

Table S1. Adiponectin: SNPs for genetic risk score calculation

Literature SNP ¹	Used SNP	R²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β-coefficient for literature SNP
rs3774261	rs3774261	1.00	A	0.407	G	0.354
rs3821799	rs3821799	1.00	C	0.541	T	0.352
rs17300539	rs822387	0.83	C	0.0857	T	0.330

Table S2. Alkaline phosphatase (ALP): SNPs for genetic risk score calculation*

Literature SNP ²	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β -coefficient for literature SNP
rs16856332	rs10199694	1.00	A	0.0357	G	3.9
rs174601	rs174601	1.00	C	0.642	T	1.7
rs579459	rs651007	1.00	T	0.229	C	8.8
rs2954021	rs2980875	0.78	G	0.446	A	1.4
rs7267979	rs6083776	0.59	G	0.516	A	1.5

*The following literature SNPs were not analyzed since there were no proxies available: rs10819937, rs1883415, rs1976403, rs2236653, rs281377, rs314253, rs6984305, rs7186908, rs7923609.

Table S3. Birthweight: SNPs for genetic risk score calculation*

Literature SNP ³	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β-coefficient for literature SNP
rs1351394	rs1042725	0.84	T	0.512	C	0.023
rs35261542	rs9368222	1.00	C	0.739	A	0.044
rs7076938	rs7076938	1.00	T	0.719	C	0.036
rs700059	rs2488597	0.80	G	0.156	A	0.033
rs12823128	rs7309939	0.77	T	0.519	C	0.021
rs10830963	rs10830963	1.00	G	0.276	C	0.023

*The following literature SNPs were not analyzed since there were no proxies available: rs13322435, rs1171920, rs925098, rs854037, rs1374204, rs138715366, rs1101081, rs28510415, rs113086489, rs61862780, rs6537307, rs3753639, rs62240962, rs62466330, rs13266210, rs1415701, rs7575873, rs28530618, rs6016377, rs10935733, rs72851023, rs11765649, rs2473248, rs7402982, rs11096402, rs7729301, rs144843919, rs72480273, rs1819436, rs74233809, rs12543725, rs1011939, rs12942207, rs798489, rs7847628, rs2421016, rs6040076, rs2324499, rs7964361, rs12906125, rs6959887, rs7742369, rs9379832, rs2242116, rs2229742, rs2854355, rs134594, rs11055034, rs10402712, rs61154119, rs2150052, rs61830764, rs6989280, rs139975827.

Table S4. Body mass index (BMI): SNPs for genetic risk score calculation*

Literature SNP ⁴	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β -coefficient for literature SNP
rs1558902	rs1421085	1.00	C	0.417	T	0.079
rs12566985	rs7553158	1.00	G	0.436	A	0.027
rs3888190	rs4788099	1.00	G	0.383	A	0.028
rs17001654	rs17001561	1.00	A	0.157	G	0.032
rs12705981	rs12705973	1.00	G	0.447	A	0.021
rs2075650	rs2075650	1.00	A	0.856	G	0.031
rs2246012	rs2246012	1.00	C	0.159	T	0.022
rs1808579	rs2236707	0.97	C	0.577	T	0.022
rs9880211	rs9844666	0.95	A	0.242	G	0.023
rs11030104	rs10767664	0.91	A	0.784	T	0.038
rs12016871	rs7988412	0.78	T	0.180	C	0.031
rs16951275	rs6494696	0.72	G	0.669	C	0.030
rs2287019	rs10423928	0.67	T	0.789	A	0.032
rs3817334	rs11570094	0.66	A	0.309	C	0.027
rs2112347	rs6453133	0.57	A	0.709	G	0.030

*The following literature SNPs were not analyzed since there were no proxies available: rs11672550, rs13078960, rs12450239, rs17024393, rs1928295, rs11917972, rs7550169, rs29941, rs9856151, rs1830074, rs11247009, rs268073, rs2579103, rs10938353, rs6062788, rs12885454, rs1464321, rs4566392, rs38313, rs2650492, rs4984406, rs1979755, rs657452, rs9867325.

Table S5. Coronary artery disease (CAD): SNPs for genetic risk score calculation*

Literature SNP ^{5,6}	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	OR for literature SNP
rs11206510	rs11206510	1.00	T	0.816	C	1.08
rs11556924	rs11556924	1.00	C	0.632	T	1.08
rs17514846	rs17514846	1.00	A	0.461	C	1.05
rs2519093	rs651007	0.96	T	0.229	C	1.08
rs2681472	rs11105354	1.00	G	0.171	A	1.08
rs2891168	rs2891168	1.00	G	0.519	A	1.21
rs2954029	rs10808546	1.00	C	0.575	T	1.04
rs3184504	rs3184504	1.00	T	0.489	C	1.07
rs7528419	rs7528419	1.00	A	0.774	G	1.12
rs2244608	rs2244608	1.00	G	0.340	A	1.06

*The following literature SNPs were not analyzed since there were no proxies available: rs10139550, rs10840293, rs11191416, rs11838776, rs12202017, rs1412444, rs16986953, rs17087335, rs17678683, rs180803, rs1870634, rs2107595, rs2128739, rs216172, rs2487928, rs28451064, rs3918226, rs4252185, rs4420638, rs4468572, rs4593108, rs515135, rs55730499, rs56062135, rs56289821, rs56336142, rs6544713, rs663129, rs6689306, rs67180937, rs6725887, rs7212798, rs72689147, rs7568458, rs8042271, rs9349379, rs9818870, rs9970807, rs11810571, rs7623687, rs142695226, rs433903, rs10857147, rs11723436, rs35879803, rs1351525, rs11170820, rs7500448, rs8108632.

Table S6. Total cholesterol: SNPs for genetic risk score calculation*

Literature SNP ^{7,8}	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β-coefficient for literature SNP
rs10401969	rs3794991	1.00	T	0.0824	C	-0.137
rs12027135	rs873308	1.00	G	0.460	A	-0.027
rs1260326	rs1260326	1.00	T	0.428	C	0.051
rs12916	rs12916	1.00	C	0.397	T	0.068
rs1367117	rs1367117	1.00	A	0.318	G	0.100
rs1800961	rs1800961	1.00	T	0.0284	C	-0.106
rs1883025	rs1883025	1.00	T	0.256	C	-0.067
rs1961456	rs1961456	1.00	G	0.278	A	0.032
rs2000999	rs2000999	1.00	A	0.210	G	0.062
rs2479409	rs2479409	1.00	G	0.345	A	0.054
rs3764261	rs3764261	1.00	A	0.317	C	0.050
rs4299376	rs4299376	1.00	G	0.320	T	0.079
rs629301	rs646776	1.00	C	0.227	T	-0.134
rs651007	rs651007	1.00	T	0.229	C	0.069
rs6511720	rs6511720	1.00	T	0.117	G	-0.185
rs174550	rs1535	0.97	A	0.674	G	-0.048
rs3850634	rs1748197	0.97	A	0.322	G	-0.075
rs2290159	rs9817675	0.80	T	0.189	C	-0.037
rs964184	rs2075290	0.63	T	0.921	C	-0.121
rs1532085	rs4775041	0.57	C	0.282	G	0.054

*The following literature SNPs were not analyzed since there were no proxies available: rs10832963, rs11065987, rs11136341, rs11220463, rs1169288, rs117087731, rs12983728, rs1564348, rs1800562, rs2072183, rs2081687, rs2126259, rs2255141, rs2277862, rs2285942, rs2807834, rs2814982, rs2902940, rs2954022, rs3757354, rs4297946, rs4420638, rs492602, rs514230, rs581080, rs6759321, rs6882076, rs7206971, rs7239867, rs7515577, rs7941030, rs9488822.

Table S7. C-reactive protein (CRP): SNPs for genetic risk score calculation*

Literature SNP ⁹	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β -coefficient for literature SNP
rs12239046	rs12239046	1.00	C	0.621	T	0.048
rs1260326	rs1260326	1.00	T	0.428	C	0.089
rs1800961	rs1800961	1.00	C	0.972	T	0.120
rs2794520	rs1205	1.00	C	0.666	T	0.193
rs4129267	rs4129267	1.00	C	0.581	T	0.094
rs4420065	rs1805096	1.00	G	0.619	A	0.111
rs1183910	rs2244608	0.96	A	0.660	G	0.152
rs13233571	rs13232120	0.93	A	0.880	T	0.054
rs6734238	rs4251961	0.61	C	0.382	T	0.047

*The following literature SNPs were not analyzed since there were no proxies available: rs10521222, rs10745954, rs12037222, rs2836878, rs340029, rs4420638, rs4903031, rs9987289.

Table S8. Diastolic blood pressure (DBP): SNPs for genetic risk score calculation*

Literature SNP ¹⁰	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β -coefficient for literature SNP
rs11105354	rs11105354	1.00	A	0.829	G	0.459
rs11556924	rs11556924	1.00	T	0.368	C	-0.214
rs13306560	rs13306560	1.00	T	0.0497	C	0.290
rs1450271	rs7944706	0.76	A	0.455	G	0.199
rs1620668	rs1620668	1.00	A	0.841	G	-0.285
rs16823124	rs16823124	1.00	A	0.309	G	0.265
rs17037390	rs17037390	1.00	A	0.147	G	-0.499
rs17367504	rs17367504	1.00	A	0.855	G	0.390
rs2493134	rs2493134	1.00	T	0.572	C	-0.275
rs3184504	rs3184504	1.00	T	0.489	C	0.362
rs4494250	rs10786172	0.93	A	0.652	G	0.150
rs4746172	rs3793921	1.00	T	0.747	C	0.076
rs4846049	rs4846049	1.00	T	0.322	G	-0.196
rs592373	rs592373	1.00	A	0.640	G	0.282
rs6271	rs6271	1.00	T	0.0668	C	-0.465
rs936226	rs7085	0.85	T	0.292	C	-0.363

*The following literature SNPs were not analyzed since there were no proxies available: rs10077885, rs10850411, rs10943605, rs10995311, rs10995311, rs11014166, rs110419, rs11128722, rs1126464, rs1126464, rs1156725, rs11953630, rs12243859, rs12521868, rs12627651, rs12656497, rs12940887, rs12958173, rs13082711, rs13107325, rs13139571, rs1327235, rs1361831, rs1371182, rs1378942, rs1401454, rs1458038, rs167479, rs17030613, rs17080093, rs17428471, rs17638167, rs1799945, rs1975487, rs2187668, rs2272007, rs2291435, rs2384550, rs2521501, rs2586886, rs2891546, rs2898290, rs2932538, rs2969070, rs35444, rs3735533, rs3752728, rs381815, rs4245739, rs4247374, rs4590817, rs4660293, rs6026748, rs6095241, rs633185, rs6442101, rs6495122, rs6779380, rs6825911, rs687621, rs689134, rs6969780, rs7076398, rs7103648, rs711737, rs7213273, rs7302981, rs7302981, rs740746, rs7515635, rs751984, rs76452347, rs772178, rs805303, rs8068318, rs8068318, rs880315, rs891511, rs900145, rs918466, rs926552, rs932764, rs943037, rs9687065.

Table S9. Estimated glomerular filtration rate from serum creatinine (eGFR_{Cr}): SNPs for genetic risk score calculation*

Literature SNP ¹¹	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β-coefficient for literature SNP
rs8091180	rs8091180	1.00	A	0.560	G	-0.006
rs12136063	rs111142	0.89	A	0.278	G	0.0045
rs4667594	rs10490132	0.91	C	0.510	A	-0.0044
rs1260326	rs1260326	1.00	T	0.428	C	0.0068
rs6546838	rs6546838	1.00	A	0.761	G	-0.0093
rs9472135	rs9369425	0.77	A	0.705	G	-0.008
rs316009	rs316009	1.00	T	0.0989	C	0.0131
rs7805747	rs10480300	1.00	T	0.288	C	-0.013
rs3758086	rs3758086	1.00	A	0.405	G	-0.0071

*The following literature SNPs were not analyzed since there were no proxies available: rs3850625, rs2712184, rs9682041, rs10513801, rs10994860, rs163160, rs164748, rs2802729, rs6795744, rs228611, rs7759001, rs10277115, rs3750082, rs6459680, rs4014195, rs10491967, rs7956634, rs1106766, rs11666497, rs6088580, rs17216707, rs1800615, rs267734, rs807601, rs7422339, rs2861422, rs17319721, rs11959928, rs6420094, rs848490, rs4744712, rs1044261, rs963837, rs10774021, rs716877, rs476633, rs2467853, rs491567, rs1394125, rs13329952, rs2453580, rs9916302, rs11657044, rs12460876.

Table S10. Fibrinogen: SNPs for genetic risk score calculation*

Literature SNP ¹²	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β -coefficient for literature SNP
rs3138493	rs1571536	0.91	T	0.486	C	-0.005
rs73058052	rs2304204	0.56	T	0.732	C	0.007
rs10157379	rs12239046	0.93	C	0.621	T	-0.010
rs59104589	rs15129	0.52	T	0.802	C	-0.008
rs1800961	rs1800961	1.00	T	0.0284	C	-0.017

*The following literature SNPs were not analyzed since there were no proxies available: rs7588285, rs62246343, rs1976714, rs2710804, rs7012814, rs2250644, rs2420915, rs7934094, rs7310615, rs56702977, rs1035560, rs7224737, rs1892534, rs61812598, rs1558643, rs6734238, rs715, rs9840812, rs59950280, rs7439150, rs2057655, rs71520386, rs11780978, rs7916868, rs11230201, rs2731439, rs367677, rs12913259, rs11859517, rs9808651, rs75347843.

Table S11. Fasting glucose: SNPs for genetic risk score calculation*

Literature SNP ¹	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β -coefficient for literature SNP
rs10830963	rs10830963	1.00	G	0.276	C	0.067
rs4607517	rs1799884	1.00	T	0.174	C	0.062
rs11920090	rs10513685	0.93	G	0.859	A	0.020
rs7944584	rs11039149	0.84	A	0.720	G	0.021
rs560887	rs569805	0.73	T	0.656	A	0.075

*The following literature SNPs were not analyzed since there were no proxies available: rs10885122, rs11071657, rs11605924, rs11708067, rs13266634, rs2191349, rs340874, rs7034200.

Table S12. Gamma-glutamyl transferase (GTT): SNPs for genetic risk score calculation*

Literature SNP ²	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β-coefficient for literature SNP
rs10513686	rs11711437	1.00	C	0.857	G	4.9
rs1260326	rs1260326	1.00	C	0.572	T	3.2
rs17145750	rs17145750	1.00	T	0.155	C	4.5
rs12145922	rs786918	0.82	A	0.421	G	2.8
rs2739330	rs1006771	0.80	T	0.657	G	3.7
rs7310409	rs2244608	0.62	G	0.340	A	6.8

*The following literature SNPs were not analyzed since there were no proxies available: rs1076540, rs10908458, rs12968116, rs13030978, rs1335645, rs1497406, rs2073398, rs2140773, rs339969, rs4074793, rs4503880, rs4547811, rs4581712, rs516246, rs6888304, rs754466, rs8038465, rs9296736, rs944002, rs9913711.

Table S13. High-density lipoprotein (HDL): SNPs for genetic risk score calculation*

Literature SNP ^{7,8}	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β-coefficient for literature SNP
rs1121980	rs1121980	1.00	A	0.436	G	-0.020
rs12678919	rs10503669	1.00	A	0.0996	C	0.155
rs13326165	rs13326165	1.00	A	0.191	G	0.029
rs17145738	rs13232120	1.00	T	0.120	A	0.041
rs174601	rs174601	1.00	T	0.358	C	-0.039
rs1800961	rs1800961	1.00	T	0.0283	C	-0.127
rs1883025	rs1883025	1.00	T	0.256	C	-0.070
rs3136441	rs2070850	1.00	T	0.126	C	0.054
rs3764261	rs3764261	1.00	A	0.317	C	0.241
rs4846914	rs4846914	1.00	G	0.409	A	-0.048
rs6065906	rs6073952	1.00	A	0.190	G	-0.059
rs6805251	rs6782799	1.00	T	0.397	C	0.020
rs881844	rs881844	1.00	G	0.655	C	-0.032
rs7255436	rs2278236	0.97	G	0.486	A	-0.032
rs838880	rs838878	0.96	A	0.307	G	0.048
rs7241918	rs2156552	0.95	A	0.162	T	-0.090
rs7134594	rs7298565	0.94	A	0.548	G	-0.035
rs2013208	rs1062633	0.90	T	0.506	C	0.025
rs386000	rs103294	0.89	T	0.189	C	0.048
rs2652834	rs11071721	0.85	T	0.207	C	-0.028
rs16942887	rs20549	0.79	G	0.173	A	0.083
rs2606736	rs347591	0.79	G	0.353	T	0.025
rs3741414	rs11172134	0.72	A	0.189	T	0.028

rs970548	rs1487562	0.69	T	0.193	C	0.026
rs12145743	rs928391	0.68	C	0.267	T	0.020
rs964184	rs2075290	0.63	T	0.921	C	0.106
rs1532085	rs4775041	0.57	C	0.282	G	0.107
rs12801636	rs3741378	0.56	T	0.122	C	0.024

*The following literature SNPs were not analyzed since there were no proxies available: rs10019888, rs1047891, rs10808546, rs11246602, rs12328675, rs12748152, rs12967135, rs13107325, rs1515100, rs1689800, rs17173637, rs17695224, rs181362, rs1936800, rs2290547, rs2293889, rs2602836, rs2923084, rs2925979, rs3822072, rs4082919, rs4142995, rs4148008, rs4420638, rs4650994, rs4660293, rs4731702, rs4759375, rs4765127, rs4917014, rs4983559, rs499974, rs605066, rs643531, rs6450176, rs702485, rs7115089, rs7134375, rs7188861, rs731839, rs737337, rs78058190, rs998584, rs9987289.

Table S14. Ischemic stroke: SNPs for genetic risk score calculation*

Literature SNP¹³	Used SNP	R²	Used SNP: Effect allele	EA freq	Used SNP: Other allele	OR for literature SNP
rs6843082	rs4611994	0.53	C	0.125	T	1.36
rs2383207	rs944797	1.00	C	0.546	T	1.15
rs505922	rs657152	1.00	A	0.369	C	1.13
rs660599	rs17368659	0.55	T	0.133	G	1.18
rs10744777	rs10744777	1.00	T	0.668	C	1.10

*The following literature SNPs were not analyzed since there were no proxies available: rs556621, rs2107595, rs879324.

Table S15. Low-density lipoprotein (LDL): SNPs for genetic risk score calculation*

Literature SNP ^{7,8}	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β-coefficient for literature SNP
rs10401969	rs3794991	1.00	T	0.0824	C	-0.118
rs12027135	rs873308	1.00	G	0.460	A	-0.030
rs12916	rs12916	1.00	C	0.397	T	0.073
rs1367117	rs1367117	1.00	A	0.318	G	0.119
rs174583	rs174576	1.00	A	0.333	C	-0.051
rs2000999	rs2000999	1.00	A	0.210	G	0.065
rs2479409	rs2479409	1.00	G	0.345	A	0.064
rs4299376	rs4299376	1.00	G	0.320	T	0.081
rs629301	rs646776	1.00	C	0.227	T	-0.167
rs649129	rs651007	1.00	T	0.229	C	0.077
rs3850634	rs1748197	0.97	A	0.322	G	-0.049
rs964184	rs2075290	0.63	T	0.921	C	-0.086

*The following literature SNPs were not analyzed since there were no proxies available: rs11065987, rs11136341, rs11153594, rs11220462, rs1129555, rs1169288, rs117492019, rs12670798, rs1564348, rs1800562, rs182616603, rs2081687, rs2126259, rs217386, rs247616, rs2807834, rs2902941, rs2954022, rs3177928, rs3757354, rs4420638, rs514230, rs6511720, rs6882076, rs7206971, rs79588679, rs8017377, rs909802.

Table S16. Systolic blood pressure (SBP): SNPs for genetic risk score calculation*

Literature SNP ¹⁰	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β -coefficient for literature SNP
rs10224002	rs10224002	1.00	A	0.702	G	-0.465
rs11105354	rs11105354	1.00	A	0.829	G	0.909
rs11229457	rs11229519	0.74	T	0.231	C	-0.310
rs12247028	rs7080350	0.56	A	0.600	G	-0.364
rs1450271	rs7944706	0.76	A	0.455	G	0.413
rs1620668	rs1620668	1.00	A	0.841	G	-0.535
rs17367504	rs17367504	1.00	A	0.855	G	0.716
rs217727	rs217727	1.00	A	0.196	G	0.591
rs2493134	rs2493134	1.00	T	0.572	C	-0.431
rs3184504	rs3184504	1.00	T	0.489	C	0.498
rs347591	rs347591	1.00	T	0.647	G	0.244
rs3741378	rs3741378	1.00	T	0.122	C	-0.486
rs5219	rs5215	0.94	T	0.638	C	0.320
rs592373	rs592373	1.00	A	0.640	G	0.484
rs6271	rs6271	1.00	T	0.0668	C	-0.591
rs7129220	rs4403799	0.92	A	0.883	G	-1.107
rs7297416	rs7297416	1.00	A	0.707	C	0.090
rs757081	rs5215	0.65	T	0.638	C	-0.085
rs936226	rs7085	0.85	T	0.292	C	-0.549

*The following literature SNPs were not analyzed since there were no proxies available: rs10077885, rs10760117, rs111245230, rs11128722, rs11556924a, rs1156725, rs11639856, rs1173766, rs11953630, rs12243859, rs12279202, rs12627651, rs12656497, rs12705390, rs12940887, rs12940887, rs12946454, rs12958173, rs13107325, rs1327235, rs13359291, rs1361831, rs1371182, rs1378942, rs1458038, rs16849225, rs16877320, rs17010957, rs17037390, rs17080093, rs17365948, rs17428471, rs17608766, rs17638167, rs1799945, rs1813353, rs1975487, rs2014912, rs2270860, rs2291435, rs2493292, rs2521501, rs2586886, rs2594992, rs2891546, rs2898290, rs2932538, rs2969070, rs35479618,

rs35529250, rs3735533, rs3752728, rs381815, rs4245739, rs4247374, rs4387287, rs4590817,
rs4691707, rs4823006, rs6026748, rs61760904, rs633185, rs6442101, rs6722745, rs6779380, rs689134,
rs6919440, rs7076398, rs7103648, rs711737, rs7213273, rs740746, rs7515635, rs751984, rs805303,
rs880315, rs932764, rs9349379, rs943037.

Table S17. Systemic lupus erythematosus (SLE): SNPs for genetic risk score calculation*

Literature SNP ¹⁴	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	OR for literature SNP
rs10036748	rs7708392	1.00	C	0.258	G	1.33
rs10488631	rs10488631	1.00	C	0.105	T	1.84
rs2286672	rs2286672	1.00	T	0.0760	C	1.24
rs2476601	rs2476601	1.00	A	0.0862	G	1.37
rs3794060	rs7928249	1.00	A	0.261	G	1.12
rs9652601	rs2041670	0.96	G	0.667	A	1.13
rs10774625	rs3184504	0.93	T	0.489	C	1.17
rs6932056	rs2230926	0.79	G	0.0350	T	1.70
rs34572943	rs13338069	0.69	G	0.127	A	1.69

*The following literature SNPs were not analyzed since there were no proxies available: rs10028805, rs1059312, rs11644034, rs11889341, rs1270942, rs12802200, rs1734787, rs17849501, rs1801274, rs2111485, rs2289583, rs2304256, rs2431697, rs2663052, rs2732549, rs2736340, rs2941509, rs3024505, rs3768792, rs4902562, rs4917014, rs4948496, rs564799, rs6568431, rs6740462, rs704840, rs7444, rs7726414, rs7941765, rs849142, rs887369, rs9311676, rs9462027, rs9782955.

Table S18. Type 2 diabetes mellitus (T2DM): SNPs for genetic risk score calculation*

Literature SNP ¹⁵	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	OR for literature SNP
rs6757251	rs7578597	1.00	C	0.104	T	1.14
rs4402960	rs4402960	1.00	T	0.326	G	1.15
rs3821943	rs3821943	1.00	T	0.539	C	1.10
rs1635852	rs864745	0.97	T	0.501	C	1.10
rs878521	rs2908282	0.55	A	0.175	G	1.05
rs3802177	rs3802177	1.00	G	0.700	A	1.12
rs10757282	rs10757282	1.00	C	0.444	T	1.04
rs635634	rs651007	1.00	T	0.229	C	1.08
rs7903146	rs7903146	1.00	T	0.302	C	1.34
rs233449	rs233449	1.00	G	0.718	A	1.09
rs5219	rs5215	0.94	T	0.638	C	1.07
rs76550717	rs613937	0.79	A	0.830	G	1.10
rs10830963	rs10830963	1.00	G	0.276	C	1.08
rs6581998	rs4760921	0.70	T	0.329	A	1.06
rs56348580	rs12427353	0.66	G	0.802	C	1.08
rs78761021	rs7219033	0.87	G	0.700	A	1.07
rs757209	rs4239217	0.63	G	0.393	A	1.09
rs12454712	rs12454712	1.00	T	0.626	C	1.05
rs58489806	rs3794991	0.64	T	0.0824	C	1.09
rs12625671	rs4810426	0.87	C	0.872	T	1.09
rs1800961	rs1800961	1.00	T	0.0284	C	1.17

*The following literature SNPs were not analyzed since there were no proxies available: rs3768321, rs12031920, rs406767, rs67156297, rs340874, rs145819220, rs9309245, rs1116357, rs10193447, rs6723108, rs7560163, rs1563575, rs28584669, rs2972156, rs1861612, rs11712037, rs35352848, rs79819696, rs7428936, rs11708067, rs9820223, rs6777684, rs1531583, rs7660590, rs60780116,

rs11747901, rs9687833, rs173964, rs6453287, rs78408340, rs74944275, rs6923241, rs7451008, rs115321690, rs2244020, rs9271774, rs143308245, rs139514607, rs11759026, rs6918311, rs10276674, rs10238625, rs10229583, rs73455744, rs791595, rs10954284, rs1182436, rs516946, rs4734285, rs11786613, rs10758593, rs186838848, rs10965248, rs10965223, rs1575972, rs13301067, rs9410573, rs11787792, rs11257659, rs10998572, rs810517, rs11187140, rs10886471, rs2292626, rs2334499, rs11564732, rs7107784, rs756852, rs231360, rs2237897, rs191294997, rs441613, rs1061810, rs111669836, rs11063018, rs188827514, rs4238013, rs7953190, rs147538848, rs2258238, rs2851437, rs9552911, rs7330796, rs11616380, rs10146997, rs7403531, rs67839313, rs4774420, rs952471, rs62006309, rs62023387, rs12595616, rs1558902, rs8056814, rs2925979, rs9911305, rs7224685, rs13342692, rs79349575, rs7234111, rs1942880, rs79851087, rs139990642, rs429358, rs55864746, rs2023681, rs5945326.

Table S19. Triglycerides: SNPs for genetic risk score calculation*

Literature SNP ^{7,8}	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β-coefficient for literature SNP
rs10401969	rs3794991	1.00	T	0.0824	C	-0.121
rs1260326	rs1260326	1.00	T	0.428	C	0.115
rs12678919	rs10503669	1.00	A	0.0996	C	-0.170
rs1321257	rs2281719	1.00	C	0.400	T	0.040
rs174546	rs1535	1.00	G	0.326	A	0.045
rs2131925	rs1748197	1.00	A	0.322	G	-0.066
rs2954029	rs10808546	1.00	T	0.425	C	-0.076
rs4810479	rs4810479	1.00	C	0.256	T	0.053
rs7248104	rs7508679	1.00	T	0.430	C	-0.022
rs2068888	rs4418728	0.97	T	0.458	G	-0.024
rs442177	rs3775214	0.93	G	0.388	A	-0.031
rs11613352	rs11172134	0.77	A	0.189	T	-0.028
rs5756931	rs4820314	0.66	A	0.352	G	-0.020
rs964184	rs2075290	0.63	T	0.921	C	-0.234
rs11649653	rs749767	0.62	G	0.373	A	-0.027

*The following literature SNPs were not analyzed since there were no proxies available: rs10761731, rs11776767, rs12310367, rs13238203, rs1495743, rs1553318, rs1832007, rs193042029, rs2255811, rs2412710, rs2540948, rs261342, rs2929282, rs2943645, rs3198697, rs340839, rs38855, rs645040, rs6831256, rs7205804, rs731839, rs7811265, rs8077889, rs9686661, rs998584.

Table S20. Uric acid: SNPs for genetic risk score calculation*

Literature SNP ¹⁶	Used SNP	R ²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	β -coefficient for literature SNP
rs1260326	rs1260326	1.00	T	0.428	C	0.074
rs2231142	rs2231142	1.00	T	0.101	G	0.217
rs1178977	rs17145713	1.00	C	0.812	T	0.047
rs10480300	rs10480300	1.00	T	0.288	C	0.035
rs6598541	rs4966021	0.96	C	0.372	T	0.043
rs17786744	rs3758086	0.90	G	0.595	A	-0.029
rs653178	rs3184504	0.87	C	0.511	T	-0.035
rs7193778	rs33063	0.85	G	0.856	A	-0.046
rs729761	rs9369425	0.75	G	0.295	A	-0.047
rs3741414	rs11172134	0.72	A	0.189	T	-0.072
rs11264341	rs4072037	0.55	C	0.460	T	-0.050

*The following literature SNPs were not analyzed since there were no proxies available: rs1471633, rs12498742, rs675209, rs1165151, rs1171614, rs2078267, rs478607, rs17050272, rs2307394, rs6770152, rs17632159, rs2941484, rs10821905, rs642803, rs1394125, rs7188445, rs7224610, rs2079742, rs164009.

Table S21. Venous thromboembolism (VTE): SNPs for genetic risk score calculation*

Literature SNP ¹⁷	Used SNP	R²	Used SNP: Effect allele (EA)	EA freq	Used SNP: Other allele	OR for literature SNP
rs6025	rs6025	1.00	T	0.0262	C	3.25
rs4524	rs4524	1.00	T	0.740	C	1.20
rs2066865	rs2066861	1.00	T	0.231	C	1.24
rs529565	rs657152	1.00	A	0.369	C	1.55
rs4253417	rs3756009	0.80	G	0.394	A	1.27

*The following literature SNPs were not analyzed since there were no proxies available: rs1799963, rs6087685, rs4602861, rs78707713, rs2288904.

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