

Appendix: Supplementary figures and tables

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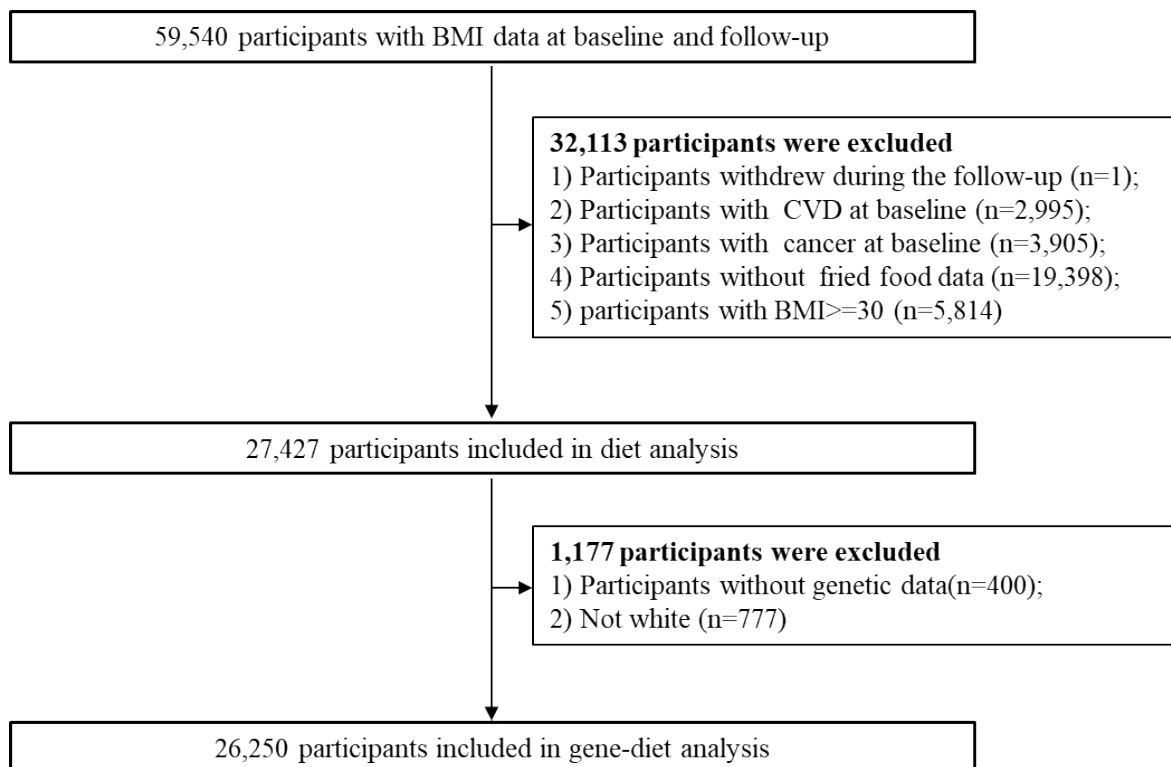


Figure S1. Flow of participants in current UK biobank study

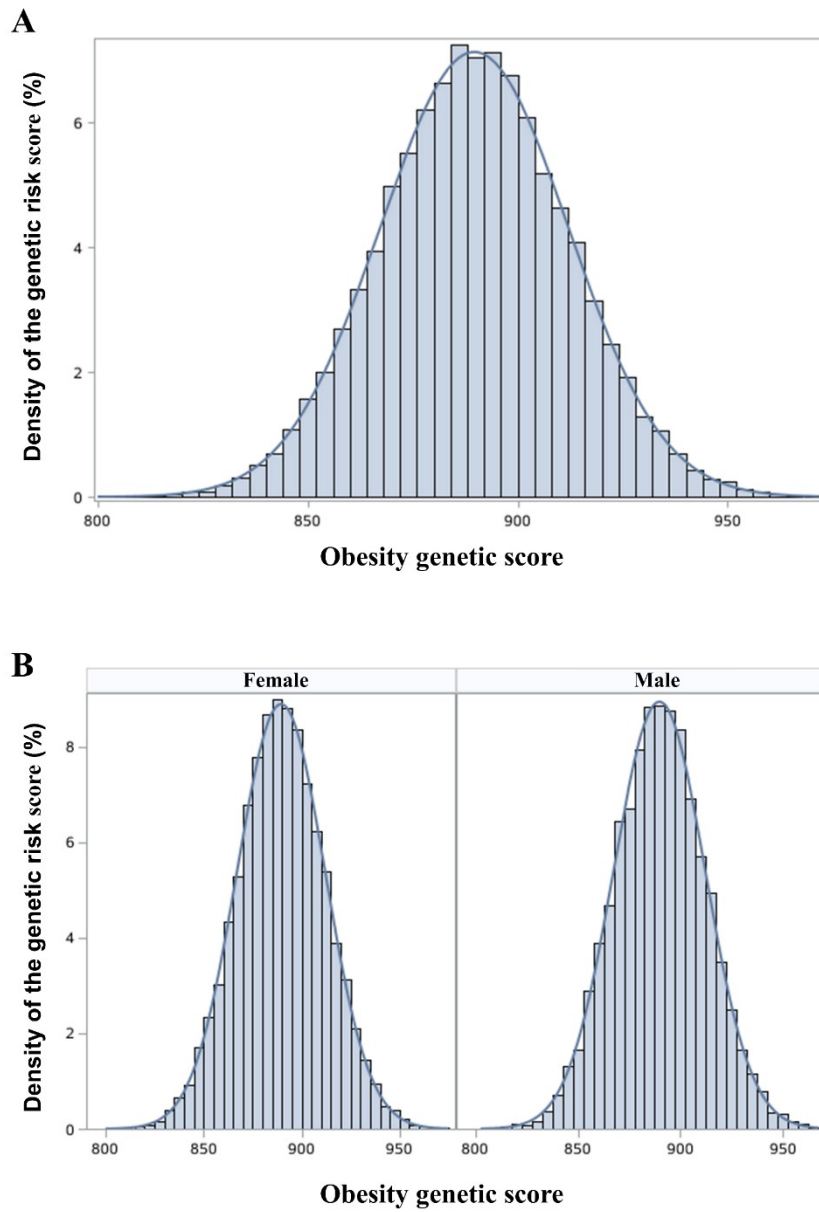


Figure S2. Distribution of the genetic risk score in UK biobank

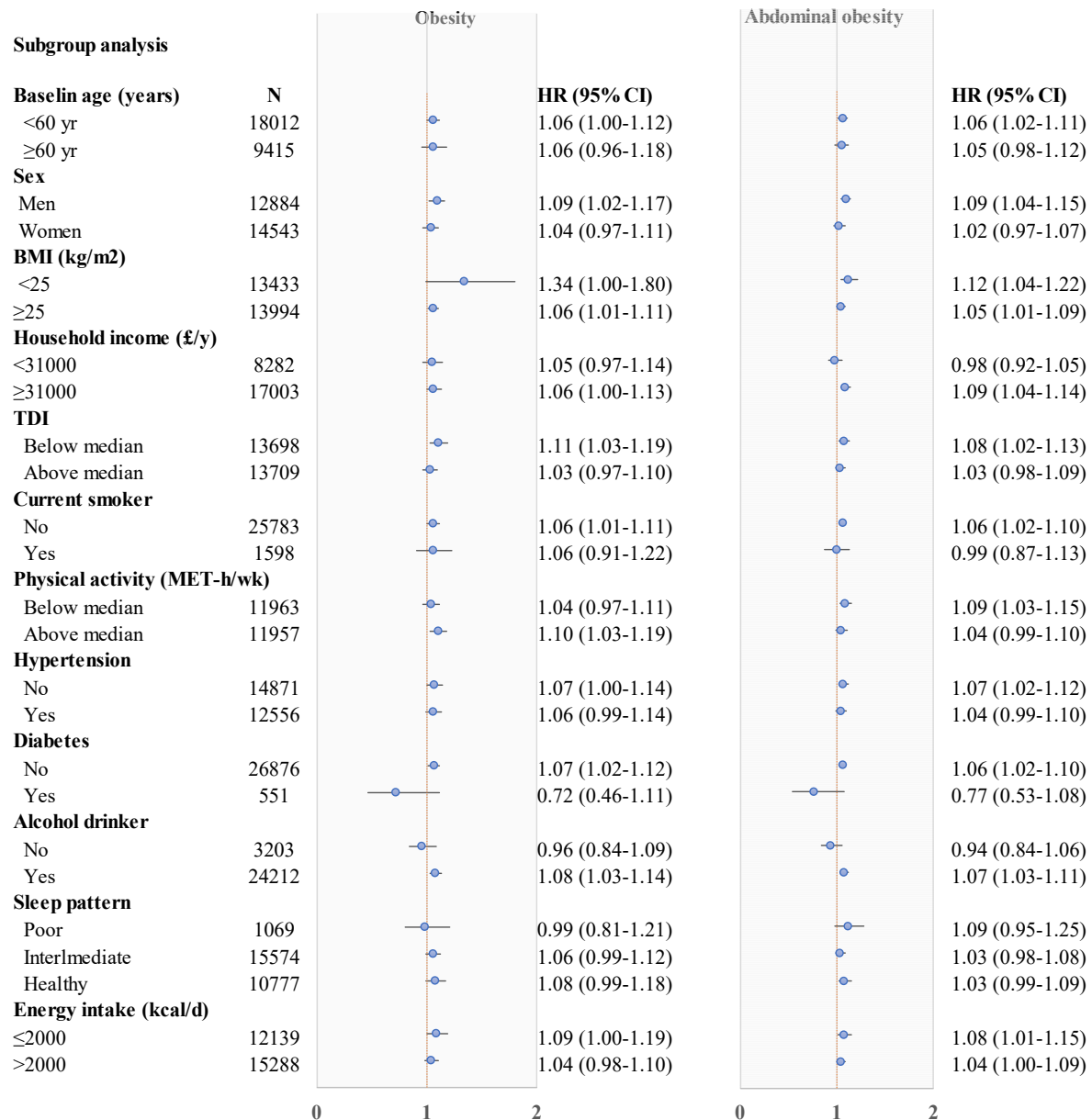


Figure S3. Association of fried food consumption and the risk of adiposity stratified by potential risk factors. HRs for the fried food consumption associated with obesity and abdominal obesity were adjusted for age, sex, race, centers, education, Townsend deprivation index, household income, smoking, alcohol consumption, physical activity, sleep pattern, energy intake, and BMI (for obesity) or WC (for abdominal obesity) at baseline.

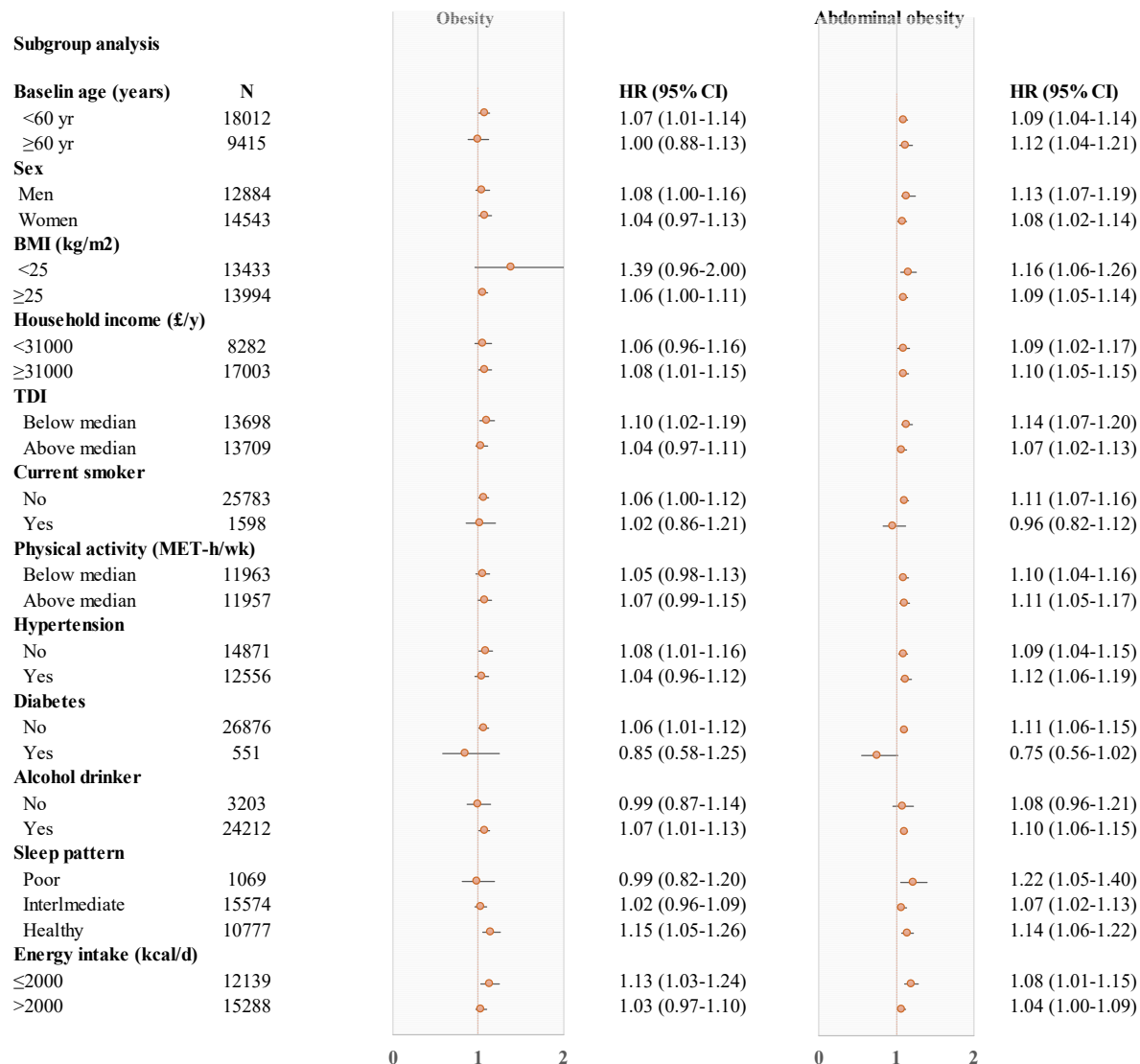


Figure S4. Association of fried potato consumption and the risk of adiposity stratified by potential risk factors. HRs for the fried potato consumption associated with obesity and abdominal obesity were adjusted for age, sex, race, centers, education, Townsend deprivation index, household income, smoking, alcohol consumption, physical activity, sleep pattern, energy intake, and BMI (for obesity) or WC (for abdominal obesity) at baseline.

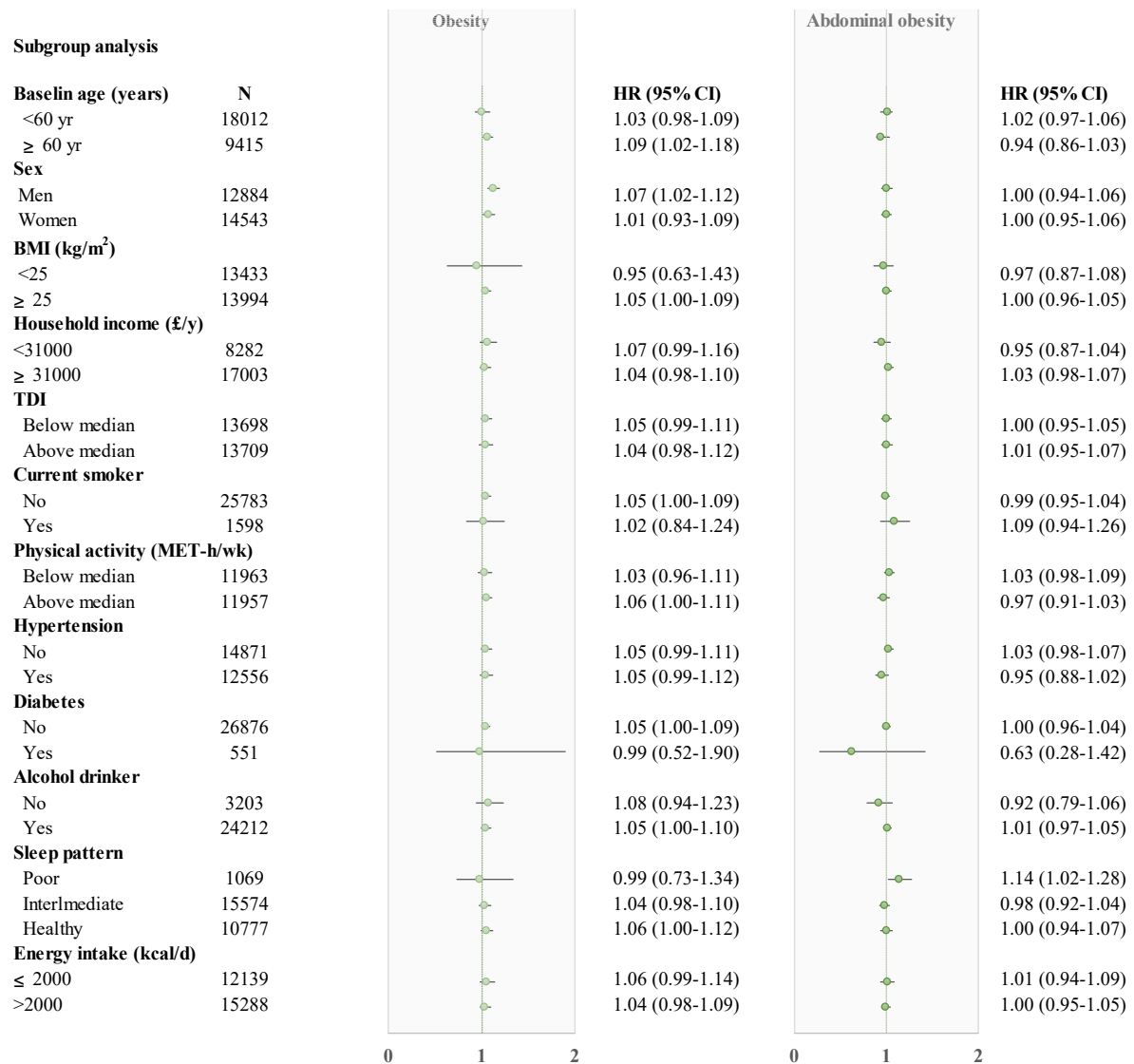


Figure S5. Association of fried white meat consumption and the risk of adiposity stratified by potential risk factors. HRs for the fried white meat consumption associated with obesity and abdominal obesity were adjusted for age, sex, race, centers, education, Townsend deprivation index, household income, smoking, alcohol consumption, physical activity, sleep pattern, energy intake, and BMI (for obesity) or WC (for abdominal obesity) at baseline.

Table S1. Characteristics of 940 obesity-associated SNPs in the UK Biobank

SNP	Chr	Position	Effect allele	Other allele	EAF	β
rs10733051	1	167280354	A	G	0.520	0.010
rs10754210	1	197012111	A	G	0.311	-0.012
rs10779751	1	11284336	A	G	0.274	0.014
rs10915840	1	225668524	A	G	0.283	-0.012
rs10920678	1	190239907	A	G	0.429	0.016
rs10923724	1	119546842	T	C	0.573	-0.012
rs11118308	1	219633869	A	G	0.530	0.010
rs11208662	1	65987164	C	G	0.088	0.021
rs11577179	1	155983710	A	G	0.372	-0.011
rs1158103	1	101024370	A	G	0.556	-0.009
rs11583122	1	38053458	T	C	0.079	0.018
rs11590474	1	174972588	T	C	0.792	-0.005
rs11803119	1	174002465	A	T	0.018	-0.001
rs12033257	1	112318484	A	G	0.617	0.015
rs12035149	1	107885018	C	G	0.777	-0.015
rs12035349	1	77557339	A	G	0.871	-0.019
rs12039524	1	173549827	A	G	0.175	0.001
rs12041258	1	195047936	T	C	0.771	0.015
rs12042908	1	74997762	A	G	0.436	0.018
rs12042959	1	243533273	A	G	0.850	0.014
rs12044597	1	1708801	A	G	0.497	-0.014
rs12564992	1	174478100	A	G	0.886	-0.020
rs12731372	1	118852975	T	C	0.232	0.012
rs17014375	1	209543560	T	G	0.865	-0.017
rs17302346	1	174983543	T	C	0.976	-0.020
rs1730859	1	107617707	A	G	0.658	-0.012
rs17391694	1	78623626	T	C	0.119	0.032
rs17448682	1	15966713	T	C	0.237	0.010
rs17531363	1	107977075	A	C	0.697	0.013
rs1973993	1	96943994	T	C	0.410	-0.021
rs2030342	1	97388226	T	C	0.575	0.014
rs2154297	1	80791708	T	C	0.712	-0.012
rs2275426	1	46487552	A	G	0.434	0.010
rs2282231	1	39569571	T	C	0.225	0.017
rs2356865	1	50836334	T	C	0.295	-0.011
rs2481665	1	62594677	T	C	0.559	0.016
rs2491864	1	242986063	A	G	0.215	0.014
rs2590942	1	72885281	T	G	0.817	0.029
rs2820311	1	201841476	A	G	0.663	-0.024
rs284227	1	82379446	T	C	0.745	-0.015
rs346722	1	45620134	T	C	0.115	-0.003
rs3753549	1	243722892	T	C	0.856	-0.020

rs3762396	1	19510394	A	G	0.385	0.007
rs3768486	1	110123971	A	G	0.824	-0.010
rs4372296	1	98320492	A	C	0.771	-0.013
rs4653017	1	33776728	T	C	0.682	0.012
rs543874	1	177889480	A	G	0.805	-0.048
rs6577584	1	6715390	T	G	0.654	-0.013
rs6587552	1	151018861	A	G	0.241	0.017
rs6681627	1	174126742	A	C	0.152	0.003
rs6690764	1	92976590	A	G	0.792	-0.015
rs6700816	1	174883994	A	T	0.968	0.035
rs6700838	1	47700027	T	C	0.596	-0.017
rs696606	1	16828640	A	G	0.524	0.010
rs7531118	1	72837239	T	C	0.460	-0.026
rs7531656	1	49828663	A	G	0.325	0.020
rs7535528	1	2444414	A	G	0.374	-0.015
rs7550711	1	110082886	T	C	0.031	0.065
rs7556169	1	8741401	A	G	0.386	-0.010
rs761423	1	17301672	T	C	0.550	0.011
rs785278	1	33307987	A	T	0.177	-0.016
rs823074	1	205774839	T	C	0.588	0.011
rs905938	1	154991389	T	C	0.733	-0.015
rs9077	1	202116238	A	G	0.330	-0.014
rs912768	1	173473713	C	G	0.402	0.004
rs9426003	1	34602870	A	G	0.295	-0.012
rs946526	1	46487168	T	C	0.043	-0.031
rs967605	1	23399932	T	C	0.833	-0.019
rs10168197	2	51834839	C	G	0.200	-0.011
rs10182181	2	25150296	A	G	0.525	-0.033
rs10190332	2	61619267	T	G	0.613	0.004
rs10203277	2	103496700	A	G	0.132	0.004
rs10211055	2	229016917	T	C	0.654	-0.016
rs10497807	2	198585087	C	G	0.520	-0.011
rs10929925	2	6155557	A	C	0.430	-0.014
rs10930641	2	175000711	A	G	0.591	-0.014
rs11889536	2	220163543	A	G	0.851	0.019
rs12479233	2	228891702	A	T	0.487	-0.012
rs12615778	2	102436738	A	G	0.694	0.010
rs12694021	2	206084372	A	C	0.448	0.011
rs12713433	2	61307982	T	C	0.793	0.009
rs12991989	2	199169278	C	G	0.519	0.004
rs13021737	2	632348	A	G	0.168	-0.057
rs13417156	2	62848319	T	C	0.564	-0.014
rs13432055	2	56603985	T	C	0.714	-0.012
rs1371108	2	81816251	A	C	0.325	0.012

rs1437929	2	211983316	A	G	0.288	0.014
rs1451533	2	105466005	A	G	0.273	0.017
rs16828086	2	151198990	C	G	0.617	0.010
rs17035438	2	46878616	A	G	0.094	0.020
rs17203016	2	208255518	A	G	0.804	-0.015
rs17327461	2	35512183	T	C	0.450	0.013
rs17551974	2	142293146	A	C	0.178	-0.014
rs2194385	2	50865334	A	C	0.479	0.009
rs2724861	2	471514	A	G	0.565	-0.009
rs2890652	2	142959931	T	C	0.824	-0.017
rs2902021	2	67825685	T	C	0.194	0.014
rs2974255	2	516696	A	G	0.229	0.009
rs3922853	2	5830599	A	C	0.173	0.012
rs4303732	2	100830040	T	C	0.603	0.014
rs4372836	2	28973883	T	C	0.303	0.014
rs453520	2	147907202	T	C	0.583	-0.015
rs4639527	2	416815	A	G	0.699	-0.017
rs4670626	2	37046657	T	C	0.357	-0.011
rs4671328	2	58935282	T	G	0.447	0.022
rs4671358	2	60164634	A	T	0.596	0.010
rs4673553	2	211608379	T	G	0.544	-0.014
rs4676084	2	110010962	A	G	0.410	0.010
rs4854326	2	603088	A	G	0.713	-0.002
rs6545714	2	59307725	A	G	0.614	-0.019
rs6548221	2	295255	A	G	0.225	0.015
rs6710871	2	143960593	A	G	0.142	0.018
rs6711584	2	104421692	A	G	0.454	0.013
rs6713781	2	40291940	C	G	0.414	-0.012
rs6720868	2	230663576	T	C	0.329	0.016
rs6738445	2	172599615	T	C	0.284	-0.013
rs6753170	2	58481863	T	C	0.373	-0.003
rs7425440	2	512490	T	C	0.194	0.010
rs7557796	2	86766153	T	C	0.348	0.016
rs7560871	2	145616899	A	G	0.073	0.022
rs7561278	2	48954905	T	C	0.786	0.016
rs7564679	2	204012790	A	G	0.428	-0.012
rs7598402	2	50735943	C	G	0.510	0.012
rs7599312	2	213413231	A	G	0.265	-0.019
rs7600699	2	156018263	C	G	0.842	-0.015
rs7601895	2	55281901	C	G	0.704	0.015
rs7607351	2	69562127	T	C	0.581	0.012
rs7607369	2	219279097	A	G	0.439	0.012
rs7607490	2	12851120	A	G	0.108	0.015
rs902695	2	113955074	A	G	0.480	-0.010

rs919433	2	198166565	A	G	0.359	0.004
rs929641	2	58792377	A	G	0.584	0.015
rs930295	2	50233352	A	C	0.158	0.021
rs934515	2	79482643	A	G	0.118	0.019
rs9630985	2	181607676	A	C	0.324	-0.018
rs968972	2	51171962	A	G	0.641	0.009
rs972540	2	207244783	A	G	0.727	-0.013
rs980329	2	60285100	T	C	0.752	-0.013
rs984902	2	81358877	A	T	0.885	0.011
rs993954	2	188325474	T	G	0.572	0.008
rs1014312	3	135621417	C	G	0.564	0.002
rs10460960	3	42308735	A	G	0.888	0.020
rs10510321	3	6009092	T	C	0.203	0.011
rs10511093	3	83763541	T	C	0.074	-0.023
rs10865858	3	34700713	T	C	0.598	0.009
rs10935143	3	134665159	A	G	0.454	-0.011
rs11128760	3	15873407	A	G	0.403	0.011
rs11711337	3	21794904	A	T	0.716	-0.010
rs11915371	3	70539559	A	C	0.796	-0.015
rs11929028	3	51754424	T	G	0.075	0.017
rs12488237	3	56114861	T	C	0.948	-0.024
rs12631248	3	50080174	C	G	0.922	-0.025
rs12637576	3	49237334	T	C	0.617	0.002
rs12638746	3	89331055	A	G	0.342	-0.009
rs13072095	3	193639623	T	C	0.666	0.010
rs13085472	3	171129859	T	C	0.348	0.010
rs13095652	3	51243837	T	C	0.438	-0.009
rs1320903	3	131758077	A	G	0.317	0.022
rs13321566	3	107342662	A	G	0.816	-0.014
rs1375561	3	85658230	T	C	0.654	0.017
rs1436343	3	104606130	A	G	0.408	-0.014
rs1452075	3	62481063	T	C	0.728	0.014
rs1454148	3	176341188	T	C	0.267	0.011
rs1454687	3	94038085	C	G	0.477	0.020
rs1554193	3	8138801	A	T	0.471	-0.010
rs1600136	3	136979939	A	C	0.806	-0.008
rs16823670	3	115071668	A	G	0.972	0.026
rs16851483	3	141275436	T	G	0.069	0.037
rs17080319	3	48732480	T	C	0.879	0.011
rs17199978	3	136056184	A	G	0.903	0.003
rs17681451	3	114399296	A	G	0.084	-0.020
rs181732	3	136744386	T	G	0.420	-0.002
rs1899951	3	12394840	T	C	0.131	0.017
rs1909586	3	124687767	T	G	0.598	-0.011

rs2047632	3	37153431	C	G	0.973	-0.025
rs2122042	3	85866335	T	G	0.206	0.024
rs2124499	3	123093541	C	G	0.372	-0.012
rs2230590	3	49936102	T	C	0.493	-0.024
rs2230929	3	49343175	A	G	0.169	-0.005
rs2236950	3	50420554	A	C	0.185	-0.008
rs2293605	3	184044433	T	C	0.131	-0.017
rs2365389	3	61236462	T	C	0.414	-0.017
rs262956	3	183486117	T	G	0.347	0.013
rs2680648	3	53777176	T	C	0.765	0.016
rs2710323	3	52815905	T	C	0.520	-0.014
rs28350	3	42418446	A	G	0.193	0.018
rs355777	3	154034950	C	G	0.411	0.015
rs3731544	3	48207997	A	C	0.071	0.021
rs3772934	3	115417865	T	C	0.283	0.010
rs3821841	3	52084040	T	C	0.080	-0.016
rs3849570	3	81792112	A	C	0.341	0.013
rs3915844	3	9514856	A	G	0.143	0.015
rs39654	3	173095123	A	G	0.445	-0.015
rs4273371	3	108119071	T	C	0.502	-0.012
rs4342060	3	137215820	T	C	0.809	-0.005
rs4624596	3	119571541	T	C	0.815	0.014
rs4678297	3	136907111	T	C	0.300	0.004
rs4858193	3	20441050	T	C	0.722	0.013
rs5396	3	170744815	T	C	0.724	-0.015
rs580438	3	13345450	T	C	0.332	0.011
rs6442021	3	46742019	T	C	0.396	-0.009
rs6442101	3	48130893	T	C	0.682	-0.012
rs6443750	3	181329682	T	C	0.193	-0.015
rs6551410	3	89442305	A	T	0.419	0.003
rs6764533	3	196088464	A	G	0.359	0.012
rs6767619	3	156893782	C	G	0.345	0.012
rs6786125	3	28727523	C	G	0.819	-0.012
rs6786582	3	135898984	T	C	0.726	-0.016
rs6803870	3	89443784	T	C	0.159	0.008
rs6804181	3	116937546	A	T	0.821	0.015
rs6804842	3	25106437	A	G	0.428	-0.016
rs7615297	3	156299313	C	G	0.854	0.015
rs7616371	3	137047387	A	G	0.932	-0.002
rs7640424	3	107820063	T	C	0.297	-0.014
rs775731	3	77624784	T	C	0.588	-0.011
rs827092	3	157985182	T	C	0.583	0.013
rs925018	3	62713143	C	G	0.677	-0.013
rs9289499	3	135484734	T	C	0.897	-0.003

rs9714342	3	90428286	T	C	0.423	-0.015
rs9809534	3	125189782	C	G	0.877	0.016
rs9814633	3	41310470	A	G	0.343	0.012
rs9816226	3	185834499	A	T	0.180	-0.032
rs9827072	3	51184893	A	G	0.124	-0.011
rs9832305	3	89392778	T	C	0.720	-0.007
rs9838283	3	50820486	A	G	0.798	0.016
rs9846123	3	49088112	T	C	0.354	-0.001
rs9881036	3	136845666	A	G	0.665	-0.004
rs1000096	4	38692835	T	C	0.380	-0.014
rs10938397	4	45182527	A	G	0.568	-0.032
rs11736228	4	147376805	A	T	0.741	0.014
rs11945861	4	65700865	A	G	0.237	-0.015
rs1296328	4	137083193	A	C	0.434	0.018
rs13107325	4	103188709	T	C	0.074	0.047
rs13110266	4	162129844	A	G	0.407	-0.012
rs1323068	4	20263058	A	G	0.321	-0.011
rs1345148	4	30843533	T	C	0.603	-0.011
rs1403846	4	119101723	T	C	0.828	0.012
rs1455137	4	145986668	A	C	0.620	-0.011
rs1477887	4	18514827	A	G	0.457	-0.014
rs1492767	4	55221467	T	C	0.496	0.009
rs1522569	4	171632637	T	G	0.818	0.016
rs17538472	4	163038241	T	C	0.191	0.013
rs1866510	4	44514468	T	C	0.350	-0.011
rs1903579	4	91253956	C	G	0.550	0.011
rs2192158	4	55505360	A	G	0.460	0.013
rs2768950	4	49064487	A	G	0.251	0.012
rs2850969	4	102183594	T	C	0.857	-0.017
rs326889	4	112713436	T	C	0.393	-0.013
rs331949	4	143663206	T	C	0.627	-0.011
rs4148155	4	89054667	A	G	0.887	0.019
rs4524456	4	6492739	A	G	0.524	-0.009
rs4864201	4	130731284	T	C	0.353	0.014
rs6448587	4	28561990	A	C	0.811	0.017
rs6818414	4	16600664	T	C	0.508	-0.010
rs6827083	4	153075491	A	G	0.569	-0.010
rs6843738	4	103936001	A	G	0.329	-0.011
rs711347	4	52926216	A	T	0.749	-0.012
rs7377083	4	102708997	A	C	0.436	0.020
rs7674623	4	80794681	T	C	0.198	0.014
rs7683836	4	180167906	A	G	0.541	-0.011
rs7692088	4	10491040	C	G	0.525	0.007
rs7694732	4	115124089	A	G	0.562	0.010

rs769674	4	140881964	A	T	0.678	0.014
rs925421	4	60253877	A	G	0.266	0.012
rs9291467	4	25428296	T	C	0.463	0.014
rs10035289	5	153095918	A	G	0.474	0.009
rs10037047	5	88219964	A	G	0.835	-0.006
rs10066835	5	151254297	T	C	0.016	0.043
rs1014194	5	168192944	A	C	0.643	0.010
rs12189178	5	50914726	T	C	0.038	0.036
rs12514473	5	80818639	T	C	0.769	0.017
rs12655756	5	88858208	A	T	0.370	0.014
rs12659802	5	152274478	A	G	0.705	0.009
rs13163306	5	136571959	A	G	0.475	-0.009
rs13174863	5	139080745	A	G	0.845	-0.019
rs13175892	5	87866793	T	C	0.976	-0.022
rs1423627	5	87125578	T	C	0.779	0.006
rs159032	5	94206202	T	C	0.244	0.013
rs160401	5	138061341	T	C	0.695	0.006
rs1650586	5	157516393	T	G	0.098	0.013
rs17056301	5	158271680	T	C	0.736	-0.012
rs17285919	5	86908920	T	C	0.126	0.000
rs174415	5	95933162	A	T	0.525	0.000
rs17525725	5	167293652	A	G	0.454	-0.008
rs17591778	5	86420392	A	G	0.233	0.008
rs186543	5	86754835	C	G	0.565	-0.008
rs2098618	5	87934851	A	T	0.071	-0.010
rs2190788	5	144484261	T	G	0.311	0.014
rs2304607	5	87988733	A	G	0.852	-0.032
rs2307111	5	75003678	T	C	0.604	0.027
rs2367112	5	64168193	T	G	0.508	0.012
rs248139	5	167352783	A	G	0.193	0.013
rs254428	5	141777439	T	G	0.580	0.008
rs25832	5	66175682	A	G	0.732	0.012
rs2611742	5	95856501	T	C	0.596	-0.015
rs329124	5	133865452	A	G	0.577	0.013
rs368863	5	77372852	T	C	0.239	-0.012
rs3822683	5	96080883	A	G	0.781	0.015
rs3844598	5	140992235	A	G	0.479	-0.010
rs40067	5	107439012	A	G	0.171	-0.027
rs4518345	5	27185904	A	G	0.284	-0.012
rs4643949	5	138372345	T	C	0.367	0.000
rs4916661	5	87932809	T	G	0.362	-0.003
rs6235	5	95728898	C	G	0.730	-0.018
rs6449531	5	60712212	A	G	0.354	-0.013
rs6595205	5	119372533	C	G	0.470	0.011

rs6877851	5	130356413	C	G	0.235	-0.013
rs6879326	5	59208302	T	C	0.495	-0.010
rs6888159	5	63932234	C	G	0.683	0.011
rs710355	5	87159003	C	G	0.055	-0.007
rs7444298	5	87730027	A	G	0.754	0.018
rs7702514	5	86727027	T	C	0.173	-0.002
rs7710595	5	106506697	A	C	0.534	0.010
rs7711753	5	122733317	A	G	0.436	-0.013
rs7715256	5	153537893	T	G	0.578	-0.017
rs7716275	5	137631073	T	G	0.193	-0.013
rs7727781	5	165185571	T	C	0.521	0.010
rs7730004	5	43191033	T	C	0.669	0.015
rs7730898	5	170459675	A	G	0.729	0.017
rs1020548	6	56810539	A	G	0.834	-0.013
rs10456637	6	50763935	A	T	0.741	0.013
rs10499276	6	154309808	T	C	0.124	0.017
rs11753081	6	20705590	T	G	0.825	0.014
rs11756653	6	50054296	C	G	0.907	-0.005
rs1178060	6	50914343	A	G	0.847	0.019
rs12207241	6	57642076	A	G	0.617	-0.008
rs12215331	6	34644749	T	C	0.786	0.018
rs1266922	6	51822297	A	G	0.688	0.001
rs13191362	6	163033350	A	G	0.880	0.024
rs13201877	6	137675541	A	G	0.860	-0.015
rs13203153	6	97374850	A	G	0.186	-0.012
rs13203286	6	49837540	T	G	0.060	-0.005
rs13207082	6	27251379	A	G	0.916	-0.012
rs13209753	6	86354442	A	G	0.939	-0.018
rs13209872	6	97753223	C	G	0.340	-0.015
rs13209968	6	126089285	C	G	0.518	0.011
rs1324110	6	93913200	C	G	0.439	-0.010
rs1358808	6	51825285	C	G	0.674	-0.014
rs1475774	6	35619554	A	G	0.023	0.026
rs1503139	6	54724405	A	G	0.346	-0.006
rs156151	6	104799007	C	G	0.191	-0.017
rs17542466	6	35614744	A	G	0.772	0.005
rs17739298	6	27293049	C	G	0.895	0.010
rs17757975	6	38214150	T	C	0.852	0.014
rs1853639	6	87606842	A	G	0.636	-0.011
rs200968	6	27859568	T	C	0.836	-0.003
rs2033529	6	40348653	A	G	0.706	-0.021
rs2140418	6	34975415	T	C	0.200	0.011
rs2185027	6	153381622	A	C	0.703	-0.014
rs2228213	6	12124855	A	G	0.348	-0.014

rs2252300	6	51096424	A	T	0.208	-0.005
rs2295896	6	50566383	A	G	0.760	-0.002
rs2357760	6	120213880	A	G	0.675	0.015
rs2397061	6	51638877	T	C	0.885	-0.009
rs2504674	6	51160682	C	G	0.434	-0.011
rs2635727	6	50820940	T	C	0.254	-0.028
rs2653365	6	55169801	T	C	0.832	-0.012
rs2781668	6	131897278	T	C	0.161	0.017
rs2814992	6	34617144	A	G	0.660	-0.025
rs2842385	6	19078274	A	G	0.802	-0.012
rs2875762	6	124925032	C	G	0.247	0.014
rs3734572	6	28059458	T	C	0.954	-0.017
rs3800229	6	108996963	T	G	0.712	0.018
rs3807049	6	35512955	T	C	0.274	-0.004
rs3819299	6	31322367	T	G	0.907	0.019
rs419261	6	33554147	T	C	0.404	0.011
rs4278019	6	53693410	A	T	0.282	0.011
rs4339513	6	57964315	T	C	0.903	-0.002
rs4383818	6	50756951	T	G	0.795	0.009
rs487060	6	160774459	T	C	0.482	0.011
rs498240	6	31892592	A	G	0.066	-0.027
rs6459326	6	58060143	C	G	0.173	0.001
rs6569648	6	130349119	T	C	0.773	-0.013
rs6900723	6	23876240	T	C	0.676	-0.011
rs6904676	6	58705746	A	C	0.201	0.008
rs6908295	6	27527205	A	C	0.798	-0.006
rs6919443	6	104493098	A	G	0.416	-0.010
rs6921533	6	73742334	T	C	0.288	0.012
rs6922214	6	69968484	A	G	0.843	-0.012
rs6922855	6	51843542	A	G	0.532	0.000
rs6938239	6	34683635	A	G	0.850	-0.027
rs760880	6	27408181	T	G	0.636	-0.003
rs765332	6	51874745	T	G	0.889	-0.012
rs7748777	6	41133806	A	G	0.459	0.011
rs7760082	6	21919387	A	G	0.665	-0.012
rs816364	6	53990465	A	G	0.639	-0.010
rs820077	6	35033854	A	G	0.809	-0.006
rs847747	6	40080069	T	G	0.296	-0.011
rs853679	6	28296863	A	C	0.141	0.013
rs901630	6	98539519	T	C	0.397	-0.015
rs926279	6	58298846	A	G	0.709	-0.004
rs9294260	6	83433228	A	G	0.473	0.015
rs9349239	6	42676480	A	G	0.492	0.012
rs9362662	6	90296588	A	G	0.480	0.011

rs9367368	6	13189275	T	C	0.697	0.012
rs9370042	6	51546123	C	G	0.122	0.004
rs9394312	6	35672330	C	G	0.492	0.011
rs9396763	6	9952059	A	C	0.220	0.009
rs9460306	6	19211776	T	C	0.091	0.014
rs9463175	6	9510030	T	C	0.348	-0.011
rs9470086	6	35709678	A	C	0.017	0.024
rs9475173	6	55013291	A	G	0.654	0.011
rs9688431	6	73922654	T	C	0.940	0.023
rs987237	6	50803050	A	G	0.820	-0.041
rs998584	6	43757896	A	C	0.478	-0.013
rs10268050	7	44522617	T	C	0.795	-0.011
rs10269783	7	49616203	A	G	0.390	0.013
rs10275044	7	1273845	A	T	0.208	-0.013
rs1035010	7	69598328	T	C	0.257	0.014
rs1048365	7	100804430	T	C	0.155	0.014
rs10953620	7	109173373	A	C	0.517	-0.010
rs11496125	7	103417557	T	C	0.421	0.017
rs11773362	7	147668180	T	C	0.337	-0.011
rs11971041	7	26698848	A	G	0.906	-0.021
rs1229057	7	39054538	T	C	0.122	0.017
rs12666574	7	26526960	A	G	0.651	0.010
rs12705987	7	114349212	A	T	0.404	0.014
rs13227433	7	74094721	T	G	0.744	-0.016
rs13227658	7	113353254	T	C	0.553	-0.016
rs13240600	7	99064466	A	G	0.845	0.020
rs13247665	7	93232057	T	C	0.641	-0.014
rs1544459	7	77417584	T	C	0.546	-0.010
rs1593304	7	131619847	A	G	0.199	0.013
rs17207196	7	75101065	T	C	0.412	-0.022
rs1814170	7	138794149	A	T	0.895	0.020
rs1852006	7	77829768	A	G	0.352	-0.016
rs1899689	7	121964349	T	C	0.399	0.012
rs215632	7	32368524	A	G	0.362	0.015
rs2283093	7	126721231	T	C	0.207	0.013
rs329277	7	35080931	T	G	0.521	-0.010
rs3800649	7	137424509	A	G	0.277	0.012
rs3807566	7	50564204	T	G	0.443	-0.013
rs40245	7	21470536	A	T	0.359	0.011
rs411717	7	94033031	T	C	0.440	-0.007
rs4307239	7	24354300	A	G	0.542	-0.012
rs4718966	7	70040558	T	C	0.418	0.013
rs4722398	7	3125220	T	C	0.134	0.016
rs4722672	7	27231762	T	C	0.815	-0.015

rs4725984	7	150668514	T	C	0.359	-0.013
rs6461115	7	2103668	A	G	0.772	0.014
rs6463489	7	5542513	T	C	0.109	0.016
rs6963840	7	78144371	T	C	0.211	0.015
rs6968554	7	17287106	A	G	0.360	-0.010
rs740157	7	77055885	A	G	0.432	0.012
rs7777102	7	73058017	A	G	0.871	-0.013
rs7779498	7	130408415	T	C	0.039	-0.025
rs7784465	7	6418275	T	C	0.861	-0.016
rs7796608	7	897847	A	G	0.827	0.012
rs7805441	7	78121458	T	C	0.509	0.011
rs799449	7	44784697	T	C	0.551	0.013
rs849135	7	28196413	A	G	0.491	0.011
rs874454	7	131896813	A	G	0.338	-0.008
rs972283	7	130466854	A	G	0.485	0.010
rs993931	7	71888157	A	G	0.599	-0.006
rs10110727	8	14324437	A	G	0.293	0.014
rs10955841	8	118946541	A	G	0.669	0.010
rs11250076	8	10647823	A	G	0.439	0.018
rs11781222	8	23389571	T	C	0.871	0.016
rs11781699	8	118863061	T	C	0.810	-0.013
rs11783247	8	10788875	T	C	0.538	-0.017
rs11987383	8	15197115	A	C	0.880	-0.015
rs12458	8	11617240	A	T	0.687	0.002
rs12675063	8	132879047	A	T	0.887	-0.016
rs12680842	8	95582606	A	G	0.680	0.013
rs12682565	8	10626280	A	G	0.037	0.023
rs13263601	8	14095900	A	C	0.652	-0.015
rs1362910	8	30856464	A	G	0.419	0.012
rs1394	8	9511654	A	G	0.640	-0.015
rs1399054	8	9785503	A	G	0.799	-0.010
rs1405348	8	77228222	A	G	0.432	-0.020
rs1431659	8	73439070	A	G	0.266	0.020
rs1594830	8	26334167	C	G	0.788	-0.011
rs1658820	8	4288577	T	G	0.247	0.014
rs16906845	8	138215228	A	G	0.067	-0.023
rs16907751	8	81375457	T	C	0.105	-0.021
rs16932761	8	67202787	A	G	0.254	-0.014
rs1700137	8	89461609	T	C	0.312	-0.012
rs17069831	8	4137396	T	C	0.280	-0.011
rs17446091	8	27167942	T	C	0.793	-0.012
rs1982441	8	28021769	T	G	0.138	0.018
rs2100814	8	28118130	A	G	0.410	0.011
rs2170382	8	74689288	T	C	0.120	0.017

rs2409730	8	11060638	A	C	0.370	-0.009
rs2543132	8	15536311	C	G	0.813	0.015
rs2634047	8	85696337	C	G	0.242	-0.015
rs2721965	8	116662038	A	C	0.667	0.017
rs3134353	8	101947453	A	T	0.387	-0.013
rs3808434	8	116559435	A	G	0.448	0.011
rs4076358	8	144910239	A	G	0.621	0.009
rs4366093	8	20639811	T	C	0.320	-0.012
rs4737183	8	64720693	A	G	0.530	0.011
rs4841659	8	11828200	T	C	0.479	0.015
rs497417	8	9790041	A	T	0.786	-0.005
rs7006629	8	87519542	T	C	0.526	0.011
rs733594	8	85077686	T	C	0.718	0.014
rs7827182	8	8380471	C	G	0.495	0.018
rs7832003	8	10782004	C	G	0.180	-0.006
rs7844647	8	34503776	T	C	0.732	0.012
rs881301	8	38332318	T	C	0.582	-0.010
rs903959	8	142630782	A	T	0.397	0.011
rs9657542	8	10864363	C	G	0.364	-0.005
rs10118701	9	103061366	A	G	0.677	-0.016
rs10797115	9	92191256	T	C	0.537	0.012
rs10818810	9	126096522	A	G	0.391	0.013
rs10818938	9	127049237	A	G	0.422	0.011
rs10867256	9	81367391	T	C	0.553	-0.012
rs10962549	9	16719445	T	C	0.168	0.020
rs10971712	9	33820938	T	C	0.108	-0.020
rs10989568	9	104396304	A	G	0.462	0.011
rs11790280	9	14651283	T	C	0.614	-0.010
rs13290794	9	37183628	A	G	0.358	-0.014
rs13292976	9	129467340	T	C	0.446	0.013
rs1412235	9	28410996	C	G	0.318	0.025
rs17351791	9	83263089	A	C	0.635	0.010
rs17820822	9	11831420	T	G	0.645	0.014
rs1865341	9	8845911	T	C	0.758	0.013
rs1928295	9	120378483	T	C	0.554	0.014
rs2174307	9	73791849	C	G	0.407	0.012
rs3739555	9	129940416	T	G	0.807	0.011
rs3739733	9	88897891	A	G	0.780	0.013
rs3829849	9	129390800	T	C	0.359	0.010
rs3902840	9	129419025	A	G	0.086	0.022
rs450231	9	101481205	A	G	0.753	-0.013
rs4515655	9	128616073	T	C	0.401	-0.007
rs4740383	9	133783566	A	G	0.416	0.013
rs4744275	9	96482633	A	G	0.266	0.014

rs483752	9	27612918	T	C	0.742	0.012
rs6474945	9	15670492	T	G	0.450	-0.019
rs6477694	9	111932342	T	C	0.644	-0.012
rs7024334	9	109072075	T	G	0.226	0.014
rs7042372	9	6959840	A	G	0.657	0.012
rs7865157	9	122631560	T	C	0.107	0.018
rs7869771	9	94180627	A	C	0.735	0.014
rs7871866	9	131027982	C	G	0.153	0.019
rs7874154	9	27777012	T	C	0.502	-0.013
rs10883553	10	102635475	A	C	0.451	0.012
rs10883759	10	104412049	A	G	0.302	-0.012
rs10886017	10	118672531	A	C	0.252	0.015
rs10887578	10	88096047	C	G	0.490	0.013
rs11190661	10	102452136	T	C	0.315	0.001
rs11251352	10	2585792	A	G	0.401	-0.011
rs12098284	10	76047464	T	C	0.124	0.018
rs12411886	10	104685299	A	C	0.083	0.027
rs12776880	10	19776828	A	T	0.683	0.013
rs17094222	10	102395440	T	C	0.796	-0.018
rs1712517	10	105033015	T	C	0.468	-0.003
rs17636031	10	126594078	T	C	0.730	-0.016
rs1937684	10	53680085	A	T	0.659	0.011
rs1983864	10	100017453	T	G	0.667	0.016
rs2163188	10	65314711	C	G	0.474	0.013
rs2631681	10	93032943	T	C	0.325	-0.011
rs3781099	10	27318776	T	C	0.082	0.021
rs3851083	10	33862727	A	G	0.433	-0.010
rs577525	10	99769388	T	C	0.432	-0.017
rs7083450	10	103984060	T	C	0.839	0.016
rs7084454	10	21821274	A	G	0.335	0.019
rs7893571	10	16750129	T	G	0.662	0.014
rs7899106	10	87410904	A	G	0.952	-0.033
rs7903146	10	114758349	T	C	0.291	-0.018
rs793520	10	99032375	A	G	0.323	0.011
rs845084	10	125220036	A	G	0.268	0.014
rs9419958	10	105675946	T	C	0.136	-0.013
rs9787495	10	103206115	A	G	0.437	-0.010
rs1003081	11	118913993	T	C	0.450	0.012
rs1037587	11	11796727	T	C	0.454	0.011
rs10459012	11	55091574	A	C	0.224	0.008
rs1048932	11	115044850	A	C	0.416	-0.016
rs10769165	11	45706453	T	C	0.523	-0.007
rs10830452	11	89966202	A	G	0.671	-0.011
rs10832778	11	17394073	C	G	0.378	-0.013

rs10838122	11	43551416	T	C	0.480	-0.011
rs10838852	11	48286256	T	C	0.563	0.005
rs10839472	11	49994823	T	C	0.766	0.004
rs10840606	11	2234690	A	G	0.826	-0.016
rs11030385	11	28629115	A	G	0.395	-0.008
rs11039014	11	46895378	A	G	0.774	0.000
rs11231548	11	55686588	A	G	0.987	-0.028
rs11600990	11	64082807	T	C	0.157	-0.018
rs12364470	11	134601012	T	G	0.837	-0.018
rs12417072	11	115623272	A	G	0.885	-0.015
rs12420725	11	117017530	A	G	0.941	-0.023
rs12574668	11	46422686	A	C	0.179	0.013
rs12575252	11	8694073	C	G	0.351	-0.018
rs12577642	11	43728534	A	T	0.686	-0.021
rs1452134	11	86133416	T	C	0.542	-0.009
rs1473579	11	48901553	A	G	0.412	-0.003
rs1552717	11	29158495	A	T	0.865	0.015
rs1625427	11	131957293	T	C	0.650	0.013
rs17197116	11	46520302	T	C	0.914	-0.005
rs1782507	11	30243868	T	G	0.653	-0.014
rs1789165	11	69481969	A	G	0.639	0.014
rs1943477	11	56973793	T	C	0.058	-0.020
rs223051	11	32131303	T	C	0.676	0.011
rs2440885	11	70563286	A	G	0.533	0.009
rs2605603	11	93221105	A	G	0.489	-0.010
rs2612203	11	54914689	A	G	0.035	0.016
rs3134438	11	122765667	A	C	0.286	0.011
rs329651	11	133767622	T	G	0.806	0.016
rs3802924	11	133827733	A	C	0.800	0.009
rs4542429	11	56446833	T	C	0.484	-0.006
rs4936175	11	132641959	T	C	0.556	-0.012
rs4936671	11	121942512	C	G	0.367	0.011
rs4939051	11	56206141	C	G	0.789	-0.001
rs524281	11	65886662	A	C	0.759	-0.009
rs551137	11	55323307	T	C	0.256	0.004
rs573455	11	117267884	A	G	0.453	-0.009
rs587230	11	69299771	A	G	0.165	0.015
rs6265	11	27679916	T	C	0.195	-0.041
rs7102454	11	65594820	T	C	0.657	-0.016
rs7117238	11	78040259	A	G	0.168	-0.013
rs7120873	11	49459474	T	C	0.111	0.017
rs7122539	11	66662731	A	G	0.342	-0.007
rs7123876	11	72444583	T	C	0.754	-0.012
rs7124442	11	27677041	T	C	0.683	-0.029

rs7124681	11	47529947	A	C	0.413	0.026
rs7131262	11	47836302	A	T	0.261	-0.022
rs719802	11	113234679	T	C	0.380	0.010
rs7478904	11	48630323	T	C	0.128	-0.009
rs7924371	11	49620595	T	C	0.557	-0.004
rs7941030	11	122522375	T	C	0.614	-0.011
rs7948120	11	28763321	T	C	0.260	-0.013
rs900144	11	13294268	T	C	0.567	0.017
rs9332817	11	118365210	C	G	0.026	-0.038
rs10744146	12	17212881	A	G	0.515	-0.012
rs10745785	12	97586257	T	C	0.667	-0.011
rs10772055	12	33379440	C	G	0.866	-0.017
rs10773049	12	124506631	T	C	0.598	-0.012
rs10840674	12	17360254	A	G	0.694	-0.009
rs10842240	12	24060075	C	G	0.116	0.022
rs10850031	12	112771063	T	G	0.720	-0.008
rs10876418	12	39428802	T	C	0.233	-0.012
rs10878946	12	69642315	T	C	0.714	-0.014
rs11066301	12	112871372	A	G	0.566	0.011
rs11115176	12	82465797	T	C	0.760	0.012
rs11172702	12	39982413	A	G	0.923	0.014
rs11611246	12	939480	T	G	0.210	0.024
rs11611496	12	108413828	A	G	0.222	-0.017
rs12306932	12	38242029	T	C	0.511	-0.001
rs12369009	12	112019799	T	G	0.797	-0.002
rs12422552	12	14413931	C	G	0.266	-0.013
rs1558236	12	111780998	C	G	0.973	-0.008
rs17096549	12	38529333	A	G	0.976	0.021
rs17608150	12	110046698	T	C	0.075	0.020
rs1819844	12	68205604	A	G	0.180	0.014
rs2240108	12	48180508	T	C	0.151	-0.013
rs2429150	12	2152655	A	C	0.584	-0.011
rs2467110	12	23067302	T	C	0.270	-0.010
rs2731222	12	90595383	A	C	0.270	0.013
rs2733287	12	41880909	A	C	0.517	-0.016
rs3809272	12	111800258	A	G	0.284	0.006
rs3887080	12	121661966	A	G	0.121	0.018
rs4077093	12	51593616	T	G	0.217	0.013
rs4759073	12	54653258	A	G	0.401	-0.012
rs4759228	12	56508409	C	G	0.297	-0.016
rs4764949	12	103658096	A	G	0.664	0.018
rs4766710	12	114437708	A	G	0.936	0.023
rs621042	12	18789007	A	C	0.451	-0.011
rs6490055	12	111768973	A	G	0.767	-0.007

rs651548	12	99560183	A	G	0.368	0.014
rs6580755	12	39159190	T	C	0.433	-0.002
rs6606686	12	110903380	C	G	0.690	-0.014
rs7133378	12	124409502	A	G	0.327	0.013
rs7134375	12	20473758	A	C	0.434	0.008
rs7138803	12	50247468	A	G	0.377	0.030
rs7313924	12	89899912	C	G	0.714	0.010
rs7958206	12	39329294	A	G	0.402	0.001
rs7965658	12	49987929	A	G	0.200	-0.002
rs7968230	12	133481917	A	G	0.323	0.013
rs7973955	12	118409640	A	G	0.285	-0.013
rs7975187	12	60964108	A	G	0.793	-0.013
rs884282	12	117579274	T	C	0.575	-0.009
rs1006353	13	28047269	A	G	0.249	0.013
rs1045411	13	31033232	T	C	0.265	-0.015
rs10467530	13	54694130	C	G	0.137	0.015
rs1218822	13	28011963	A	G	0.666	0.017
rs12429545	13	54102206	A	G	0.125	0.032
rs1333423	13	59425111	A	T	0.225	0.017
rs1668633	13	78371890	T	C	0.574	0.010
rs1927790	13	96922191	T	C	0.589	-0.015
rs2479958	13	111984244	A	G	0.493	0.015
rs629443	13	76386075	T	G	0.250	0.012
rs7334078	13	99120484	T	C	0.712	0.012
rs892261	13	65884191	T	C	0.443	-0.010
rs9507983	13	28620036	T	C	0.607	-0.016
rs9527706	13	58402479	A	G	0.729	-0.012
rs9530843	13	79563749	A	C	0.556	0.013
rs9538141	13	59178258	A	G	0.509	0.016
rs9540493	13	66205704	A	G	0.442	0.014
rs9544915	13	36230485	T	C	0.860	0.014
rs9554263	13	28681228	C	G	0.769	-0.011
rs9571687	13	67472713	A	C	0.329	-0.013
rs9595908	13	33184288	T	C	0.628	0.016
rs9603697	13	40783323	T	C	0.319	0.014
rs10131890	14	97258752	A	C	0.950	-0.022
rs10132280	14	25928179	A	C	0.302	-0.022
rs10146527	14	79499850	T	C	0.636	0.014
rs11844682	14	65910844	C	G	0.661	-0.010
rs1205106	14	72269668	A	G	0.542	-0.008
rs12147845	14	101144596	T	C	0.114	0.020
rs12587412	14	47272423	T	G	0.490	0.015
rs12885454	14	29736838	A	C	0.343	-0.019
rs12888545	14	88308044	A	G	0.748	-0.014

rs17096552	14	98626578	A	G	0.136	-0.015
rs17105272	14	77529783	T	C	0.319	0.011
rs17522122	14	33302882	T	G	0.481	0.016
rs1951455	14	91512339	T	C	0.275	-0.015
rs1956151	14	40101060	A	G	0.821	-0.013
rs2003616	14	79903993	T	G	0.288	0.005
rs2010281	14	103862322	A	G	0.355	-0.016
rs2160077	14	92428410	A	G	0.429	0.009
rs217671	14	62360464	A	G	0.728	-0.014
rs2412107	14	65426216	T	G	0.208	0.011
rs3803286	14	103246470	A	G	0.343	0.018
rs3850422	14	99671788	A	G	0.446	-0.011
rs3902951	14	69789755	T	G	0.755	-0.013
rs4981693	14	29680331	A	G	0.771	0.021
rs7144011	14	79940383	T	G	0.214	0.028
rs7147503	14	101539384	T	C	0.370	-0.012
rs799132	14	82684748	A	T	0.221	-0.011
rs8016771	14	102649451	T	G	0.912	-0.019
rs8016859	14	30484722	C	G	0.040	0.035
rs9806058	14	35673470	A	T	0.877	0.016
rs10519151	15	77156899	A	T	0.067	-0.010
rs11259933	15	84580156	A	G	0.523	-0.007
rs11629783	15	66741387	C	G	0.769	0.015
rs11635675	15	63793238	T	G	0.647	0.012
rs11855853	15	78012618	T	C	0.265	-0.015
rs12101393	15	92570921	C	G	0.780	0.013
rs12148386	15	77254544	T	C	0.458	-0.005
rs12439798	15	46584787	T	G	0.423	0.013
rs12593036	15	81058652	A	G	0.701	0.015
rs12595158	15	62316035	T	C	0.024	-0.039
rs12595749	15	79432359	A	G	0.571	0.014
rs12902742	15	83647483	A	T	0.091	0.014
rs13329567	15	68104367	T	C	0.231	-0.029
rs150353	15	89928189	T	G	0.556	-0.010
rs1657930	15	57120989	A	G	0.803	-0.012
rs16951319	15	68103632	T	C	0.134	-0.007
rs17238110	15	62150364	A	G	0.837	0.035
rs2459359	15	76863838	C	G	0.948	0.009
rs2593280	15	76150965	A	G	0.852	0.011
rs316611	15	41751678	T	C	0.255	0.010
rs340025	15	60908307	T	C	0.428	-0.012
rs3736485	15	51748610	A	G	0.456	0.013
rs403656	15	76755506	A	G	0.850	0.009
rs4284600	15	31843528	T	C	0.529	-0.012

rs4886506	15	77207277	T	G	0.695	-0.001
rs4886869	15	77799657	A	G	0.395	-0.010
rs4906908	15	27040082	T	G	0.475	-0.010
rs6494481	15	64849904	T	G	0.119	0.012
rs6495252	15	78117685	T	C	0.383	0.010
rs7164727	15	73093991	T	C	0.681	0.018
rs7181498	15	95271404	T	C	0.369	0.016
rs7181610	15	35826859	A	T	0.859	0.015
rs8024932	15	77915282	T	G	0.893	0.009
rs8033510	15	61445514	T	C	0.371	0.011
rs8036040	15	36402716	A	C	0.493	0.011
rs10083803	16	6701400	T	C	0.261	-0.013
rs10500548	16	69174141	T	C	0.058	0.019
rs1057452	16	29833714	A	G	0.037	0.017
rs11074446	16	20255123	T	C	0.869	0.023
rs11075489	16	62803841	T	C	0.483	-0.011
rs11075986	16	53805344	C	G	0.915	0.032
rs11642001	16	71899586	A	G	0.212	-0.014
rs11866815	16	387867	T	C	0.246	-0.016
rs12443621	16	52548037	A	G	0.533	-0.010
rs12446632	16	19935389	A	G	0.142	-0.035
rs12448257	16	3599655	A	G	0.218	0.018
rs12448738	16	56489343	A	C	0.863	-0.017
rs12920590	16	67420603	T	C	0.648	-0.003
rs12922346	16	82438337	C	G	0.266	0.014
rs1549293	16	31141993	T	C	0.360	-0.020
rs1564981	16	50986308	A	G	0.458	0.009
rs16952479	16	53770578	A	T	0.946	-0.015
rs17795934	16	51926509	T	C	0.298	-0.009
rs1862451	16	24803620	A	G	0.731	0.014
rs2075205	16	54153099	A	T	0.587	0.011
rs2080454	16	49062590	A	C	0.621	-0.013
rs2307022	16	68381978	A	G	0.334	0.014
rs2516739	16	2097158	A	G	0.217	-0.016
rs2534760	16	6509009	A	T	0.706	-0.010
rs2863981	16	68295598	A	G	0.410	0.008
rs3751813	16	53818708	T	G	0.541	0.060
rs3794702	16	3730613	A	T	0.196	0.004
rs3814883	16	29994922	T	C	0.476	0.023
rs4783241	16	82650384	C	G	0.494	-0.011
rs4985155	16	15129459	A	G	0.663	0.012
rs6564360	16	76779612	A	G	0.810	-0.014
rs7187776	16	28857645	A	G	0.593	-0.027
rs7195386	16	24578458	T	C	0.501	0.013

rs7200919	16	67316600	A	G	0.413	0.010
rs7206608	16	82872628	C	G	0.685	-0.013
rs756717	16	72996162	A	G	0.397	-0.015
rs7919	16	70514828	A	C	0.450	-0.016
rs8046061	16	80752293	T	C	0.550	0.009
rs8047395	16	53798523	A	G	0.506	0.064
rs825680	16	73606563	A	T	0.583	0.010
rs868554	16	20050466	C	G	0.754	-0.019
rs879620	16	4015729	T	C	0.618	0.023
rs889398	16	69556715	T	C	0.425	-0.020
rs907011	16	54234492	T	G	0.703	0.010
rs952159	16	71965915	A	G	0.335	0.000
rs977540	16	9724750	A	G	0.762	0.014
rs9922708	16	53831146	T	C	0.432	0.069
rs9927848	16	23833071	A	C	0.733	-0.012
rs9931164	16	53825238	A	G	0.982	0.025
rs9931407	16	67290155	T	C	0.967	-0.001
rs9931967	16	20375351	T	G	0.508	0.016
rs1000940	17	5283252	A	G	0.701	-0.015
rs1038088	17	28074563	T	G	0.492	-0.012
rs1048775	17	79202329	C	G	0.480	0.006
rs10515050	17	51923847	T	C	0.415	-0.008
rs1075901	17	15943910	T	C	0.436	-0.012
rs1106908	17	34942595	A	G	0.441	-0.016
rs11079849	17	47090785	T	C	0.320	-0.019
rs12453418	17	31747629	A	G	0.653	-0.010
rs12602912	17	65870073	T	C	0.205	0.018
rs1285245	17	77796889	C	G	0.367	-0.012
rs12939549	17	78611724	A	G	0.567	0.018
rs16966801	17	39573713	A	G	0.798	-0.016
rs17681708	17	9792872	T	C	0.688	-0.011
rs208015	17	46252346	T	C	0.078	0.036
rs2537847	17	65694355	A	G	0.244	-0.011
rs2619976	17	71754545	T	C	0.413	0.010
rs4516268	17	1846831	A	C	0.193	-0.022
rs4796243	17	35057883	A	G	0.303	-0.012
rs4889782	17	78640510	T	C	0.603	-0.015
rs4969387	17	79081724	C	G	0.746	-0.015
rs4986044	17	21261560	T	C	0.469	-0.016
rs7209235	17	73759552	A	G	0.695	-0.011
rs7211567	17	31460899	T	C	0.220	-0.015
rs7217226	17	2136065	T	G	0.640	-0.013
rs757608	17	59497277	A	G	0.338	-0.009
rs8067737	17	29349688	T	C	0.110	0.017

rs8069296	17	42935059	T	C	0.793	-0.010
rs8070454	17	38160754	T	C	0.387	-0.010
rs8071182	17	55336155	A	G	0.174	0.013
rs8075273	17	61728881	A	C	0.282	-0.013
rs8079034	17	5412361	T	C	0.188	0.010
rs8081039	17	75995829	T	C	0.057	0.023
rs886444	17	46051911	A	G	0.396	-0.010
rs9299	17	46669430	T	C	0.647	0.012
rs9905991	17	80052073	A	G	0.448	0.010
rs10438964	18	42950629	T	C	0.276	-0.013
rs11150911	18	73498528	A	C	0.281	0.013
rs11659764	18	53335512	A	T	0.053	-0.025
rs12327272	18	57726627	A	G	0.114	0.005
rs1241986	18	6873954	A	G	0.848	-0.014
rs12964689	18	21116998	A	G	0.518	0.020
rs1365466	18	36182440	T	C	0.741	-0.014
rs1498139	18	51478026	A	C	0.727	0.011
rs1608445	18	947954	A	G	0.435	-0.010
rs16965062	18	31581247	T	C	0.430	0.009
rs1787267	18	76742544	C	G	0.063	-0.024
rs1791253	18	37103550	T	G	0.063	0.019
rs1941697	18	31251276	A	G	0.454	0.012
rs1942866	18	57741783	C	G	0.624	-0.031
rs2000746	18	57677294	A	G	0.734	0.018
rs2012927	18	63297672	A	G	0.335	0.013
rs2229616	18	58039276	T	C	0.020	-0.106
rs273697	18	23178748	A	G	0.478	-0.010
rs555267	18	40992698	T	G	0.330	0.013
rs663129	18	57838401	A	G	0.230	0.055
rs7239114	18	45921214	A	G	0.540	0.012
rs7243357	18	56883319	T	G	0.827	0.019
rs8087550	18	58371566	A	C	0.492	0.000
rs8089514	18	69224478	A	T	0.359	0.013
rs8092503	18	52479487	A	G	0.769	-0.017
rs8094523	18	57878155	A	G	0.080	-0.031
rs8095404	18	57804346	A	T	0.544	-0.026
rs8097544	18	1839564	A	G	0.848	-0.020
rs954018	18	42598463	A	G	0.305	-0.013
rs9675376	18	57969244	A	G	0.288	0.035
rs9951893	18	60739250	T	C	0.525	-0.012
rs9961813	18	57853056	A	C	0.913	0.013
rs10408013	19	33963766	T	C	0.291	0.011
rs11668301	19	31016196	A	G	0.848	0.021
rs11672660	19	46180184	T	C	0.205	-0.034

rs12609744	19	12994140	T	C	0.693	-0.013
rs17724992	19	18454825	A	G	0.740	0.018
rs2075650	19	45395619	A	G	0.861	0.024
rs2304130	19	19789528	A	G	0.915	0.018
rs273504	19	18215247	A	G	0.573	-0.015
rs2866816	19	30683879	T	C	0.739	0.013
rs29938	19	34311481	T	C	0.328	-0.015
rs3810291	19	47569003	A	G	0.670	0.027
rs3826705	19	42637232	T	C	0.879	-0.016
rs757318	19	18820308	A	C	0.481	-0.019
rs8102137	19	30296853	T	C	0.676	-0.019
rs895330	19	4060707	C	G	0.808	0.020
rs998732	19	19378671	A	G	0.842	0.017
rs1015362	20	32738612	T	C	0.287	-0.004
rs1015363	20	32738335	A	G	0.556	-0.002
rs1040881	20	15099816	T	C	0.674	0.011
rs12480713	20	15801600	T	C	0.564	0.007
rs12625413	20	62380542	T	C	0.655	-0.008
rs13041173	20	32542814	A	G	0.659	-0.011
rs13045538	20	33595525	T	C	0.960	-0.009
rs143384	20	34025756	A	G	0.589	-0.001
rs1512065	20	53453326	A	G	0.237	0.014
rs17091470	20	32606299	T	G	0.925	0.002
rs17806379	20	51107290	T	C	0.179	-0.026
rs1884389	20	1410582	T	C	0.429	-0.010
rs1884897	20	6612832	A	G	0.369	-0.019
rs2143253	20	41987392	A	G	0.119	-0.019
rs2386802	20	25971327	A	C	0.668	-0.004
rs2425241	20	35018412	T	C	0.067	-0.020
rs2425857	20	44914134	A	G	0.441	0.012
rs293566	20	31097877	T	C	0.653	-0.002
rs310618	20	62127121	T	C	0.671	-0.011
rs3746429	20	33703607	T	C	0.173	0.011
rs4814512	20	16564210	A	C	0.782	0.013
rs559267	20	54157497	A	G	0.664	-0.012
rs6011457	20	61530915	A	T	0.498	-0.012
rs6019482	20	47495560	T	C	0.165	-0.018
rs6058635	20	30891925	C	G	0.435	-0.001
rs6060151	20	33594226	T	G	0.632	0.003
rs6061162	20	29893501	T	C	0.913	0.008
rs6076348	20	25401827	A	G	0.692	-0.001
rs6088529	20	33170752	A	C	0.342	0.001
rs6088943	20	34420023	A	T	0.939	0.011
rs6121381	20	30785593	A	T	0.847	-0.015

rs6132918	20	26073030	T	C	0.823	-0.011
rs6138482	20	25059442	T	C	0.197	0.015
rs6142096	20	32686658	A	G	0.528	0.014
rs676749	20	3026069	A	T	0.502	-0.010
rs753010	20	29857455	C	G	0.949	-0.009
rs8121840	20	30504530	A	G	0.493	0.009
rs8123881	20	15819495	A	G	0.870	-0.020
rs816533	20	26256565	A	G	0.962	-0.017
rs8567	20	62522315	A	G	0.523	-0.009
rs13047416	21	40309436	C	G	0.623	0.015
rs2836961	21	40627020	A	C	0.617	-0.010
rs2838006	21	42653567	T	C	0.362	-0.013
rs427943	21	46570896	A	C	0.433	-0.017
rs762147	21	39238610	A	G	0.271	-0.012
rs9979651	21	34153330	C	G	0.929	-0.017
rs4820408	22	40604945	T	G	0.408	0.015
rs5750913	22	40640285	A	G	0.754	-0.001
rs9615905	22	48875699	T	C	0.450	0.011

Chr=chromosome.

Effect allele is the one associated with high risk of obesity; and other is the reference allele. Each SNP's relative effect size β was obtained from the ancestry-specific analysis of Europeans in the latest Genome-wide multi-ethnic meta-analysis.

Table S2. Diet component definitions used in the AMED score

Components	Criteria for minimum score of 0	Criteria for maximum score of 1	Field IDs
Fruit	Less than median intake	Greater than median intake	100190,100200 (Fruit juice) 1004410-104590 (Whole fruit and dried fruit)
Vegetable	Less than median intake	Greater than median intake	104060-104380 (All vegetables except potatoes and beans) 104000, 104010, 104110, 104120, 104280 (Beans)
Legumes	Less than median intake	Greater than median intake	103270 (Tofu) 104000, 104010, 104110, 104120, 104280 (Beans)
Whole grains	Less than median intake	Greater than median intake	100770, 100830, 100840, 100850, 102720, 102740, 102780 (Cereal) 100810, 101260 (Oat) 100950, 101020, 101090, 101160 (Bread) 20091-20094 (Type of bread)
Nuts	Less than median intake	Greater than median intake	102410-102450 (Peanut, nuts, seeds)
Fish	Less than median intake	Greater than median intake	103150-103230 (Fish and seafood)
Red and processed meats	Greater than median intake	Less than median intake	103010 (Sausage), 103070 (Bacon), 103080 (Ham)
Ratio of monounsaturated to saturated fat	Less than median intake	Greater than median intake	100004 (Fat), 100007 (Polyunsaturated fat), 100006 (Saturated fat)
Ethanol	<5 or >25 g	5–25 g/d	100022 (Alcohol)
Total score	0	9	□

Table S3. Basic characteristics of participants from UK Biobank according to fried potato consumption or fried white consumption

□ Characteristics	Fried potato intake (serving/day)				□ Characteristics	Fried white meat intake (serving/day)			
	0	0-1	1-1.5	≥1.5		0	0-0.5	0.5-1	≥1
N	12,782	10,651	3089	905	N	23,590	2025	1087	725
Male (%)	43.3	47.3	56.9	60.7	Male (%)	46.0	52.7	53.4	53.4
race (%)					race (%)				
White	96.9	97.3	97.3	97.0	White	97.1	97.4	97.2	96.3
Non-white	2.9	2.4	2.5	2.8	Non-white	2.7	2.4	2.5	3.3
Age (year)	55.8	55.4	53.7	51.9	Age (year)	55.3 ±7.6	55.2	54.9	54.0
	±7.4	±7.6	±7.8	±7.9			±7.6	±7.6	±7.7
BMI (kg/m²)	24.9	25.0	25.3	25.4	BMI (kg/m²)	25.0 ±2.7	25.1	25.1	25.4
	±2.7	±2.6	±2.6	±2.6			±2.7	±2.7	±2.7
Physical activity (MET-h/wk)	42.1	40.1	41.5	42.0	Physical activity (MET-h/wk)	41.3	39.3	41.5	44.0
	±39.1	±37.6	±41.3	±42.5		±38.8	±37.4	±40.5	±44.8
SBP (mmHg)	136.5	136.9	136.1	135.1	SBP (mmHg)	136.5	137.2	136.6	135.9
	±19.2	±19.0	±18.5	±17.2		±19.1	±18.7	±17.6	±18.8
DBP (mmHg)	80.2	80.7	80.9	80.7	DBP (mmHg)	80.4	80.9	81.2	80.5
	±10.3	±10.3	±10.7	±10.2		±10.3	±10.4	±10.4	±10.6
Blood glucose (mmol/L)	5.0	5.0	4.9	4.9	Blood glucose (mmol/L)	5.0 ±0.9	5.0	4.9	4.9
	±0.8	±0.8	±0.9	±0.9			±0.8	±0.7	±1.0
Household income (£) (%)†					Household income (£) (%)†				
< 18,000	10.4	9.5	8.9	9.5	< 18,000	9.7	11.1	10.9	9.1
18,000 to 30,999	20.1	20.9	19.8	19.3	18,000 to 30,999	20.5	19.5	20.6	18.8
31,000 to 51,999	27.2	27.9	29.9	30.5	31,000 to 51,999	27.7	28.3	27.4	30.6
52,000 to 100,000	26.5	26.4	27.3	27.9	52,000 to 100,000	26.7	26.0	24.7	26.5

> 100,000	7.7	8.0	6.0	5.2	> 100,000	7.6	7.7	6.7	7.0
Education					Education				
College or University degree	53.5	52.6	44.7	41.7	College or University degree	52.0	53.4	48.4	44.7
Vocational qualifications	9.0	9.5	10.2	10.8	Vocational qualifications	9.3	9.1	10.6	11.3
Optional national exams at ages 17-18 years	13.1	13.5	13.2	13.7	Optional national exams at ages 17-18 years	13.3	13.3	13.4	12.0
National exams at age 16 years	19.8	19.9	25.7	29.4	National exams at age 16 years	20.7	19.5	22.5	25.5
Others	4.5	4.3	6.0	4.0	Others	4.5	4.6	4.7	6.3
Townsend deprivation index‡	-2.0 ±2.7	-2.1 ±2.6	-2.1 ±2.7	-2.0 ±2.6	Townsend deprivation index‡	-2.0 ±2.7	-2.1 ±2.6	-1.9 ±2.7	-2.0 ±2.7
Smoking (%)					Smoking (%)				
Never	63.7	62.2	58.3	60.2	Never	62.0	65.5	64.7	63.2
Previous	30.9	32.1	33.7	29.7	Previous	32.1	28.9	29.3	28.4
Current	5.3	5.5	7.7	9.6	Current	5.8	5.4	5.5	8.1
Alcohol drinking (%)					Alcohol drinking (%)				
Never or special occasions only	23.2	20.5	20.1	22.5	Never or special occasions only	21.6	23.0	22.5	23.5
1 to 3 times/month	25.1	24.6	25.0	25.4	1 to 3 times/month	24.8	25.7	25.9	25.0
1 or 2 times/week	29.0	29.7	30.4	26.7	1 or 2 times/week	29.6	27.8	27.6	29.9
3 or 4 times/week	22.6	25.1	24.4	25.2	3 or 4 times/week	24.0	23.5	23.9	21.7
Sleep pattern					Sleep pattern				
Poor	4.0	3.4	4.9	4.9	Poor	3.8	3.7	4.3	5.7
Intermediate	56.5	56.6	57.7	60.2	Intermediate	56.7	57.3	57.9	57.1
Healthy	39.5	40.0	37.4	34.8	Healthy	39.5	39.1	37.6	37.2
History of hypertension (%)	45.25	47	44.77	42.32	History of hypertension	45.64	47.8	45.72	44.83

History of diabetes (%)	1.9	2.0	2.3	2.3	History of diabetes (%)	2.1	2.0	1.5	1.2
Mediterranean Diet Score	4.0	4.3	3.4	3.3	Mediterranean Diet Score	4.0 ±1.9	4.4	4.4	4.0
	±1.9	±1.8	±1.7	±1.7			±1.7	±1.7	±1.8
Energy intake	8456.7	9072.6	9978.6	11384.4	Energy intake	8915.0	9122.2	9193.1	9768.7
	±2488.	±2189.	±2639.	±3055.		±2514.9	±2192.	±2335.	±3012.
	3	9	2	6			9	6	1
Vitamin use (%)	33.1	30.3	31.6	29.7	Vitamin use (%)	31.8	30.6	31.0	32.3
Mineral use (%)	14.4	12.2	10.5	10.1	Mineral use (%)	13.0	12.4	13.0	10.5

†£1.00=\$1.30, or €1.20.

‡The Townsend deprivation index (TDI) was an indicator of material deprivation that was calculated based on non-home ownership, non-car ownership, unemployment, and household over-crowding.

Table S4. Multivariable-adjusted HRs (95% CIs) for the associations of fried potato with obesity incidence

	Fried potato (serving/day)				P-trend	per 1-SD	P value
	0	0-1	1-1.5	≥1.5			
N	12,782	10,651	3089	905			
Obesity case	627	553	200	92			
Model 1†	1.00 (Ref.)	1.09 (0.97-1.22)	1.31 (1.11-1.53)	2.06 (1.65-2.57)	<0.001	1.15 (1.10-1.20)	<0.001
Model 2‡	1.00 (Ref.)	1.11 (0.98-1.24)	1.12 (0.95-1.32)	1.59 (1.26-2.00)	<0.001	1.08 (1.03-1.13)	0.003
Model 3§	1.00 (Ref.)	1.06 (0.94-1.19)	1.07 (0.90-1.26)	1.45 (1.15-1.82)	0.015	1.05 (1.00-1.10)	0.045
Abdominal obesity case	1277	1111	363	142			
Model 1†	1.00 (Ref.)	1.14 (1.05-1.23)	1.36 (1.21-1.53)	2.02 (1.70-2.41)	<0.001	1.16 (1.13-1.20)	<0.001
Model 2‡	1.00 (Ref.)	1.11 (1.03-1.21)	1.18 (1.04-1.33)	1.63 (1.36-1.95)	<0.001	1.10 (1.06-1.14)	<0.001
Model 3§	1.00 (Ref.)	1.06 (0.97-1.15)	1.10 (0.98-1.25)	1.49 (1.24-1.79)	<0.001	1.07 (1.03-1.11)	<0.001
Case for having a ≥5% BMI increase	2410	2024	688	262			
Model 1†	1.00 (Ref.)	1.04 (0.98-1.11)	1.20 (1.10-1.31)	1.60 (1.40-1.81)	<0.001	1.10 (1.07-1.13)	<0.001
Model 2‡	1.00 (Ref.)	1.04 (0.97-1.10)	1.08 (0.99-1.18)	1.32 (1.16-1.51)	<0.001	1.05 (1.02-1.08)	<0.001
Model 3§	1.00 (Ref.)	1.04 (0.98-1.10)	1.09 (0.99-1.19)	1.33 (1.17-1.52)	<0.001	1.05 (1.03-1.08)	<0.001
Case for having a ≥5% WC increase¶	4177	3401	1080	343			
Model 1†	1.00 (Ref.)	1.03 (0.99-1.08)	1.16 (1.09-1.25)	1.32 (1.18-1.48)	<0.001	1.07 (1.05-1.09)	<0.001
Model 2‡	1.00 (Ref.)	1.02 (0.97-1.07)	1.07 (1.00-1.14)	1.17 (1.04-1.31)	0.008	1.03 (1.01-1.05)	0.010
Model 3§	1.00 (Ref.)	1.04 (0.99-1.09)	1.10 (1.02-1.18)	1.23 (1.10-1.38)	<0.001	1.04 (1.02-1.07)	<0.001
Case for having a ≥5% BF% increase 	5912	5095	1583	497			
Model 1†	1.00 (Ref.)	1.07 (1.03-1.11)	1.09 (1.03-1.15)	1.18 (1.07-1.29)	<0.001	1.04 (1.02-1.06)	<0.001
Model 2‡	1.00 (Ref.)	1.04 (1.00-1.08)	0.99 (0.94-1.05)	1.03 (0.93-1.13)	0.497	1.00 (0.98-1.02)	0.924
Model 3§	1.00 (Ref.)	1.06 (1.02-1.10)	1.02 (0.97-1.09)	1.08 (0.98-1.18)	0.039	1.01 (1.00-1.03)	0.145

BMI=body mass index, WC=waist circumference, BF=body fat, HRs=hazard ratios, CIs= confidence intervals.

Cox proportional hazards regression analyses were used to calculate the HRs and 95% CIs.

*P-trend was obtained by including the categories of fried food intake as a continuous variable in the model.

†Model 1 was adjusted for age (continuous) and sex (male or female).

‡Model 2 was further adjusted for race (white or non-white), centers (22 categories), education (college or university degree, vocational qualifications, optional national exams at ages 17–18 years, national exams at age 16 years, others, or missing), Townsend deprivation index (quartiles), household income (<£18,000, £18,000-£30,999, £31,000-£51,999, £52,000-£100,000, >£100,000, or missing), smoking (never, former, current, or missing), alcohol consumption (never or special occasions only, 1 or 2 times/week, 3 or 4 times/week, ≥5 times/week, or missing), physical activity (quartiles), sleep pattern (poor, medium, healthy), Mediterranean diet score (quartiles), fried white meat intake, other fried food and energy intake (quartiles).

§ Model 3 was further adjusted for baseline BMI (in kg/m²; <18.5, 18.5 to 25, 25 to 30) for obesity or adjusted for baseline BMI (in kg/m²; <18.5, 18.5 to 25, 25 to 30) and WC (quartiles) for abdominal obesity.

¶ Excluding 3 participants without data of WC at baseline or follow-up duration.

|| Excluding 710 participants without data of BF% at baseline or follow-up duration.

Table S5. Multivariable-adjusted HRs (95% CIs) for the associations of fried white meat with obesity incidence

	Fried white meat (serving/day)				P-trend	per 1-SD	P value
	0	0-0.5	0.5-1.0	≥1.0			
N	23,590	2025	1087	725			
Obesity case	1244	113	63	52			
Model 1†	1.00 (Ref.)	1.15 (0.95-1.39)	1.11 (0.86-1.43)	1.39 (1.06-1.84)	0.011	1.05 (1.01-1.08)	0.018
Model 2‡	1.00 (Ref.)	1.16 (0.95-1.41)	1.10 (0.85-1.42)	1.25 (0.95-1.66)	0.048	1.08 (1.03-1.13)	0.107
Model 3§	1.00 (Ref.)	1.11 (0.91-1.35)	1.13 (0.87-1.47)	1.17 (0.88-1.55)	0.110	1.05 (1.00-1.10)	0.092
Abdominal obesity case	2493	208	117	75			
Model 1†	1.00 (Ref.)	1.11 (0.96-1.27)	1.11 (0.92-1.34)	1.13 (0.90-1.42)	0.070	1.03 (0.99-1.06)	0.131
Model 2‡	1.00 (Ref.)	1.07 (0.93-1.24)	1.03 (0.85-1.24)	0.98 (0.78-1.24)	0.737	1.00 (0.97-1.04)	0.883
Model 3§	1.00 (Ref.)	1.04 (0.90-1.20)	1.08 (0.89-1.30)	0.85 (0.67-1.08)	0.671	0.99 (0.95-1.03)	0.565
Case for having a ≥5% BMI increase	4620	383	225	156			
Model 1†	1.00 (Ref.)	1.07 (0.96-1.18)	1.07 (0.94-1.23)	1.16 (0.99-1.36)	0.025	1.02 (1.00-1.05)	0.059
Model 2‡	1.00 (Ref.)	1.06 (0.95-1.18)	1.04 (0.91-1.20)	1.09 (0.92-1.28)	0.165	1.01 (0.99-1.04)	0.270
Model 3§	1.00 (Ref.)	1.06 (0.95-1.18)	1.04 (0.91-1.20)	1.09 (0.93-1.28)	0.155	1.01 (0.99-1.04)	0.257
Case for having a ≥5% WC increase¶	7771	663	343	224			
Model 1†	1.00 (Ref.)	1.12 (1.03-1.21)	0.99 (0.89-1.10)	0.99 (0.87-1.14)	0.475	1.00 (0.98-1.02)	0.940
Model 2‡	1.00 (Ref.)	1.11 (1.03-1.21)	0.93 (0.83-1.03)	0.96 (0.84-1.10)	0.704	0.99 (0.97-1.01)	0.351
Model 3§	1.00 (Ref.)	1.12 (1.03-1.21)	0.94 (0.84-1.05)	1.01 (0.88-1.16)	0.742	1.00 (0.98-1.02)	0.646
Case for having a ≥5% BF% increase 	11,214	990	520	363			
Model 1†	1.00 (Ref.)	1.13 (1.06-1.21)	0.99 (0.91-1.08)	1.09 (0.98-1.21)	0.023	1.01 (0.99-1.02)	0.297
Model 2‡	1.00 (Ref.)	1.11 (1.04-1.19)	0.96 (0.88-1.05)	1.07 (0.97-1.19)	0.156	1.00 (0.99-1.02)	0.769
Model 3§	1.00 (Ref.)	1.13 (1.06-1.21)	0.96 (0.88-1.04)	1.10 (0.99-1.22)	0.085	1.00 (0.99-1.02)	0.613

BMI=body mass index, WC=waist circumference, BF=body fat, HRs=hazard ratios, CIs= confidence intervals.

Cox proportional hazards regression analyses were used to calculate the HRs and 95% CIs.

*P-trend was obtained by including the categories of fried food intake as a continuous variable in the model.

†Model 1 was adjusted for age (continuous) and sex (male or female).

‡Model 2 was further adjusted for race (white or non-white), centers (22 categories), education (college or university degree, vocational qualifications, optional national exams at ages 17–18 years, national exams at age 16 years, others, or missing), Townsend deprivation index (quartiles), household income (<£18,000, £18,000-£30,999, £31,000-£51,999, £52,000-£100,000, >£100,000, or missing), smoking (never, former, current, or missing), alcohol consumption (never or special occasions only, 1 or 2 times/week, 3 or 4 times/week, ≥5 times/week, or missing), physical activity (quartiles), sleep pattern (poor, medium, healthy), Mediterranean diet score (quartiles), fried white meat intake, other fried food and energy intake (quartiles).

§ Model 3 was further adjusted for baseline BMI (in kg/m²; <18.5, 18.5 to 25, 25 to 30) for obesity or adjusted for baseline BMI (in kg/m²; <18.5, 18.5 to 25, 25 to 30) and WC (quartiles) for abdominal obesity.

¶ Excluding 3 participants without data of WC at baseline or follow-up duration.

|| Excluding 710 participants without data of BF% at baseline or follow-up duration.

Table S6. Multivariable Hazard Ratios (95% CIs) of fried food consumption and obesity incidence from sensitivity analyses.

	Fried food intake (serving/day)				P-trend*	P for 1SD
	0	0-1	1-1.5	≥1.5		
Further adjustment for hypertension at baseline						
No of participants	10,232	10,408	4191	2596		
No of obesity (%)	499 (4.9)	527 (5.1)	244 (5.8)	202 (7.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.10 (0.97-1.25)	1.05 (0.90-1.23)	1.31 (1.11-1.56)	0.009	1.06 (1.01-1.11)
No of abdominal obesity (%)	1019 (10.0)	1074 (10.3)	467 (11.1)	333 (12.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (1.00-1.19)	1.05 (0.94-1.17)	1.28 (1.12-1.45)	0.002	1.05 (1.02-1.09)
Further adjustment for diabetes at baseline						
No of participants	10,232	10,408	4191	2596		
No of obesity (%)	499 (4.9)	527 (5.1)	244 (5.8)	202 (7.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.10 (0.97-1.25)	1.06 (0.91-1.24)	1.32 (1.11-1.57)	0.008	1.06 (1.01-1.11)
No of abdominal obesity (%)	1019 (10.0)	1074 (10.3)	467 (11.1)	333 (12.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (1.00-1.19)	1.05 (0.94-1.17)	1.28 (1.12-1.45)	0.002	1.05 (1.02-1.09)
Further adjustment for vitamin or mineral supplementary						
No of participants	10,232	10,408	4191	2596		
No of obesity (%)	499 (4.9)	527 (5.1)	244 (5.8)	202 (7.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.10 (0.97-1.24)	1.06 (0.90-1.24)	1.31 (1.11-1.56)	0.008	1.06 (1.01-1.11)
No of abdominal obesity (%)	1019 (10.0)	1074 (10.3)	467 (11.1)	333 (12.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (1.00-1.19)	1.05 (0.94-1.17)	1.28 (1.12-1.46)	0.002	1.05 (1.02-1.09)
Further adjustment for time being sedentary						
No of participants	10,232	10,408	4191	2596		
No of obesity (%)	499 (4.9)	527 (5.1)	244 (5.8)	202 (7.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (0.96-1.23)	1.05 (0.90-1.23)	1.29 (1.09-1.54)	0.014	1.06 (1.01-1.11)
No of abdominal obesity (%)	1019 (10.0)	1074 (10.3)	467 (11.1)	333 (12.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (1.00-1.19)	1.04 (0.93-1.16)	1.27 (1.11-1.44)	0.003	1.05 (1.01-1.09)

Further adjustment for lifestyle changes‡

No of participants	10,232	10,408	4191	2596		
No of obesity (%)	499 (4.9)	527 (5.1)	244 (5.8)	202 (7.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.08 (0.95-1.22)	1.04 (0.89-1.22)	1.28 (1.08-1.52)	0.019	1.05 (1.00-1.10)
No of abdominal obesity (%)	1019 (10.0)	1074 (10.3)	467 (11.1)	333 (12.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.08 (0.99-1.18)	1.04 (0.93-1.17)	1.27 (1.11-1.44)	0.003	1.05 (1.01-1.09)

Excluding extreme lower BMI (≤ 15 kg/m²)

No of participants	10,231	10,408	4191	2596		
No of obesity (%)	499 (4.9)	527 (5.1)	244 (5.8)	202 (7.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.10 (0.97-1.24)	1.06 (0.90-1.24)	1.31 (1.11-1.56)	0.008	1.06 (1.01-1.11)
No of abdominal obesity (%)	1019 (10.0)	1074 (10.3)	467 (11.1)	333 (12.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (1.00-1.19)	1.05 (0.94-1.17)	1.28 (1.12-1.45)	0.002	1.05 (1.02-1.09)

Excluding extreme energy intake¶

No of participants	10,162	10,350	4145	2520		
No of obesity (%)	495 (4.9)	522 (5.0)	243 (5.9)	197 (7.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.10 (0.97-1.24)	1.07 (0.91-1.25)	1.32 (1.11-1.57)	0.007	1.06 (1.01-1.11)
No of abdominal obesity (%)	1015 (10.0)	1065 (10.3)	462 (11.2)	322 (12.8)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (1.00-1.19)	1.06 (0.94-1.18)	1.26 (1.10-1.43)	0.003	1.05 (1.01-1.09)

Excluding participants with missing covariate data

No of participants	8242	8471	3395	2122		
No of obesity (%)	390 (4.7)	438 (5.2)	196 (5.8)	167 (7.9)		
Multivariable-adjusted model†	1.00 (Ref.)	1.15 (1.00-1.33)	1.08 (0.91-1.29)	1.41 (1.17-1.71)	0.003	1.07 (1.01-1.13)
No of abdominal obesity (%)	802 (9.7)	849 (10.0)	382 (11.3)	278 (13.1)		
Multivariable-adjusted model†	1.00 (Ref.)	1.08 (0.97-1.19)	1.09 (0.96-1.24)	1.29 (1.12-1.49)	0.001	1.06 (1.02-1.10)

Excluding participants with cardiometabolic diseases during follow-up||

No of participants	9587	9787	3909	2433		
No of obesity (%)	453 (4.7)	496 (5.1)	223 (5.7)	187 (7.7)		

Multivariable-adjusted model†	1.00 (Ref.)	1.12 (0.98-1.27)	1.07 (0.91-1.26)	1.35 (1.13-1.62)	0.005	1.09 (1.02-1.16)
No of abdominal obesity (%)	933 (9.7)	1003 (10.3)	434 (11.1)	304 (12.5)		
Multivariable-adjusted model‡	1.00 (Ref.)	1.08 (0.99-1.18)	1.07 (0.95-1.20)	1.27 (1.11-1.46)	0.002	1.07 (1.02-1.13)

Cox proportional hazards regression analyses were used to calculate the HRs and 95% CIs.

* P-trend was obtained by including the categories of fried food intake as a continuous variable in the model.

† The multivariable model was adjusted for age, sex, race, centers, BMI, household income, Townsend deprivation index, smoking, alcohol consumption, physical activity, history of hypertension, history of hyper cholesterol, family history of cardiovascular disease, family history of diabetes, vitamin supplement use, mineral supplement use, aspirin use, and diabetes duration.

‡ Lifestyle includes smoking status, alcohol consumption frequency, physical activity, and sleep pattern.

¶ Extreme energy intake was <800 or >4200 kcal/d for men and <600 or >3500 kcal/d for women.

|| Cardiometabolic diseases include type 2 diabetes, coronary heart disease, and stroke.

Table S7. Multivariable Hazard Ratios (95% CIs) of fried potato consumption and obesity incidence from sensitivity analyses.

□	Fried potato intake (serving/day)				P-trend*	P for 1-SD
	0	0-1	1-1.5	≥1.5		
Further adjustment for hypertension at baseline						
No of participants	12,782	10,651	3089	905		
No of obesity (%)	627 (4.9)	553 (5.2)	200 (6.5)	92 (10.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (0.96-1.24)	1.09 (0.91-1.31)	1.51 (1.18-1.94)	0.007	1.06 (1.01-1.12)
No of abdominal obesity (%)	1277 (10.0)	1111 (10.4)	363 (11.8)	142 (15.7)		
Multivariable-adjusted model†	1.00 (Ref.)	1.07 (0.98-1.18)	1.12 (0.99-1.28)	1.61 (1.33-1.95)	<0.001	1.09 (1.05-1.13)
Further adjustment for diabetes at baseline						
No of participants	12,782	10,651	3089	905		
No of obesity (%)	627 (4.9)	553 (5.2)	200 (6.5)	92 (10.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (0.96-1.24)	1.10 (0.92-1.32)	1.49 (1.16-1.92)	0.008	1.06 (1.01-1.11)
No of abdominal obesity (%)	1277 (10.0)	1111 (10.4)	363 (11.8)	142 (15.7)		
Multivariable-adjusted model†	1.00 (Ref.)	1.07 (0.98-1.18)	1.12 (0.98-1.28)	1.61 (1.33-1.94)	<0.001	1.09 (1.05-1.13)
Further adjustment for vitamin or mineral supplementary						
No of participants	12,782	10,651	3089	905		
No of obesity (%)	627 (4.9)	553 (5.2)	200 (6.5)	92 (10.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (0.96-1.24)	1.10 (0.92-1.32)	1.49 (1.16-1.91)	0.008	1.06 (1.01-1.11)
No of abdominal obesity (%)	1277 (10.0)	1111 (10.4)	363 (11.8)	142 (15.7)		
Multivariable-adjusted model†	1.00 (Ref.)	1.08 (0.98-1.18)	1.12 (0.98-1.28)	1.61 (1.33-1.95)	<0.001	1.09 (1.05-1.13)
Further adjustment for time being sedentary						
No of participants	12,782	10,651	3089	905		
No of obesity (%)	627 (4.9)	553 (5.2)	200 (6.5)	92 (10.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.08 (0.95-1.23)	1.09 (0.91-1.30)	1.46 (1.14-1.88)	0.013	1.05 (1.00-1.11)
No of abdominal obesity (%)	1277 (10.0)	1111 (10.4)	363 (11.8)	142 (15.7)		
Multivariable-adjusted model†	1.00 (Ref.)	1.07 (0.98-1.17)	1.12 (0.98-1.27)	1.59 (1.31-1.92)	<0.001	1.09 (1.05-1.13)

Further adjustment for lifestyle change‡

No of participants	12,782	10,651	3089	905		
No of obesity (%)	627 (4.9)	553 (5.2)	200 (6.5)	92 (10.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.05 (0.93-1.18)	1.07 (0.90-1.26)	1.42 (1.12-1.79)	0.021	1.04 (1.00-1.10)
No of abdominal obesity (%)	1277 (10.0)	1111 (10.4)	363 (11.8)	142 (15.7)		
Multivariable-adjusted model†	1.00 (Ref.)	1.05 (0.97-1.14)	1.11 (0.98-1.25)	1.51 (1.25-1.81)	<0.001	1.07 (1.03-1.11)

Excluding extreme lower BMI (≤ 15 kg/m²)

No of participants	12,781	10,651	3089	905		
No of obesity (%)	627 (4.9)	553 (5.2)	200 (6.5)	92 (10.2)	0.008	1.06 (1.01-1.11)
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (0.96-1.24)	1.10 (0.92-1.32)	1.49 (1.16-1.91)		
No of abdominal obesity (%)	1277 (10.0)	1111 (10.4)	363 (11.8)	142 (15.7)		
Multivariable-adjusted model†	1.00 (Ref.)	1.07 (0.98-1.18)	1.12 (0.98-1.28)	1.61 (1.33-1.94)	<0.001	1.09 (1.05-1.13)

Excluding extreme energy intake¶

No of participants	12,672	10,595	3044	866		
No of obesity (%)	620 (4.9)	549 (5.2)	199 (6.5)	89 (10.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.09 (0.96-1.24)	1.12 (0.93-1.34)	1.52 (1.18-1.96)	0.005	1.06 (1.01-1.12)
No of abdominal obesity (%)	1268 (10.0)	1102 (10.4)	361 (11.9)	133 (15.4)		
Multivariable-adjusted model†	1.00 (Ref.)	1.07 (0.98-1.17)	1.13 (0.99-1.29)	1.56 (1.28-1.90)	<0.001	1.08 (1.04-1.13)

Excluding participants with missing covariate data

No of participants	10,319	8686	2484	741		
No of obesity (%)	495 (4.8)	466 (5.4)	154 (6.2)	76 (10.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.12 (0.98-1.28)	1.05 (0.87-1.27)	1.56 (1.20-2.01)	0.009	1.06 (1.01-1.12)
No of abdominal obesity (%)	1003 (9.7)	898 (10.3)	289 (11.6)	121 (16.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.07 (0.97-1.17)	1.13 (0.98-1.29)	1.58 (1.29-1.92)	<0.001	1.09 (1.04-1.13)

Excluding participants with cardiometabolic diseases during the follow-up||

No of participants	11,992	9990	2878	856		
No of obesity (%)	572 (4.8)	521 (5.2)	181 (6.3)	85 (9.9)		

Multivariable-adjusted model†	1.00 (Ref.)	1.08 (0.95-1.22)	1.07 (0.90-1.28)	1.44 (1.13-1.83)	0.017	1.09 (1.00-1.18)
No of abdominal obesity (%)	1182 (9.9)	1032 (10.3)	331 (11.5)	129 (15.1)		
Multivariable-adjusted model†	1.00 (Ref.)	1.04 (0.95-1.13)	1.10 (0.97-1.25)	1.44 (1.19-1.74)	0.002	1.11 (1.04-1.19)

Cox proportional hazards regression analyses were used to calculate the HRs and 95% CIs.

* P-trend was obtained by including the categories of fried food intake as a continuous variable in the model.

† The multivariable model was adjusted for age, sex, race, centers, BMI, household income, Townsend deprivation index, smoking, alcohol consumption, physical activity, history of hypertension, history of hyper cholesterol, family history of cardiovascular disease, family history of diabetes, vitamin supplement use, mineral supplement use, aspirin use, and diabetes duration.

‡ Lifestyle includes smoking status, alcohol consumption frequency, physical activity, and sleep pattern.

¶ Extreme energy intake was <800 or >4200 kcal/d for men and <600 or >3500 kcal/d for women.

|| Cardiometabolic diseases include type 2 diabetes, coronary heart disease, and stroke.

Table S8. Multivariable Hazard Ratios (95% CIs) of fried white consumption and obesity incidence from sensitivity analyses.

□	Fried white meat intake (serving/day)				P-trend*	P for 1-SD
	0	0-0.5	0.5-1	≥1		
Further adjustment for hypertension at baseline						
No of participants	23,590	2025	1087	725		
No of obesity (%)	1244 (5.3)	113 (5.6)	63 (5.8)	52 (7.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.12 (0.91-1.39)	1.16 (0.88-1.53)	1.24 (0.92-1.67)	0.056	1.05 (1.00-1.09)
No of abdominal obesity (%)	2493 (10.6)	208 (10.3)	117 (10.8)	75 (10.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.03 (0.88-1.20)	1.11 (0.90-1.37)	0.85 (0.66-1.09)	0.705	0.99 (0.95-1.03)
Further adjustment for diabetes at baseline						
No of participants	23,590	2025	1087	725		
No of obesity (%)	1244 (5.3)	113 (5.6)	63 (5.8)	52 (7.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.14 (0.92-1.40)	1.17 (0.89-1.55)	1.25 (0.93-1.68)	0.043	1.05 (1.00-1.09)
No of abdominal obesity (%)	2493 (10.6)	208 (10.3)	117 (10.8)	75 (10.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.03 (0.88-1.20)	1.11 (0.90-1.36)	0.85 (0.66-1.08)	0.702	0.99 (0.95-1.03)
Further adjustment for vitamin or mineral supplementary						
No of participants	23,590	2025	1087	725		
No of obesity (%)	1244 (5.3)	113 (5.6)	63 (5.8)	52 (7.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.14 (0.92-1.40)	1.16 (0.88-1.54)	1.24 (0.92-1.67)	0.051	1.05 (1.00-1.09)
No of abdominal obesity (%)	2493 (10.6)	208 (10.3)	117 (10.8)	75 (10.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.03 (0.88-1.20)	1.11 (0.90-1.37)	0.85 (0.66-1.08)	0.695	0.99 (0.95-1.03)
Further adjustment for time being sedentary						
No of participants	23,590	2025	1087	725		
No of obesity (%)	1244 (5.3)	113 (5.6)	63 (5.8)	52 (7.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.12 (0.90-1.38)	1.15 (0.87-1.51)	1.23 (0.91-1.65)	0.072	1.04 (1.00-1.09)
No of abdominal obesity (%)	2493 (10.6)	208 (10.3)	117 (10.8)	75 (10.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.02 (0.87-1.19)	1.11 (0.90-1.36)	0.84 (0.66-1.08)	0.639	0.99 (0.95-1.03)

Further adjustment for lifestyle changes‡

No of participants	23,590	2025	1087	725		
No of obesity (%)	1244 (5.3)	113 (5.6)	63 (5.8)	52 (7.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.08 (0.88-1.31)	1.10 (0.85-1.43)	1.13 (0.85-1.49)	0.224	1.03 (0.98-1.07)
No of abdominal obesity (%)	2493 (10.6)	208 (10.3)	117 (10.8)	75 (10.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.04 (0.90-1.20)	1.07 (0.88-1.29)	0.83 (0.65-1.04)	0.489	0.98 (0.95-1.02)

Excluding extreme lower BMI (≤ 15 kg/m²)

No of participants	23,589	2025	1087	725		
No of obesity (%)	1244 (5.3)	113 (5.6)	63 (5.8)	52 (7.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.14 (0.92-1.40)	1.16 (0.88-1.54)	1.24 (0.92-1.67)	0.051	1.05 (1.00-1.09)
No of abdominal obesity (%)	2493 (10.6)	208 (10.3)	117 (10.8)	75 (10.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.03 (0.88-1.20)	1.11 (0.90-1.36)	0.85 (0.66-1.08)	0.702	0.99 (0.95-1.03)

Excluding extreme energy intake¶

No of participants	23,371	2014	1081	711		
No of obesity (%)	1229 (5.3)	113 (5.6)	63 (5.8)	52 (7.3)		
Multivariable-adjusted model†	1.00 (Ref.)	1.15 (0.93-1.41)	1.16 (0.88-1.54)	1.25 (0.93-1.69)	0.041	1.05 (1.00-1.10)
No of abdominal obesity (%)	2467 (10.6)	206 (10.2)	117 (10.8)	74 (10.4)		
Multivariable-adjusted model†	1.00 (Ref.)	1.03 (0.88-1.21)	1.12 (0.91-1.38)	0.85 (0.66-1.09)	0.764	0.99 (0.95-1.03)

Excluding participants with missing covariate data

No of participants	19,135	1663	845	587		
No of obesity (%)	1006 (5.3)	94 (5.7)	49 (5.8)	42 (7.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.11 (0.90-1.38)	1.17 (0.87-1.56)	1.20 (0.88-1.65)	0.091	1.05 (1.00-1.10)
No of abdominal obesity (%)	1992 (10.4)	166 (10.0)	93 (11.0)	60 (10.2)		
Multivariable-adjusted model†	1.00 (Ref.)	1.03 (0.88-1.22)	1.18 (0.96-1.46)	0.84 (0.65-1.09)	0.957	1.00 (0.96-1.04)

Excluding participants with cardiometabolic diseases during follow-up||

No of participants	22,135	1898	1013	670		
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No of obesity (%)	1152 (5.2)	104 (5.5)	58 (5.7)	45 (6.7)		
Multivariable-adjusted model†	1.00 (Ref.)	1.08 (0.88-1.33)	1.19 (0.91-1.56)	1.15 (0.85-1.55)	0.118	1.09 (0.98-1.21)
No of abdominal obesity (%)	2300 (10.4)	194 (10.2)	110 (10.9)	70 (10.5)		
Multivariable-adjusted model†	1.00 (Ref.)	1.04 (0.89-1.21)	1.19 (0.98-1.44)	0.87 (0.68-1.11)	0.835	1.00 (0.91-1.09)

Cox proportional hazards regression analyses were used to calculate the HRs and 95% CIs.

* P-trend was obtained by including the categories of fried food intake as a continuous variable in the model.

† The multivariable model was adjusted for age, sex, race, centers, BMI, household income, Townsend deprivation index, smoking, alcohol consumption, physical activity, history of hypertension, history of hyper cholesterol, family history of cardiovascular disease, family history of diabetes, vitamin supplement use, mineral supplement use, aspirin use, and diabetes duration.

‡ Lifestyle includes smoking status, alcohol consumption frequency, physical activity, and sleep pattern.

¶ Extreme energy intake was <800 or >4200 kcal/d for men and <600 or >3500 kcal/d for women.

|| Cardiometabolic diseases include type 2 diabetes, coronary heart disease, and stroke.

Table S9. Lifestyle characteristics of participants from the UK Biobank according to obesity at baseline and the follow-up time

	Without obesity	With obesity	P value*
Baseline			
Smoking (%)			<0.001
Never	16,279 (62.8)	830 (56.5)	
Previous	8185 (31.6)	489 (33.3)	
Current	1447 (5.6)	151 (10.3)	
Alcohol drinking (%)			<0.001
Never or special occasions only	5541 (21.4)	441 (30.0)	
1 to 3 times/month	6462 (24.9)	368 (25.0)	
1 or 2 times/week	7691 (29.6)	362 (24.6)	
3 or 4 times/week	6250 (24.1)	300 (20.4)	
Sleep pattern (%)			<0.001
Poor	970 (3.7)	99 (6.7)	
Intermediate	14,652 (56.5)	922 (62.6)	
Healthy	10327 (39.8)	450 (30.6)	
Physical activity (MET-h/wk)	41.28±38.80	46.80±40.13	0.007
The last assessment			
Smoking (%)			<0.001
Never	16,639 (64.4)	845 (57.7)	
Previous	8326 (32.2)	553 (37.8)	
Current	861 (3.3)	66 (4.5)	
Alcohol drinking (%)			<0.001
Never or special occasions only	6562 (25.4)	500 (34.1)	
1 to 3 times/month	6813 (26.3)	342 (23.3)	
1 or 2 times/week	7747 (30.0)	353 (24.1)	
3 or 4 times/week	4741 (18.3)	271 (18.5)	
Sleep pattern (%)			<0.001
Poor	1044 (4.0)	125 (8.5)	
Intermediate	15,150 (58.6)	970 (66.2)	
Healthy	9674 (37.4)	371 (25.3)	
Physical activity (MET-h/wk)	40.42±40.58	36.97±37.15	<0.001
Change			
Smoking (%)			<0.001
Increased	436 (1.7)	28 (2.0)	
Unchanged	23,951 (93.5)	1304 (90.8)	
Decreased	1221 (4.8)	104 (7.2)	
Alcohol drinking (%)			0.002
Increased	3277 (12.7)	221 (15.1)	
Unchanged	16,239 (62.8)	934 (63.8)	
Decreased	6336 (24.5)	310 (21.2)	

Sleep pattern (%)			0.031
Increased	3969 (15.3)	195 (13.3)	
Unchanged	17,234 (66.6)	977 (66.6)	
Decreased	4665 (18.0)	294 (20.1)	
Physical activity (%)			<0.001
Increased	12,068 (57.4)	566 (47.9)	
Unchanged	135 (0.6)	13 (1.1)	
Decreased	8834 (42.0)	602 (51.0)	

MET=metabolic equivalent.

Data are either n (percentage) or mean±SD unless indicated otherwise.

*P value for continuous variable of MET(h/week) was estimated through Mann Whitney U test as it was non-normal distribution and Pearson's χ^2 for categorical variables.