0248
rs10261673	7	1.21E+08	T	C	0.37	-0.0183	5.99E-01	-0.0254
rs13245690	7	1.21E+08	G	A	0.39	-0.0173	6.04E-01	-0.0294
rs6950680	7	1.21E+08	G	A	0.38	0.0007	9.81E-01	-0.0281
rs7798060	7	1.21E+08	T	C	0.40	-0.0149	6.34E-01	-0.0231
rs1554634	7	1.21E+08	C	T	0.40	-0.0156	6.19E-01	-0.0233
rs10085590	7	1.21E+08	G	A	0.40	-0.0106	7.34E-01	-0.0227
rs7797976	7	1.21E+08	T	C	0.40	-0.0164	6.01E-01	-0.0223
rs6947494	7	1.21E+08	T	C	0.40	-0.0165	5.99E-01	-0.0223
rs1917118	7	1.21E+08	T	C	0.40	-0.0169	5.89E-01	-0.0223
rs6954210	7	1.21E+08	A	G	0.40	-0.0165	6.13E-01	-0.0223
rs6970762	7	1.21E+08	T	A	0.40	-0.0194	5.34E-01	-0.0221

rs1357756	7	1.21E+08	T	C	0.40	-0.025	4.27E-01	-0.0225
rs1534015	7	1.21E+08	A	G	0.40	-0.0198	5.27E-01	-0.0219
rs7786203	7	1.21E+08	A	G	0.40	-0.0207	5.23E-01	-0.0224
rs1404268	7	1.21E+08	A	G	0.40	-0.0221	4.83E-01	-0.023
rs1524503	7	1.21E+08	C	A	0.40	-0.032	3.29E-01	-0.022
rs3779381	7	1.21E+08	G	A	0.24	0.0122	7.60E-01	0.0746
rs2908004	7	1.21E+08	A	G	0.42	-0.008	8.16E-01	0.0601
rs2536189	7	1.21E+08	G	C	0.42	-0.0074	8.28E-01	0.0601
rs3801387	7	1.21E+08	G	A	0.26	0.0162	6.58E-01	0.0709
rs2707466	7	1.21E+08	T	C	0.41	-0.0133	7.45E-01	0.0596
rs2536182	7	1.21E+08	G	C	0.43	-0.0105	7.37E-01	0.0506
rs2536180	7	1.21E+08	C	T	0.45	-0.0147	6.33E-01	0.0515
rs3801382	7	1.21E+08	G	T	0.26	0.0054	8.78E-01	0.0703
rs2254595	7	1.21E+08	C	T	0.45	-0.0118	7.02E-01	0.0515
rs917727	7	1.21E+08	T	C	0.26	0.0044	9.01E-01	0.0711
rs917726	7	1.21E+08	T	A	0.26	0.0042	9.05E-01	0.0711
rs718766	7	1.21E+08	C	T	0.26	0.006	8.64E-01	0.071
rs4727924	7	1.21E+08	T	C	0.44	-0.0123	6.94E-01	0.0518
rs7776725	7	1.21E+08	C	T	0.26	0.0032	9.28E-01	0.0706
rs11228258	11	68010904	A	C	0.28	-0.1249	3.32E-04	-0.0376
rs7116994	11	68011203	T	C	0.28	-0.1264	2.75E-04	-0.0375
rs12294029	11	68013635	C	A	0.28	-0.1271	2.55E-04	-0.0374
rs7126340	11	68013869	T	C	0.28	-0.1277	2.64E-04	-0.0385
rs12272917	11	68019946	C	T	0.26	-0.1148	1.38E-03	-0.0367
rs11228262	11	68031483	T	G	0.26	-0.1162	1.03E-03	-0.035
rs10896334	11	68038070	T	C	0.28	-0.1275	2.42E-04	-0.0371
rs10896337	11	68040812	C	T	0.28	-0.1272	2.51E-04	-0.037
rs11228269	11	68046372	G	A	0.28	-0.1277	2.36E-04	-0.0371
rs7925275	11	68047009	C	T	0.26	-0.1172	9.29E-04	-0.0346
rs6591340	11	68054212	G	A	0.26	-0.117	9.30E-04	-0.0339
rs7106259	11	68055088	G	T	0.27	-0.1273	2.42E-04	-0.0365
rs10896339	11	68059422	C	G	0.28	-0.129	2.06E-04	-0.036
rs12281742	11	68060205	C	T	0.27	-0.1335	1.28E-04	-0.0361
rs4316515	11	68065416	T	A	0.26	-0.1238	5.11E-04	-0.0339
rs7944870	11	68065684	G	C	0.27	-0.1315	1.63E-04	-0.0363
rs948315	11	68065716	C	T	0.27	-0.1319	1.57E-04	-0.0363
rs948316	11	68066246	T	G	0.26	-0.1214	6.44E-04	-0.0341
rs10896341	11	68069756	A	G	0.27	-0.1336	1.34E-04	-0.0362
rs7104345	11	68073348	A	G	0.26	-0.1234	5.32E-04	-0.0342
rs12284932	11	68076065	A	G	0.25	-0.1314	9.24E-04	-0.0263
rs11228284	11	68079343	T	A	0.26	-0.1252	4.57E-04	-0.0342
rs12271290	11	68082812	T	C	0.27	-0.1374	9.00E-05	-0.0361
rs7102898	11	68085446	A	G	0.26	-0.1258	4.33E-04	-0.0341
rs2155730	11	68086050	C	T	0.27	-0.1384	8.04E-05	-0.0361
rs7109294	11	68088669	C	T	0.26	-0.1194	8.68E-04	-0.0344
rs2282563	11	68089776	T	C	0.26	-0.1249	4.97E-04	-0.0344
rs6591341	11	68092054	T	C	0.27	-0.1382	8.79E-05	-0.0365

rs3740631	11	68098298	G	T	0.26	-0.1241	5.55E-04	-0.0348
rs11228287	11	68106330	G	A	0.26	-0.1246	5.37E-04	-0.0351
rs10896347	11	68109703	A	G	0.26	-0.1237	6.05E-04	-0.0353
rs10896348	11	68113944	C	T	0.27	-0.1366	1.13E-04	-0.0368
rs7118897	11	68117256	A	G	0.26	-0.1228	6.69E-04	-0.0348
rs6591344	11	68117449	A	G	0.26	-0.1225	6.92E-04	-0.0348
rs7123564	11	68118740	T	C	0.27	-0.1008	1.76E-02	-0.0303
rs7127948	11	68119638	A	G	0.26	-0.1232	6.55E-04	-0.0349
rs3758643	11	68123769	T	C	0.26	-0.1236	6.39E-04	-0.0348
rs12283755	11	68128234	G	A	0.26	-0.1233	6.63E-04	-0.0348
rs7113287	11	68128762	T	A	0.27	-0.1382	1.01E-04	-0.0369
rs7104877	11	68134178	C	A	0.27	-0.1371	1.17E-04	-0.0369
rs2236708	11	68134621	A	G	0.26	-0.1231	6.92E-04	-0.0349
rs11228292	11	68136348	A	G	0.26	-0.1231	7.02E-04	-0.035
rs4988291	11	68138183	A	G	0.26	-0.1239	6.24E-04	-0.0348
rs11228293	11	68141222	C	T	0.26	-0.1236	6.79E-04	-0.0352
rs7102273	11	68142155	C	T	0.27	-0.1358	1.50E-04	-0.0379
rs749934	13	42006245	A	G	0.46	-0.0374	2.37E-01	0.0116
rs17458078	13	42009354	C	A	0.46	-0.0404	1.97E-01	0.0125
rs9533143	13	42009405	C	G	0.46	-0.0391	2.13E-01	0.0125
rs9525638	13	42026577	C	T	0.44	-0.045	1.50E-01	0.0176
rs1325798	13	42037049	T	C	0.44	-0.045	1.50E-01	0.0174
rs9533154	13	42038102	T	C	0.44	-0.0457	1.43E-01	0.0172
rs17536328	13	42041029	T	C	0.44	-0.0495	1.13E-01	0.0171
rs7325635	13	42043319	A	G	0.44	-0.0442	1.57E-01	0.0174
rs9525643	13	42057516	C	T	0.44	-0.0435	1.65E-01	0.0172
rs754388	14	92185163	G	C	0.17	0.1818	9.64E-05	0.0019
rs4925109	17	17602527	A	G	0.33	-0.0569	8.61E-02	-0.002
rs11654083	17	17648854	T	C	0.37	-0.056	1.04E-01	0.0032
rs4925114	17	17651995	A	G	0.37	-0.0557	1.06E-01	0.0033
rs4925115	17	17662182	A	G	0.38	-0.0567	9.92E-02	0.0047
rs11656665	17	17665514	G	A	0.37	-0.0561	1.03E-01	0.0046
rs9899634	17	17668668	T	A	0.37	-0.0499	1.22E-01	0.004
rs8066560	17	17668768	A	G	0.37	-0.0522	1.05E-01	0.0043
rs9902941	17	17674485	C	T	0.37	-0.0547	8.87E-02	0.0038
rs1889018	17	17675465	G	A	0.37	-0.0552	8.64E-02	0.0038
rs4925119	17	17683629	A	G	0.37	-0.0576	7.32E-02	0.0047
rs9891957	17	17685164	G	A	0.37	-0.0322	3.87E-01	0.0036
rs3183702	17	17688014	A	G	0.37	-0.0581	7.32E-02	0.0024
rs2236513	17	17688091	A	C	0.37	-0.0577	7.54E-02	0.0032
rs9915248	17	17688239	C	T	0.37	-0.032	3.98E-01	0.0038
rs3744115	17	17690547	G	A	0.37	-0.0561	8.43E-02	0.0035
rs1052299	17	17691144	A	G	0.37	-0.0556	8.73E-02	0.0033
rs1108648	17	17691283	G	A	0.37	-0.054	9.68E-02	0.0032
rs7501812	17	17691632	G	A	0.37	-0.0602	6.65E-02	0.0023
rs12951376	17	17693534	T	C	0.31	-0.0464	1.94E-01	0.0023
rs4925120	17	17695358	C	T	0.37	-0.0585	7.27E-02	0.0037

rs1696074	17	17695984	A	G	0.37	-0.0583	7.40E-02	0.0036
rs8079321	17	17701514	T	C	0.38	-0.0514	1.12E-01	0.0031
rs4924823	17	17705227	A	G	0.38	-0.0521	1.07E-01	0.0034
rs1294103	17	17706380	C	T	0.37	-0.0528	1.01E-01	0.003
rs1889014	17	17707890	T	C	0.59	0.0445	1.66E-01	-0.0061
rs9907246	17	17711690	T	C	0.37	-0.0524	1.04E-01	0.0031
rs9907287	17	17714843	C	T	0.38	-0.0238	5.27E-01	0.0035
rs8080061	17	17717114	C	T	0.38	-0.0524	1.04E-01	0.0037
rs4925125	17	17735169	T	C	0.39	-0.049	1.22E-01	0.0023
rs6502625	17	17789011	G	C	0.59	0.0492	1.22E-01	-0.0034
rs2955382	17	17888435	T	C	0.59	0.0307	4.05E-01	-0.0044

sizes are reported for the allele 1 (A1). TB-LM = Total body Lean Mass assessed in Zillikens et al. [27] FN-BMD= femora

P.value	FN BMD	Effect	LS BMD	P.value	LS BMD	bivariate.Pval	LS LM	bivariate.Pval	FN LM
1.12E-03		-0.0378		3.22E-04		1.10E-03		3.58E-03	
1.99E-04		-0.0477		5.15E-05		2.97E-05		1.16E-04	
1.24E-04		-0.049		3.76E-05		4.76E-05		1.59E-04	
2.56E-02		-0.0452		3.56E-05		1.44E-04		6.88E-02	
4.81E-23		0.104		2.38E-20		9.54E-20		2.26E-22	
4.81E-23		0.1049		1.12E-20		4.78E-20		2.38E-22	
4.38E-23		0.1052		8.74E-21		3.82E-20		2.23E-22	
3.30E-23		0.1053		8.03E-21		3.47E-20		1.67E-22	
1.35E-23		0.105		2.35E-20		1.05E-19		7.18E-23	
1.35E-23		0.105		2.35E-20		1.05E-19		7.18E-23	
9.35E-10		-0.0471		4.29E-08		2.93E-07		6.37E-09	
8.01E-10		-0.0473		3.76E-08		2.58E-07		5.48E-09	
3.66E-10		-0.0481		2.21E-08		1.53E-07		2.52E-09	
3.66E-10		-0.0484		1.81E-08		1.21E-07		2.43E-09	
2.10E-10		-0.0477		2.89E-08		1.99E-07		1.47E-09	
1.15E-04		0.0429		3.64E-03		2.55E-03		9.17E-05	
1.08E-04		0.0427		3.80E-03		3.19E-03		1.04E-04	
7.88E-03		-0.0339		2.04E-04		9.08E-04		2.71E-02	
7.88E-03		-0.0342		1.79E-04		8.08E-04		2.72E-02	
7.35E-03		-0.0348		1.38E-04		6.63E-04		2.65E-02	
7.61E-03		-0.0352		1.15E-04		5.17E-04		2.58E-02	
7.61E-03		-0.0353		1.10E-04		4.79E-04		2.52E-02	
8.74E-03		-0.035		1.26E-04		5.72E-04		2.97E-02	
9.28E-03		-0.0352		1.15E-04		5.32E-04		3.16E-02	
3.31E-03		-0.0373		5.36E-05		2.55E-04		1.23E-02	
7.96E-04		-0.0416		3.07E-06		1.79E-05		3.43E-03	
7.30E-04		-0.0418		2.76E-06		1.61E-05		3.16E-03	
7.30E-04		-0.0417		2.91E-06		1.70E-05		3.16E-03	
7.30E-04		-0.0417		2.91E-06		1.69E-05		3.16E-03	
7.49E-03		-0.0418		3.39E-05		1.83E-04		2.78E-02	
7.30E-04		-0.0418		2.76E-06		1.59E-05		3.14E-03	
7.30E-04		-0.0419		2.61E-06		1.52E-05		3.16E-03	
4.13E-03		-0.0375		3.99E-05		2.05E-04		1.56E-02	
4.14E-03		-0.042		8.75E-06		4.43E-05		1.58E-02	
5.78E-04		-0.0446		7.67E-07		4.50E-06		2.37E-03	
8.67E-04		-0.042		3.24E-06		1.80E-05		3.65E-03	
6.18E-03		-0.0401		5.32E-06		3.01E-05		2.15E-02	
5.75E-03		-0.0393		8.16E-06		4.51E-05		2.00E-02	
7.13E-03		-0.0395		7.34E-06		4.19E-05		2.54E-02	
8.22E-03		-0.0392		8.60E-06		4.71E-05		2.72E-02	
8.22E-03		-0.0392		8.60E-06		4.71E-05		2.72E-02	
8.22E-03		-0.039		9.56E-06		5.18E-05		2.71E-02	
8.22E-03		-0.0391		9.07E-06		4.98E-05		2.74E-02	
8.81E-03		-0.0389		1.01E-05		5.30E-05		2.78E-02	

7.66E-03	-0.0388	1.06E-05	5.12E-05	2.21E-02
9.44E-03	-0.0387	1.12E-05	5.83E-05	2.94E-02
7.93E-03	-0.0386	1.18E-05	6.11E-05	2.51E-02
6.41E-03	-0.0393	1.04E-05	5.23E-05	2.00E-02
9.12E-03	-0.0391	1.16E-05	4.88E-05	2.25E-02
1.51E-12	0.0819	3.35E-13	3.91E-12	1.09E-11
9.43E-11	0.0538	6.96E-08	4.53E-07	7.37E-10
9.43E-11	0.0537	7.36E-08	4.83E-07	7.43E-10
4.23E-14	0.0825	1.35E-16	1.66E-15	4.42E-13
2.16E-10	0.0508	4.70E-07	2.69E-06	1.53E-09
1.25E-09	0.0479	5.41E-08	3.03E-07	6.98E-09
3.84E-10	0.0466	8.60E-08	4.41E-07	2.01E-09
6.90E-14	0.0807	6.05E-16	6.95E-15	7.01E-13
3.84E-10	0.0463	1.04E-07	5.67E-07	2.15E-09
3.59E-14	0.0815	3.12E-16	3.60E-15	3.67E-13
3.59E-14	0.0816	2.87E-16	3.31E-15	3.66E-13
3.90E-14	0.0816	2.87E-16	3.36E-15	4.02E-13
5.06E-10	0.0463	1.04E-07	5.64E-07	2.74E-09
5.41E-14	0.0814	3.39E-16	3.86E-15	5.43E-13
3.39E-05	-0.0604	4.02E-10	<b>1.85E-11</b>	<b>6.16E-07</b>
3.56E-05	-0.0603	4.29E-10	<b>1.65E-11</b>	<b>5.35E-07</b>
3.73E-05	-0.0604	4.02E-10	<b>1.45E-11</b>	<b>5.21E-07</b>
2.72E-05	-0.0614	2.06E-10	<b>8.09E-12</b>	<b>4.07E-07</b>
1.10E-04	-0.0639	1.51E-10	<b>2.25E-11</b>	<b>6.07E-06</b>
1.62E-04	-0.063	1.11E-10	<b>1.38E-11</b>	<b>6.75E-06</b>
4.31E-05	-0.0596	6.81E-10	<b>2.29E-11</b>	<b>5.70E-07</b>
4.51E-05	-0.0596	6.81E-10	<b>2.35E-11</b>	<b>6.13E-07</b>
4.31E-05	-0.0593	8.28E-10	<b>2.70E-11</b>	<b>5.59E-07</b>
1.93E-04	-0.0622	1.89E-10	<b>2.11E-11</b>	<b>7.22E-06</b>
2.60E-04	-0.0618	2.47E-10	<b>2.69E-11</b>	<b>9.31E-06</b>
5.71E-05	-0.059	1.01E-09	<b>3.36E-11</b>	<b>7.51E-07</b>
7.21E-05	-0.0588	1.15E-09	<b>3.22E-11</b>	<b>7.80E-07</b>
6.89E-05	-0.0589	1.07E-09	<b>2.01E-11</b>	<b>4.88E-07</b>
3.04E-04	-0.0619	2.31E-10	<b>1.53E-11</b>	<b>6.29E-06</b>
7.61E-05	-0.059	1.01E-09	<b>2.40E-11</b>	<b>6.78E-07</b>
7.61E-05	-0.0589	1.07E-09	<b>2.45E-11</b>	<b>6.51E-07</b>
2.80E-04	-0.0618	2.47E-10	<b>2.01E-11</b>	<b>7.29E-06</b>
7.97E-05	-0.0589	1.07E-09	<b>2.15E-11</b>	<b>5.91E-07</b>
2.69E-04	-0.0618	3.83E-10	<b>2.49E-11</b>	<b>5.84E-06</b>
1.36E-02	-0.0495	1.31E-05	<b>6.92E-07</b>	2.95E-04
2.69E-04	-0.0618	3.83E-10	<b>2.19E-11</b>	<b>5.10E-06</b>
8.34E-05	-0.0589	1.07E-09	<b>1.52E-11</b>	<b>4.30E-07</b>
2.80E-04	-0.0618	3.83E-10	<b>2.08E-11</b>	<b>5.01E-06</b>
8.34E-05	-0.0589	1.07E-09	<b>1.37E-11</b>	<b>3.87E-07</b>
2.47E-04	-0.062	3.37E-10	<b>3.39E-11</b>	<b>8.53E-06</b>
2.47E-04	-0.062	3.37E-10	<b>2.12E-11</b>	<b>5.20E-06</b>
6.95E-05	-0.0589	1.07E-09	<b>1.46E-11</b>	<b>3.50E-07</b>

2.09E-04	-0.0622	2.95E-10	<b>2.01E-11</b>	<b>4.82E-06</b>
1.84E-04	-0.0624	2.59E-10	<b>1.75E-11</b>	<b>4.24E-06</b>
1.69E-04	-0.0629	1.86E-10	<b>1.43E-11</b>	<b>4.40E-06</b>
6.05E-05	-0.0593	1.26E-09	<b>2.10E-11</b>	<b>3.97E-07</b>
2.09E-04	-0.0627	2.13E-10	<b>1.75E-11</b>	<b>5.77E-06</b>
2.09E-04	-0.0628	1.99E-10	<b>1.68E-11</b>	<b>5.92E-06</b>
2.49E-03	-0.0591	4.79E-08	3.57E-08	8.46E-04
2.01E-04	-0.063	1.75E-10	<b>1.40E-11</b>	<b>5.36E-06</b>
2.09E-04	-0.063	1.75E-10	<b>1.39E-11</b>	<b>5.53E-06</b>
2.09E-04	-0.063	1.75E-10	<b>1.43E-11</b>	<b>5.68E-06</b>
5.78E-05	-0.06	8.03E-10	<b>1.22E-11</b>	<b>3.35E-07</b>
5.78E-05	-0.06	8.03E-10	<b>1.42E-11</b>	<b>3.91E-07</b>
2.01E-04	-0.0625	3.75E-10	<b>3.00E-11</b>	<b>5.74E-06</b>
1.92E-04	-0.0627	3.29E-10	<b>2.66E-11</b>	<b>5.53E-06</b>
2.09E-04	-0.0627	3.29E-10	<b>2.41E-11</b>	<b>5.39E-06</b>
1.77E-04	-0.0629	2.89E-10	<b>2.32E-11</b>	<b>5.05E-06</b>
4.43E-05	-0.0615	4.66E-10	<b>1.01E-11</b>	<b>3.76E-07</b>
1.59E-01	0.0022	8.00E-01	4.74E-01	1.69E-01
1.24E-01	0.0032	7.10E-01	3.97E-01	1.20E-01
1.24E-01	0.0032	7.10E-01	4.18E-01	1.27E-01
3.24E-02	0.0089	3.07E-01	1.94E-01	3.04E-02
3.44E-02	0.0086	3.23E-01	2.00E-01	3.19E-02
3.65E-02	0.0084	3.35E-01	1.98E-01	3.25E-02
3.76E-02	0.0084	3.35E-01	1.64E-01	2.73E-02
3.44E-02	0.0088	3.12E-01	2.03E-01	3.32E-02
3.65E-02	0.0087	3.18E-01	2.14E-01	3.64E-02
8.69E-01	0.0098	4.22E-01	4.14E-04	4.95E-04
8.19E-01	0.0141	1.27E-01	6.14E-02	2.28E-01
7.11E-01	0.0228	1.25E-02	9.24E-03	2.42E-01
7.03E-01	0.0236	9.73E-03	7.38E-03	2.42E-01
5.87E-01	0.025	6.78E-03	4.98E-03	2.11E-01
5.99E-01	0.0247	7.48E-03	5.63E-03	2.21E-01
6.40E-01	0.0235	1.00E-02	8.56E-03	2.59E-01
6.15E-01	0.0238	8.34E-03	6.40E-03	2.27E-01
6.56E-01	0.0234	9.50E-03	6.22E-03	2.04E-01
6.56E-01	0.023	1.18E-02	7.40E-03	2.00E-01
5.82E-01	0.0239	8.07E-03	4.55E-03	1.65E-01
6.77E-01	0.0224	1.41E-02	2.95E-02	6.20E-01
7.79E-01	0.02	2.85E-02	1.44E-02	1.87E-01
7.08E-01	0.0202	2.69E-02	1.40E-02	1.84E-01
6.60E-01	0.0202	2.69E-02	5.34E-02	6.22E-01
6.82E-01	0.0207	2.34E-02	1.36E-02	1.99E-01
7.03E-01	0.0206	2.40E-02	1.44E-02	2.08E-01
7.11E-01	0.0205	2.47E-02	1.61E-02	2.27E-01
7.90E-01	0.0204	2.54E-02	1.20E-02	1.74E-01
8.04E-01	0.026	7.75E-03	1.05E-02	4.10E-01
6.65E-01	0.021	2.14E-02	1.11E-02	1.74E-01



6.73E-01	0.0209	2.20E-02	1.15E-02	1.77E-01
7.17E-01	0.0204	2.38E-02	1.76E-02	2.56E-01
6.91E-01	0.0199	2.74E-02	1.94E-02	2.43E-01
7.26E-01	0.0198	3.01E-02	2.02E-02	2.39E-01
4.75E-01	-0.0191	3.43E-02	3.43E-02	2.83E-01
7.17E-01	0.0199	2.93E-02	2.00E-02	2.41E-01
6.82E-01	0.0202	2.52E-02	6.06E-02	7.41E-01
6.65E-01	0.0203	2.44E-02	1.70E-02	2.33E-01
7.85E-01	0.0188	3.50E-02	2.71E-02	2.85E-01
6.87E-01	-0.0168	5.95E-02	4.32E-02	2.69E-01
6.07E-01	-0.0164	6.91E-02	1.23E-01	6.05E-01

al neck bone mineral density and LS-BMD=lumbar spine BMD, assessed in Estrada et al. [20]. Highlighted in red are







the markers considered to exert pleiotropic effects in both traits