Table S1. Detailed information of the questionnaire contents for 18 dietary habits

Exposures	Touchscreen question	Value type
Alcohol intake frequency	About how often do you drink alcohol?	Categorical (single)
Beef intake	How often do you eat beef? (Do not count processed meats)	Categorical (single)
Bread intake	How many slices of bread do you eat each WEEK?	Integer, slices/week
Cereal intake	How many bowls of cereal do you eat a WEEK?	Integer, bowls/week
Cheese intake	How often do you eat cheese? (Include cheese in pizzas, quiches, cheese sauce etc)	Categorical (single)
Coffee intake	How many cups of coffee do you drink each DAY? (Include decaffeinated coffee)	Integer, cups/day
Cooked vegetable intake	On average how many heaped tablespoons of COOKED vegetables would you eat per DAY? (Do not include potatoes; put '0' if you do not eat any)	Integer, tablespoons/day
Dried fruit intake	About how many pieces of DRIED fruit would you eat per DAY? (Count one prune, one dried apricot, 10 raisins as one piece; put '0' if you do not eat any)	Integer, pieces/day
Fresh fruit intake	About how many pieces of FRESH fruit would you eat per DAY? (Count one apple, one banana, 10 grapes etc as one piece; put '0' if you do not eat any)	Integer, pieces/day
Lamb/mutton intake	How often do you eat lamb/mutton? (Do not count processed meats)	Categorical (single)
Non-oily fish intake	How often do you eat other types of fish? (e.g. cod, tinned tuna, haddock)	Categorical (single)
Oily fish intake	How often do you eat oily fish? (e.g. sardines, salmon, mackerel, herring)	Categorical (single)
Pork intake	How often do you eat pork? (Do not count processed meats such as bacon or ham)	Categorical (single)
Poultry intake	How often do you eat chicken, turkey or other poultry? (Do not count processed meats)	Categorical (single)
Processed meat intake	How often do you eat processed meats (such as bacon, ham, sausages, meat pies, kebabs, burgers, chicken nuggets)?	Categorical (single)
Salad/raw vegetable intake	On average how many heaped tablespoons of SALAD or RAW vegetables would you eat per DAY? (Include lettuce, tomato in sandwiches; put '0' if you do not eat any)	Integer, tablespoons/day
Tea intake	How many cups of tea do you drink each DAY? (Include black and green tea)	Integer, cups/day
Water intake	How many glasses of water do you drink each DAY?	Integer, glasses/day

Table S2. Baseline characteristics of participants for analyzing dietary habits and the odds of prostate cancer

	Without PCa history	With PCa history	P value[b]
	Non-weighted NO. / % (95%CI)[a]	Non-weighted NO. / % (95%CI)[a]	
Total number of participants (Non-weighted NO.)	1264	30	
Age (years)			0.003
<50	39.413(36.037, 42.893)	2.996(0.284, 25.089)	
50-60	38.763(35.087, 42.571)	52.842(19.655, 83.693)	
>60	21.824(19.384, 24.478)	44.163(16.338, 76.209)	
BMI (kg/m^2)			0.729
< 25	20.735(16.211, 26.128)	18.767(3.504, 59.514)	
25-29.99	41.139(37.186, 45.211)	50.598(18.120, 82.579)	
≥30	38.126(33.746, 42.708)	30.635(12.027, 58.794)	
Race			0.027
Mexican American	7.954(4.174, 14.634)	0.728(0.032, 14.200)	
Other Hispanic	3.880(2.012, 7.352)	2.703(0.270, 22.171)	
Non-Hispanic White	73.961(67.100, 79.821)	78.432(57.553, 90.700)	
Non-Hispanic Black	9.540(7.239, 12.474)	17.110(7.440, 34.646)	
Other Race - Including Multi-Racial	4.666(2.964, 7.271)	1.027(0.055, 16.348)	
Education level			0.620
Less than 9th grade	6.486(4.470, 9.322)	2.489(0.136, 32.317)	
9-11th grade (Includes 12th grade with no diploma)	11.464(9.699, 13.501)	8.905(2.705, 25.582)	
High school graduate/GED or equivalent	24.679(20.903, 28.888)	15.812(1.772, 66.161)	
Some college or AA degree	27.807(24.864, 30.955)	29.623(9.406, 63.050)	
College graduate or above	29.564(25.601, 33.862)	43.171(16.740, 74.161)	
Marital status			0.764
Married	70.082(67.036, 72.960)	81.981(44.104, 96.328)	
Widowed	1.951(1.159, 3.267)	0.000(0.000, 0.000)	
Divorced	13.118(11.589, 14.815)	10.572(1.488, 48.053)	
Separated	2.770(1.957, 3.909)	2.034(0.239, 15.275)	
Never married	7.142(5.465, 9.283)	1.027(0.055, 16.348)	
Living with partner	4.937(3.574, 6.783)	4.387(0.586, 26.313)	
Smoked at least 100 cigarettes in life			0.048
NO	48.087(42.669, 53.550)	61.724(41.499, 78.568)	
YES	51.913(46.450, 57.331)	38.276(21.432, 58.501)	
Diabetes			0.118
NO	85.040(82.016, 87.631)	97.580(83.497, 99.690)	
YES	11.567(9.037, 14.689)	2.420(0.310, 16.503)	
Borderline	3.394(2.540, 4.522)	0.000(0.000, 0.000)	
Hypertension			0.362
NO	63.584(59.371, 67.598)	52.238(21.879, 81.029)	
YES	36.416(32.402, 40.629)	47.762(18.971, 78.121)	
Asthma			0.439
NO	90.293(87.484, 92.526)	84.091(40.814, 97.591)	
YES	9.707(7.474, 12.516)	15.909(2.409, 59.186)	
Congestive heart failure			0.551
NO	97.674(96.631, 98.399)	98.679(80.017, 99.928)	
YES	2.326(1.601, 3.369)	1.321(0.072, 19.983)	
Coronary heart disease			0.708
NO	95.077(93.031, 96.545)	93.187(50.843, 99.450)	
YES	4.923(3.455, 6.969)	6.813(0.550, 49.157)	
Angina			0.265
NO	97.320(95.996, 98.214)	93.167(50.712, 99.450)	
YES	2.680(1.786, 4.004)	6.833(0.550, 49.288)	
Stroke			0.802
NO	97.304(96.157, 98.116)	97.947(71.058, 99.892)	
YES	2.696(1.884, 3.843)	2.053(0.108, 28.942)	

PCa, prostate cancer; CI, confidence interval; BMI, body mass index.

[a] % (95%CI), survey-weighted percentage (95%CI)

[b] P-value was by survey-weighted Chi-square test

Table S3. Baseline characteristics of participants for analyzing daily nutrient intake and the odds of prostate cancer

	Without PCa history	With PCa history	P value[b]
	Non-weighted NO. / % (95%CI)[a]	Non-weighted NO. / % (95%CI)[a]	
Total number of study population (Non-weighted NO.)	1689	89	
Age (years)			<0.001
<50	32.665(29.713, 35.760)	0.733(0.093, 5.513)	
50-60	33.698(31.120, 36.378)	20.986(7.550, 46.347)	
>60	33.637(31.343, 36.011)	78.281(53.380, 91.900)	
BMI (kg/m^2)			0.210
< 25	20.297(15.458, 26.182)	19.740(9.603, 36.281)	
25-29.99	41.497(36.983, 46.159)	53.281(36.870, 69.012)	
≥30	38.206(33.567, 43.070)	26.979(16.900, 40.163)	
Race			0.032
Mexican American	7.272(3.849, 13.317)	2.845(1.128, 6.991)	
Other Hispanic	3.469(1.712, 6.900)	1.777(0.244, 11.813)	
Non-Hispanic White	75.702(69.275, 81.150)	81.505(71.400, 88.609)	
Non-Hispanic Black	9.297(7.057, 12.154)	12.573(7.446, 20.451)	
Other Race - Including Multi-Racial	4.260(2.510, 7.142)	1.301(0.800, 2.108)	
Education level			0.014
Less than 9th grade	6.683(5.082, 8.742)	8.331(4.417, 15.162)	
9-11th grade (Includes 12th grade with no diploma)	11.911(10.054, 14.057)	13.740(8.367, 21.745)	
High school graduate/GED or equivalent	24.295(20.758, 28.220)	12.785(7.152, 21.814)	
Some college or AA degree	27.692(24.814, 30.767)	22.217(13.183, 34.950)	
College graduate or above	29.419(25.453, 33.723)	42.927(29.248, 57.779)	
Marital status			<0.001
Married	70.423(67.058, 73.579)	78.989(65.528, 88.144)	
Widowed	3.457(2.412, 4.930)	9.873(5.309, 17.629)	
Divorced	12.199(10.332, 14.348)	5.595(1.948, 15.020)	
Separated	2.479(1.694, 3.614)	1.654(0.845, 3.212)	
Never married	7.290(5.183, 10.162)	1.573(0.319, 7.397)	
Living with partner	4.153(3.158, 5.445)	2.316(0.491, 10.225)	
Smoked at least 100 cigarettes in life			0.353
NO	45.120(39.775, 50.580)	50.152(41.101, 59.193)	
YES	54.880(49.420, 60.225)	49.848(40.807, 58.899)	
Diabetes			0.187
NO	83.459(80.787, 85.824)	89.647(80.763, 94.698)	
YES	12.925(10.573, 15.708)	9.133(4.847, 16.551)	
Borderline	3.617(2.437, 5.335)	1.220(0.135, 10.121)	
Hypertension			0.073
NO	59.286(54.878, 63.549)	47.015(31.765, 62.843)	
YES	40.714(36.451, 45.122)	52.985(37.157, 68.235)	
Asthma			0.636
NO	90.337(87.809, 92.386)	88.112(71.686, 95.594)	
YES	9.663(7.614, 12.191)	11.888(4.406, 28.314)	
Congestive heart failure			0.084
NO	97.016(95.742, 97.917)	93.018(79.559, 97.854)	
YES	2.984(2.083, 4.258)	6.982(2.146, 20.441)	
Coronary heart disease			0.098
NO	93.271(91.742, 94.534)	88.551(77.040, 94.689)	
YES	6.729(5.466, 8.258)	11.449(5.311, 22.960)	
Angina			0.041
NO	96.559(95.225, 97.530)	91.155(77.641, 96.834)	
YES	3.441(2.470, 4.775)	8.845(3.166, 22.359)	
Stroke			<0.001
NO	96.628(95.861, 97.256)	88.900(77.007, 95.038)	
YES	3.372(2.744, 4.139)	11.100(4.962, 22.993)	

PCa, prostate cancer; CI, confidence interval; BMI, body mass index.

[a] % (95%CI), survey-weighted percentage (95%CI)

[b] P-value was by survey-weighted Chi-square test

Table S4. Baseline characteristics of daily nutrient intake in participants with and without prostate cancer history

	Without PCa history	With PCa history	P value[a]
Energy (kcal/day)	2419.295(2348.963, 2489.627)	2120.265(1932.324, 2308.206)	0.005
Carbohydrate (gm/day)	280.527(272.779, 288.275)	245.161(219.901, 270.421)	0.011
Dietary fiber (gm/day)	19.037(18.072, 20.002)	18.196(16.046, 20.347)	0.500
Protein (gm/day)	96.322(93.590, 99.053)	85.278(77.388, 93.168)	0.014
Fat (gm/day)	92.735(88.530, 96.940)	80.043(72.710, 87.375)	0.013
Saturated fatty acids (gm/day)	30.520(28.726, 32.314)	26.348(23.810, 28.887)	0.011
Monounsaturated fatty acids (gm/day)	33.843(32.379, 35.307)	28.653(25.434, 31.871)	0.014
Polyunsaturated fatty acids (gm/day)	19.977(19.170, 20.783)	17.879(16.077, 19.682)	0.088
Vitamin E (mg/day)	8.968(8.551, 9.386)	8.093(7.176, 9.010)	0.150
Retinol (mcg/day)	484.525(461.812, 507.237)	481.204(417.936, 544.472)	0.916
Vitamin A (mcg/day)	709.484(659.754, 759.214)	839.676(671.918, 1007.434)	0.139
α-carotene (mcg/day)	467.812(324.097, 611.526)	580.933(364.943, 796.922)	0.369
β-carotene (mcg/day)	2422.221(2051.851, 2792.591)	3982.532(2091.602, 5873.463)	0.124
β-cryptoxanthin (mcg/day)	95.485(85.178, 105.791)	58.068(33.974, 82.162)	0.010
Vitamin B1 (mg/day)	1.884(1.820, 1.949)	2.068(1.670, 2.465)	0.383
Vitamin B2 (mg/day)	2.517(2.435, 2.599)	2.384(2.147, 2.621)	0.337
Vitamin B6 (mg/day)	2.383(2.288, 2.479)	2.232(1.898, 2.567)	0.419
Folate (mcg/day)	463.387(443.488, 483.286)	461.975(408.671, 515.280)	0.949
Vitamin B12 (mcg/day)	6.246(5.922, 6.570)	5.737(4.644, 6.830)	0.383
Vitamin C (mg/day)	94.071(87.317, 100.824)	82.359(55.143, 109.576)	0.414
Vitamin D (mcg/day)	6.088(5.641, 6.534)	5.727(4.019, 7.434)	0.677
Vitamin K (mcg/day)	111.376(97.516, 125.236)	132.218(96.221, 168.215)	0.325
Calcium (mg/day)	1106.286(1070.642, 1141.929)	934.482(856.421, 1012.544)	0.003
Phosphorus (mg/day)	1620.853(1577.616, 1664.091)	1386.620(1242.959, 1530.281)	0.006
Magnesium (mg/day)	350.544(341.125, 359.962)	293.173(263.611, 322.735)	0.001
Iron (mg/day)	17.147(16.658, 17.636)	17.915(16.127, 19.703)	0.423
Zinc (mg/day)	14.118(13.565, 14.671)	12.265(10.719, 13.811)	0.023
Copper (mg/day)	1.499(1.448, 1.549)	1.357(1.252, 1.461)	0.040
Sodium (mg/day)	4128.051(4009.398, 4246.704)	3576.371(3113.434, 4039.307)	0.039
Potassium (mg/day)	3263.805(3158.968, 3368.643)	2850.937(2497.007, 3204.868)	0.029
Selenium (mcg/day)	128.957(124.280, 133.633)	117.798(107.986, 127.609)	0.048

Continuous variables were presented as survey-weighted median (Q1, Q3).

PCa, prostate cancer.

[a] P-value was by survey-weighted linear regression

Table S5. Instrumental variables of 18 dietary habits for prostate cancer risk

Alcohol intake frequency

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10188314	T	C	0.470852	-0.0197869	0.0030361	7.20E-11	9.19E-05	462346	42.475236
rs10792669	G	A	0.505254	0.0174322	0.0030407	9.90E-09	7.11E-05	462346	32.867726
rs11039429	T	C	0.454624	-0.0235595	0.0030374	8.70E-15	0.0001301	462346	60.163745
rs11223617	A	G	0.206155	0.0250908	0.0037538	2.30E-11	9.66E-05	462346	44.676852
rs11700855	G	A	0.093465	-0.029795	0.0052329	1.20E-08	7.01E-05	462346	32.418783
rs11750777	A	G	0.209454	-0.020493	0.0037261	3.80E-08	6.54E-05	462346	30.247758
rs11787216	T	C	0.369127	0.0244162	0.0032008	2.40E-14	0.0001258	462346	58.189231
rs11940694	G	A	0.604193	-0.0437138	0.0031161	1.00E-44	0.0004255	462346	196.79554
rs12153855	C	T	0.10497	0.0294435	0.0049348	2.40E-09	7.70E-05	462346	35.598429
rs1228589	A	G	0.246133	0.0210699	0.0035281	2.30E-09	7.71E-05	462346	35.665732
rs1229984	C	T	0.97277	-0.261708	0.009185	1.40E-178	0.0017529	462346	811.85334
rs12312693	C	T	0.451772	-0.0176811	0.0030503	6.80E-09	7.27E-05	462346	33.600285
rs13102973	C	T	0.61881	-0.0194072	0.0031188	4.90E-10	8.37E-05	462346	38.722444
rs13135092	G	A	0.083483	0.0438341	0.0054988	1.60E-15	0.0001374	462346	63.544818
rs13178443	T	C	0.276349	-0.0186516	0.0033898	3.80E-08	6.55E-05	462346	30.274325
rs13390019	C	T	0.134041	0.0296116	0.0044918	4.30E-11	9.40E-05	462346	43.458745
rs1421085	C	T	0.403447	0.0199392	0.0030848	1.00E-10	9.04E-05	462346	41.778875
rs1515591	G	T	0.383186	0.0182303	0.0031164	4.90E-09	7.40E-05	462346	34.221047
rs1666658	C	T	0.392206	0.0179674	0.0030987	6.70E-09	7.27E-05	462346	33.621783
rs17662759	C	T	0.089115	0.0301348	0.0054603	3.40E-08	6.59E-05	462346	30.457913
rs17690703	T	C	0.262687	0.0250342	0.0034302	2.90E-13	0.0001152	462346	53.262818
rs186347	T	G	0.463343	0.0179489	0.0030507	4.00E-09	7.49E-05	462346	34.615607
rs1893659	A	C	0.459939	-0.029326	0.0030531	7.60E-22	0.0001995	462346	92.259944
rs1937522	G	A	0.528054	0.0168979	0.0030321	2.50E-08	6.72E-05	462346	31.058834
rs1991083	T	C	0.679886	-0.0223925	0.0032581	6.30E-12	0.0001022	462346	47.235277
rs2043677	T	C	0.145599	0.0261133	0.0043272	1.60E-09	7.88E-05	462346	36.417296
rs2159935	A	G	0.490369	-0.0185742	0.0030258	8.30E-10	8.15E-05	462346	37.681847
rs2160935	T	C	0.604293	-0.018718	0.0030912	1.40E-09	7.93E-05	462346	36.66665
rs2244598	C	T	0.605114	-0.018378	0.0031191	3.80E-09	7.51E-05	462346	34.717175
rs2411453	G	T	0.597353	-0.0350793	0.0030904	7.30E-30	0.0002786	462346	128.84672
rs2535911	T	C	0.354749	-0.0188476	0.0031685	2.70E-09	7.65E-05	462346	35.383888
rs2622167	A	G	0.428653	-0.0191155	0.0030674	4.60E-10	8.40E-05	462346	38.835475
rs262240	T	C	0.468553	-0.017207	0.0030348	1.40E-08	6.95E-05	462346	32.146945
rs2717063	A	C	0.585731	-0.0203704	0.0030846	4.00E-11	9.43E-05	462346	43.612198
rs28622224	T	C	0.280364	-0.0186203	0.0033683	3.20E-08	6.61E-05	462346	30.559034
rs28768122	C	T	0.759525	0.0207	0.003552	5.60E-09	7.34E-05	462346	33.961207
rs28787109	A	G	0.40423	0.0178107	0.0030846	7.70E-09	7.21E-05	462346	33.339538
rs2924321	A	G	0.539592	-0.0195131	0.0030502	1.60E-10	8.85E-05	462346	40.924967
rs2977454	G	C	0.124072	-0.0259222	0.0045985	1.70E-08	6.87E-05	462346	31.776334
rs34440851	T	C	0.157151	-0.0226831	0.0041506	4.60E-08	6.46E-05	462346	29.866571
rs34473884	A	G	0.24819	-0.0203615	0.0035035	6.20E-09	7.31E-05	462346	33.777176
rs34631026	T	C	0.446061	-0.0169128	0.0030483	2.90E-08	6.66E-05	462346	30.782794
rs34811474	A	G	0.230728	-0.0201809	0.0035931	1.90E-08	6.82E-05	462346	31.546607
rs35105141	T	C	0.401541	0.026345	0.0030879	1.40E-17	0.0001574	462346	72.790332
rs362307	T	C	0.074582	0.0433047	0.0058022	8.40E-14	0.0001205	462346	55.703733
rs4241258	T	C	0.13763	0.0250636	0.0044033	1.30E-08	7.01E-05	462346	32.399502
rs4242715	A	G	0.680585	-0.0186543	0.0032483	9.30E-09	7.13E-05	462346	32.979274
rs4417025	A	G	0.361153	-0.0188379	0.0031652	2.70E-09	7.66E-05	462346	35.421892
rs4503294	T	C	0.565333	0.0181476	0.0030705	3.40E-09	7.55E-05	462346	34.931814
rs461599	C	A	0.462259	-0.0191888	0.0030398	2.70E-10	8.62E-05	462346	39.84853
rs4726481	T	G	0.400576	0.0217614	0.0031019	2.30E-12	0.0001064	462346	49.217755
rs473098	T	C	0.557689	-0.0217406	0.0030435	9.10E-13	0.0001104	462346	51.028033
rs489062	A	G	0.437454	0.0166498	0.0030529	4.90E-08	6.43E-05	462346	29.743232
rs4916723	C	A	0.420617	0.0239479	0.0030995	1.10E-14	0.0001291	462346	59.696231
rs4940926	C	T	0.735045	-0.0191003	0.0034407	2.80E-08	6.66E-05	462346	30.81697
rs4968391	T	G	0.674892	-0.0192695	0.0032265	2.30E-09	7.71E-05	462346	35.667747
rs5022348	T	C	0.40703	0.0202641	0.0035701	1.40E-08	6.97E-05	462346	32.218414
rs550942	T	C	0.823865	0.022401	0.0039888	2.00E-08	6.82E-05	462346	31.538403
rs56194430	T	C	0.16931	0.0225403	0.0040715	3.10E-08	6.63E-05	462346	30.648759
rs58905411	A	G	0.410052	-0.0266343	0.0030785	5.10E-18	0.0001619	462346	74.852795
rs6030200	A	G	0.31415	-0.019529	0.0032708	2.40E-09	7.71E-05	462346	35.65032
rs61873510	T	G	0.32785	0.0203737	0.0033031	6.90E-10	8.23E-05	462346	38.044498
rs62305780	G	C	0.102253	-0.0485216	0.0050659	9.90E-22	0.0001984	462346	91.741048
rs62339673	A	C	0.626705	0.0182943	0.0031541	6.60E-09	7.28E-05	462346	33.64262
rs62466318	T	C	0.202827	-0.0254919	0.0037742	1.40E-11	9.87E-05	462346	45.61973
rs650558	T	C	0.247918	0.0207362	0.0035079	3.40E-09	7.56E-05	462346	34.94315
rs6727281	T	C	0.184023	-0.024322	0.0039196	5.50E-10	8.33E-05	462346	38.503865
rs6943160	C	T	0.208646	0.020627	0.0037277	3.10E-08	6.62E-05	462346	30.618156
rs71651683	T	C	0.0142	-0.0704589	0.0127906	3.60E-08	6.56E-05	462346	30.34506
rs72769229	T	A	0.154942	-0.0231352	0.0041915	3.40E-08	6.59E-05	462346	30.464735
rs72787062	A	G	0.162767	-0.0281947	0.0041032	6.40E-12	0.0001021	462346	47.214918
rs728538	G	T	0.168868	0.0228752	0.0040626	1.80E-08	6.86E-05	462346	31.704575
rs7298932	G	A	0.147849	-0.0237214	0.0043117	3.80E-08	6.55E-05	462346	30.268419
rs7302200	A	G	0.339998	-0.0184222	0.0031984	8.40E-09	7.17E-05	462346	33.175146
rs73050128	A	C	0.164488	-0.0260048	0.0040909	2.10E-10	8.74E-05	462346	40.408402
rs7330939	T	C	0.720352	-0.0213301	0.0034046	3.70E-10	8.49E-05	462346	39.251089
rs74679146	C	T	0.074515	-0.0320735	0.0057576	2.50E-08	6.71E-05	462346	31.032187

rs7514579	C	A	0.232457	0.0196672	0.0035979	4.60E-08	6.46E-05	462346	29.880636
rs76082653	T	C	0.054327	0.0464269	0.0066867	3.80E-12	0.0001043	462346	48.206979
rs7610856	A	C	0.429053	-0.023864	0.0030702	7.70E-15	0.0001307	462346	60.415115
rs780094	C	T	0.615206	-0.0509938	0.0031051	1.30E-60	0.000583	462346	269.70741
rs780569	A	T	0.70882	0.0198033	0.0033645	4.00E-09	7.49E-05	462346	34.643508
rs80292319	C	T	0.057704	-0.0393728	0.0064958	1.40E-09	7.95E-05	462346	36.7385
rs8043563	C	G	0.737192	0.0233654	0.0034713	1.70E-11	9.80E-05	462346	45.307779
rs838145	A	G	0.542982	0.0219548	0.0030555	6.70E-13	0.0001117	462346	51.629196
rs8614	A	C	0.182509	0.0247806	0.0039254	2.70E-10	8.62E-05	462346	39.852958
rs9349379	G	A	0.405493	-0.0193455	0.0030822	3.50E-10	8.52E-05	462346	39.395852
rs9372625	A	G	0.381706	-0.0255579	0.0031247	2.90E-16	0.0001447	462346	66.90216
rs9403297	A	G	0.372967	0.0188234	0.0031304	1.80E-09	7.82E-05	462346	36.157877
rs9648478	A	G	0.510245	0.0168603	0.0030289	2.60E-08	6.70E-05	462346	30.98532
rs9814516	T	G	0.237423	-0.0251117	0.0035559	1.60E-12	0.0001079	462346	49.871647
rs9829192	T	G	0.435133	0.0169324	0.0030503	2.80E-08	6.66E-05	462346	30.813736
rs9906502	A	G	0.176998	0.0237883	0.0039618	1.90E-09	7.80E-05	462346	36.053234
rs9912298	C	A	0.239585	0.0205894	0.0035899	9.70E-09	7.11E-05	462346	32.893762
rs9958320	C	T	0.153147	0.0248553	0.0042709	5.90E-09	7.32E-05	462346	33.86829

Beef intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10789340	G	A	0.626712	-0.0137797	0.0017694	6.80E-15	0.0001315	461053	60.652015
rs10959890	C	T	0.212297	-0.0126658	0.0020961	1.50E-09	7.92E-05	461053	36.511967
rs1105388	T	C	0.300147	-0.0113754	0.0018756	1.30E-09	7.98E-05	461053	36.782152
rs11165829	G	C	0.35997	-0.0102001	0.0017787	9.80E-09	7.13E-05	461053	32.887131
rs11878917	A	G	0.109688	0.0150187	0.0027481	4.60E-08	6.48E-05	461053	29.866987
rs132901	T	C	0.787662	0.0139249	0.0020928	2.90E-11	9.60E-05	461053	44.270918
rs1421085	C	T	0.403433	-0.0121232	0.0017427	3.50E-12	0.0001049	461053	48.391319
rs1470610	C	G	0.196185	-0.0122159	0.0021578	1.50E-08	6.95E-05	461053	32.050197
rs429358	C	T	0.154226	-0.0148514	0.0023685	3.60E-10	8.53E-05	461053	39.318517
rs4676964	T	C	0.510605	0.0133533	0.0017244	9.60E-15	0.00013	461053	59.966593
rs62169335	T	C	0.543241	-0.0096863	0.0017352	2.40E-08	6.76E-05	461053	31.160044
rs62396185	C	G	0.260057	-0.0148447	0.001951	2.80E-14	0.0001255	461053	57.891863
rs784251	T	C	0.477649	-0.0103387	0.0017165	1.70E-09	7.87E-05	461053	36.277496
rs79809011	A	G	0.029465	-0.0280593	0.0050848	3.40E-08	6.60E-05	461053	30.450934

Bread intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10761661	T	C	0.45322	-0.0114852	0.00200486	1.00E-08	7.26E-05	452236	32.81762149
rs11060853	G	A	0.411804	-0.012789	0.00202087	2.50E-10	8.86E-05	452236	40.04926042
rs11183201	C	T	0.507856	-0.016725	0.00199574	5.30E-17	0.000155272	452236	70.22995798
rs11628639	C	T	0.243333	-0.013495	0.00232226	6.20E-09	7.47E-05	452236	33.76930898
rs13023099	A	C	0.571784	-0.0114708	0.00202287	1.40E-08	7.11E-05	452236	32.15507651
rs1492988	G	C	0.599095	0.0115447	0.00203549	1.40E-08	7.11E-05	452236	32.16810197
rs17083079	A	G	0.047423	0.0301138	0.00467938	1.20E-10	9.16E-05	452236	41.41451443
rs1940033	T	C	0.592727	-0.011079	0.00202843	4.70E-08	6.60E-05	452236	29.83177907
rs1994315	C	T	0.685162	-0.0168239	0.00214445	4.30E-15	0.000136081	452236	61.5487995
rs2068650	C	A	0.472074	-0.013938	0.00199929	3.10E-12	0.000107458	452236	48.60124697
rs2517678	T	C	0.368395	0.013233	0.00208598	2.20E-10	8.90E-05	452236	40.24337763
rs28406095	A	G	0.461729	-0.010949	0.00200012	4.40E-08	6.63E-05	452236	29.96642163
rs4665972	C	T	0.604541	-0.0142361	0.00204335	3.20E-12	0.000107321	452236	48.53942362
rs4984685	A	G	0.201006	0.0135849	0.00248083	4.40E-08	6.63E-05	452236	29.98589121
rs55745436	T	C	0.237279	0.0134245	0.00234263	1.00E-08	7.26E-05	452236	32.83877262
rs596878	C	A	0.449595	-0.011739	0.00201069	5.30E-09	7.54E-05	452236	34.08552979
rs62091167	C	A	0.215931	-0.0138402	0.0024253	1.20E-08	7.20E-05	452236	32.56505964
rs656817	G	A	0.334442	-0.0126883	0.00210929	1.80E-09	8.00E-05	452236	36.18531594
rs6754311	C	T	0.264485	0.0141353	0.00224657	3.10E-10	8.75E-05	452236	39.58842549
rs73802707	T	C	0.153694	-0.0159296	0.00276165	8.00E-09	7.36E-05	452236	33.27135946
rs75287965	A	G	0.062933	-0.0247475	0.00409745	1.50E-09	8.07E-05	452236	36.47820165
rs7802468	T	C	0.371501	-0.0233527	0.00205629	6.90E-30	0.000285113	452236	128.9744109
rs79436018	C	T	0.116276	-0.0176147	0.00311645	1.60E-08	7.06E-05	452236	31.94686557
rs9323989	C	T	0.379169	-0.0116143	0.00205547	1.60E-08	7.06E-05	452236	31.92727653
rs9529024	T	A	0.370396	-0.0129169	0.00206792	4.20E-10	8.63E-05	452236	39.01640108
rs9564268	C	T	0.615619	-0.0121606	0.00204932	3.00E-09	7.79E-05	452236	35.21182454
rs9662365	T	C	0.499481	0.0121661	0.00198921	9.60E-10	8.27E-05	452236	37.40585409

Cereal intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10057775	C	T	0.893563	0.0200293	0.0028938	4.50E-12	0.0001085	441640	47.906954
rs10857964	C	T	0.205117	0.0140866	0.0022053	1.70E-10	9.24E-05	441640	40.801398
rs11038810	G	A	0.644091	0.0111343	0.0018633	2.30E-09	8.09E-05	441640	35.709323
rs11097340	T	C	0.399592	-0.0115334	0.001815	2.10E-10	9.14E-05	441640	40.37892
rs11670024	G	A	0.115508	0.0160114	0.0027995	1.10E-08	7.41E-05	441640	32.711843
rs11940694	G	A	0.604068	-0.0126647	0.0018343	5.00E-12	0.0001079	441640	47.672295
rs12354267	C	T	0.309145	0.0116473	0.0019328	1.70E-09	8.22E-05	441640	36.314429
rs13234131	G	A	0.128369	0.0170117	0.0026602	1.60E-10	9.26E-05	441640	40.894498
rs184643	A	G	0.56672	-0.0121653	0.0018047	1.60E-11	0.0001029	441640	45.437496
rs1853931	A	G	0.531294	-0.0113368	0.0018102	3.80E-10	8.88E-05	441640	39.222952
rs2450126	G	A	0.156746	-0.0149019	0.0024567	1.30E-09	8.33E-05	441640	36.794305
rs2472297	T	C	0.261458	-0.0158518	0.0020219	4.50E-15	0.0001392	441640	61.466736
rs2504706	C	T	0.234682	0.0181793	0.0021024	5.30E-18	0.0001693	441640	74.770436
rs2799849	T	C	0.678123	-0.0123289	0.0019057	9.80E-11	9.48E-05	441640	41.852745
rs2817377	A	G	0.537948	0.0099008	0.0017893	3.10E-08	6.93E-05	441640	30.616901
rs2927238	G	T	0.613181	0.0102465	0.0018288	2.10E-08	7.11E-05	441640	31.391834
rs3115230	A	C	0.752001	-0.0114779	0.0020713	3.00E-08	6.95E-05	441640	30.706669
rs4410790	C	T	0.630668	-0.0109143	0.001847	3.40E-09	7.91E-05	441640	34.91967
rs4739095	A	G	0.765732	-0.0128656	0.0021052	9.90E-10	8.46E-05	441640	37.347284
rs4797242	A	C	0.297207	0.0114312	0.0019489	4.50E-09	7.79E-05	441640	34.403848
rs491711	C	A	0.311975	0.0116885	0.0019337	1.50E-09	8.27E-05	441640	36.538892
rs4988235	A	G	0.736893	0.0114	0.0020124	1.50E-08	7.27E-05	441640	32.090376
rs56131196	A	G	0.188724	0.0180024	0.002277	2.70E-15	0.0001415	441640	62.51034
rs62442924	T	C	0.194276	0.0127309	0.0022571	1.70E-08	7.20E-05	441640	31.814016
rs6510177	C	T	0.805589	-0.0130354	0.0022874	1.20E-08	7.35E-05	441640	32.474864
rs6545770	T	A	0.748101	-0.013728	0.0020604	2.70E-11	0.0001005	441640	44.392058
rs67723420	A	T	0.376335	0.0105252	0.0018467	1.20E-08	7.36E-05	441640	32.485501
rs68136852	A	C	0.152389	-0.0141222	0.0024785	1.20E-08	7.35E-05	441640	32.466234
rs6918737	A	T	0.234488	0.0137325	0.0021098	7.60E-11	9.59E-05	441640	42.367334
rs7040561	A	T	0.850635	-0.0162685	0.00252	1.10E-10	9.44E-05	441640	41.675909
rs78854891	C	T	0.065728	0.0221411	0.0036331	1.10E-09	8.41E-05	441640	37.139575
rs79642906	A	G	0.083314	-0.0181581	0.0032281	1.90E-08	7.16E-05	441640	31.64022
rs8097544	G	A	0.145206	-0.0246368	0.0025411	3.20E-22	0.0002128	441640	94.000454
rs838133	G	A	0.549201	-0.0206515	0.0018433	3.90E-29	0.0002841	441640	125.51756
rs9374896	T	C	0.466274	0.0175265	0.0017917	1.30E-22	0.0002166	441640	95.693421
rs9987289	G	A	0.908767	0.0178679	0.0030947	7.80E-09	7.55E-05	441640	33.335575

Cheese intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs1073242	A	G	0.553825	0.015728	0.0022916	6.70E-12	0.0001043	451486	47.106692
rs10896050	T	G	0.193171	-0.0184695	0.0028344	7.20E-11	9.40E-05	451486	42.461194
rs10938397	G	A	0.434462	-0.0127071	0.0022575	1.80E-08	7.02E-05	451486	31.683387
rs113367286	T	C	0.278467	0.0151797	0.0024999	1.30E-09	8.17E-05	451486	36.871988
rs11620149	C	T	0.143308	-0.0176745	0.0032085	3.60E-08	6.72E-05	451486	30.345078
rs11649653	G	C	0.38208	0.0138485	0.0022917	1.50E-09	8.09E-05	451486	36.516724
rs12296440	A	G	0.169681	0.0187942	0.0029799	2.80E-10	8.81E-05	451486	39.779284
rs12447542	A	G	0.12558	0.0197476	0.003407	6.80E-09	7.44E-05	451486	33.595998
rs12475594	G	A	0.178459	0.0160073	0.0029252	4.40E-08	6.63E-05	451486	29.945327
rs12672200	A	G	0.325794	-0.0137634	0.0023946	9.00E-09	7.32E-05	451486	33.036809
rs12786959	T	A	0.196267	-0.0160712	0.0028199	1.20E-08	7.19E-05	451486	32.481302
rs1291145	C	T	0.685848	-0.0202495	0.0024103	4.40E-17	0.0001563	451486	70.582802
rs12951057	G	C	0.165627	-0.0211557	0.0030438	3.60E-12	0.000107	451486	48.309447
rs13107325	T	C	0.074693	-0.0291639	0.0042529	7.00E-12	0.0001041	451486	47.025037
rs1434511	T	C	0.455286	0.0129646	0.0022587	9.50E-09	7.30E-05	451486	32.94632
rs1514755	G	A	0.239596	0.0163749	0.0026165	3.90E-10	8.67E-05	451486	39.166124
rs17115145	T	C	0.401282	-0.0128806	0.0022896	1.80E-08	7.01E-05	451486	31.649453
rs1806771	G	T	0.087876	-0.0221467	0.004035	4.10E-08	6.67E-05	451486	30.125138
rs1931805	C	T	0.500062	0.0126363	0.0022359	1.60E-08	7.07E-05	451486	31.939587
rs2352974	T	C	0.48979	-0.0144972	0.0022428	1.00E-10	9.25E-05	451486	41.781617
rs2802530	A	G	0.876502	0.0186266	0.003397	4.20E-08	6.66E-05	451486	30.065189
rs2854175	A	C	0.257474	0.0169937	0.0025686	3.70E-11	9.69E-05	451486	43.771473
rs2960578	G	T	0.496281	0.0170282	0.0022359	2.60E-14	0.0001284	451486	57.998301
rs34198643	T	C	0.224165	-0.0167006	0.0026786	4.50E-10	8.61E-05	451486	38.874311
rs35270670	G	A	0.217962	0.0163794	0.0027097	1.50E-09	8.09E-05	451486	36.537498
rs3911016	G	T	0.120938	0.0213573	0.0034399	5.30E-10	8.54E-05	451486	38.547759
rs4296548	G	T	0.609594	0.0130245	0.0022878	1.20E-08	7.18E-05	451486	32.410094
rs4503172	T	C	0.608301	0.0129596	0.002293	1.60E-08	7.07E-05	451486	31.942813
rs4681981	A	C	0.469086	-0.0124361	0.0022412	2.90E-08	6.82E-05	451486	30.789411
rs4692708	C	A	0.252659	0.0147298	0.002589	1.30E-08	7.17E-05	451486	32.36788
rs4776970	T	A	0.357982	0.0154088	0.0023268	3.50E-11	9.71E-05	451486	43.853716
rs4860341	C	T	0.928742	0.0243652	0.0043515	2.20E-08	6.94E-05	451486	31.351337
rs504675	T	C	0.352634	0.0274418	0.0023418	1.00E-31	0.000304	451486	137.31445
rs524468	G	A	0.260633	-0.0142421	0.0025516	2.40E-08	6.90E-05	451486	31.154268
rs531358	T	C	0.649768	0.0131666	0.0023373	1.80E-08	7.03E-05	451486	31.733116
rs6126641	A	G	0.336196	0.013226	0.0023949	3.30E-08	6.75E-05	451486	30.498122
rs61953351	T	G	0.250366	0.0145932	0.00258	1.50E-08	7.09E-05	451486	31.994343
rs62034322	A	G	0.379848	-0.0139355	0.0022999	1.40E-09	8.13E-05	451486	36.714734
rs62236533	A	G	0.108791	0.0247617	0.0036467	1.10E-11	0.0001021	451486	46.105145

rs62245792	A	T	0.150049	-0.0179341	0.0031632	1.40E-08	7.12E-05	451486	32.144908
rs6685323	T	C	0.309293	-0.0131886	0.0024159	4.80E-08	6.60E-05	451486	29.800968
rs67238148	T	G	0.217471	0.0165432	0.0027143	1.10E-09	8.23E-05	451486	37.146254
rs6774906	C	A	0.040653	0.0316294	0.0056726	2.50E-08	6.89E-05	451486	31.089419
rs6873324	C	A	0.425802	-0.0124766	0.0022707	3.90E-08	6.69E-05	451486	30.189755
rs7012814	A	G	0.473966	-0.0185161	0.0022539	2.10E-16	0.0001495	451486	67.489394
rs71386942	A	C	0.268947	0.0144554	0.0025221	9.90E-09	7.28E-05	451486	32.851176
rs72970243	A	G	0.12044	0.0222011	0.0034017	6.70E-11	9.43E-05	451486	42.595651
rs7298331	C	A	0.604531	-0.013175	0.0023059	1.10E-08	7.23E-05	451486	32.645695
rs73024305	C	G	0.054789	0.0325373	0.0049272	4.00E-11	9.66E-05	451486	43.607807
rs73096946	C	T	0.157396	-0.0205914	0.0030666	1.90E-11	9.99E-05	451486	45.086262
rs73335955	C	T	0.05334	0.0277726	0.0049782	2.40E-08	6.89E-05	451486	31.12286
rs7386207	T	C	0.563517	-0.0124974	0.0022693	3.60E-08	6.72E-05	451486	30.330022
rs77742462	G	A	0.020525	-0.0474668	0.008278	9.80E-09	7.28E-05	451486	32.879329
rs78876700	A	G	0.137431	0.0180965	0.0032785	3.40E-08	6.75E-05	451486	30.467132
rs79184944	A	T	0.134346	0.0196018	0.0032846	2.40E-09	7.89E-05	451486	35.614782
rs7936836	A	C	0.417538	0.0159029	0.0022727	2.60E-12	0.0001084	451486	48.961968
rs919109	C	G	0.138752	0.0199382	0.0032433	7.90E-10	8.37E-05	451486	37.791872
rs9504123	C	A	0.274743	0.0141706	0.0025039	1.50E-08	7.09E-05	451486	32.029562
rs9649582	T	A	0.317256	-0.0146166	0.0024115	1.40E-09	8.14E-05	451486	36.73715
rs975303	G	A	0.181313	0.0212756	0.002907	2.50E-13	0.0001186	451486	53.564201

Coffee intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs1057868	T	C	0.284986	0.0199509	0.0017852	5.40E-29	0.0002912	428860	124.90039
rs117810762	A	G	0.017881	0.0359086	0.0061787	6.20E-09	7.88E-05	428860	33.775306
rs117968677	A	G	0.024207	-0.0310299	0.005516	1.90E-08	7.38E-05	428860	31.645258
rs12514566	A	G	0.337107	-0.0113972	0.0017056	2.40E-11	0.0001041	428860	44.650852
rs12989746	T	G	0.249928	0.01035	0.0018643	2.80E-08	7.19E-05	428860	30.821355
rs13054099	C	T	0.261004	-0.0107777	0.001836	4.30E-09	8.03E-05	428860	34.460295
rs13163336	A	C	0.15761	0.0149472	0.0022101	1.30E-11	0.0001066	428860	45.741823
rs1338549	G	T	0.533932	-0.0094512	0.0016218	5.60E-09	7.92E-05	428860	33.960823
rs13387939	A	C	0.828363	0.0165558	0.0021386	9.80E-15	0.0001397	428860	59.929298
rs1421085	C	T	0.40357	0.0185426	0.0016444	1.70E-29	0.0002964	428860	127.15851
rs1527961	C	T	0.1349	-0.0133431	0.0023659	1.70E-08	7.42E-05	428860	31.80805
rs17842490	G	A	0.014248	-0.0451683	0.0068085	3.30E-11	0.0001026	428860	44.011395
rs1942965	C	T	0.504585	-0.0089034	0.0016192	3.80E-08	7.05E-05	428860	30.235968
rs2465037	A	C	0.343017	-0.0106317	0.0017074	4.80E-10	9.04E-05	428860	38.771945
rs2472297	T	C	0.262883	0.0464708	0.0018273	1.10E-142	0.0015058	428860	646.73193
rs2597805	T	C	0.682463	0.009855	0.0017562	2.00E-08	7.34E-05	428860	31.488372
rs34060476	G	A	0.133855	0.0184292	0.0023703	7.50E-15	0.0001409	428860	60.449584
rs4410790	C	T	0.632141	0.039072	0.0016729	1.20E-120	0.0012704	428860	545.50619
rs442355	C	G	0.254435	-0.0111372	0.0018537	1.90E-09	8.42E-05	428860	36.095442
rs4615895	A	G	0.740926	0.0122025	0.0018497	4.20E-11	0.0001015	428860	43.519472
rs476828	C	T	0.237409	0.0173461	0.0018954	5.60E-20	0.0001952	428860	83.75026
rs516636	A	C	0.208913	0.0116767	0.0019842	4.00E-09	8.07E-05	428860	34.631532
rs56113850	C	T	0.578109	0.0126667	0.0016335	8.90E-15	0.0001402	428860	60.128636
rs57918684	A	G	0.154747	0.0128864	0.0022385	8.60E-09	7.73E-05	428860	33.14106
rs6062682	T	C	0.464546	0.0103704	0.0016393	2.50E-10	9.33E-05	428860	40.02003
rs6063085	C	A	0.373473	0.0104106	0.0016692	4.50E-10	9.07E-05	428860	38.898956
rs61928609	C	A	0.835328	-0.0147305	0.0021754	1.30E-11	0.0001069	428860	45.853308
rs62064918	T	C	0.244545	-0.0103075	0.0018787	4.10E-08	7.02E-05	428860	30.100974
rs630194	C	T	0.343374	-0.0113533	0.0016985	2.30E-11	0.0001042	428860	44.678209
rs6469262	C	T	0.564966	-0.0091535	0.001629	1.90E-08	7.36E-05	428860	31.575773
rs73075167	T	A	0.12918	-0.0160639	0.0024443	5.00E-11	0.0001007	428860	43.191123
rs75347775	A	G	0.244531	0.0104504	0.001879	2.70E-08	7.21E-05	428860	30.932818
rs780093	C	T	0.615839	0.0132935	0.001657	1.00E-15	0.0001501	428860	64.366197
rs7811609	T	C	0.374746	0.0091386	0.0016647	4.00E-08	7.03E-05	428860	30.13697
rs78267637	G	C	0.038115	-0.0254259	0.0043166	3.90E-09	8.09E-05	428860	34.695172
rs8056750	T	C	0.359129	0.0105333	0.0017369	1.30E-09	8.57E-05	428860	36.776234
rs9398171	T	C	0.71064	0.0108577	0.00178	1.10E-09	8.68E-05	428860	37.209861

Cooked vegetable intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10156602	G	A	0.361369	0.0110063	0.00163687	1.80E-11	0.000100763	448651	45.21186042
rs10161952	C	A	0.31274	-0.0095798	0.00168589	1.30E-08	7.20E-05	448651	32.28884271
rs11138705	C	G	0.757204	0.0103715	0.00183004	1.40E-08	7.16E-05	448651	32.1188541
rs12550717	A	G	0.372413	0.00918737	0.00161897	1.40E-08	7.18E-05	448651	32.2034852
rs12629972	C	T	0.588311	0.0117995	0.00159079	1.20E-13	0.000122614	448651	55.01733741
rs1421085	C	T	0.40346	0.0103316	0.00159054	8.30E-11	9.40E-05	448651	42.19335311
rs1816263	C	T	0.280188	0.00958122	0.00174063	3.70E-08	6.75E-05	448651	30.2988929
rs2052063	T	C	0.515902	-0.00945755	0.0015679	1.60E-09	8.11E-05	448651	36.38468637
rs2102738	C	A	0.172403	-0.0121578	0.00208302	5.30E-09	7.59E-05	448651	34.0660025
rs2252508	G	A	0.480256	0.0091021	0.00156216	5.70E-09	7.57E-05	448651	33.94925455
rs2844672	A	G	0.624125	-0.00964215	0.00160923	2.10E-09	8.00E-05	448651	35.90125167
rs28450747	A	G	0.23257	-0.0101604	0.0018547	4.30E-08	6.69E-05	448651	30.01043784
rs28711392	C	T	0.367132	-0.0107461	0.00163223	4.60E-11	9.66E-05	448651	43.34481041
rs34155012	T	C	0.227386	0.0105584	0.00192208	3.90E-08	6.73E-05	448651	30.17528402
rs349062	C	G	0.39275	-0.00890406	0.00159767	2.50E-08	6.92E-05	448651	31.05990041
rs4851029	G	T	0.526969	0.0101744	0.00156423	7.80E-11	9.43E-05	448651	42.30721695
rs838133	G	A	0.549575	0.0116877	0.00161465	4.50E-13	0.000116773	448651	52.39615055

Dried fruit intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10026792	A	G	0.290404	0.0108465	0.0018423	3.90E-09	8.22E-05	421764	34.66222823
rs10129747	G	A	0.530254	0.00935902	0.00168126	2.60E-08	7.35E-05	421764	30.98767057
rs10740991	C	G	0.717606	0.016739	0.00185722	2.00E-19	0.000192566	421764	81.23258163
rs10896126	G	A	0.303582	-0.015009	0.00181919	1.60E-16	0.000161364	421764	68.06836761
rs11152349	A	G	0.302856	0.00991215	0.0018176	4.90E-08	7.05E-05	421764	29.73973153
rs11586016	C	G	0.371004	0.00987818	0.00173034	1.10E-08	7.73E-05	421764	32.59034193
rs11632215	C	A	0.120179	-0.0141434	0.00258382	4.40E-08	7.10E-05	421764	29.96270909
rs11720884	G	A	0.250137	0.0111797	0.00193554	7.60E-09	7.91E-05	421764	33.36214289
rs11772627	C	G	0.18202	0.0183338	0.00217099	3.00E-17	0.000169062	421764	71.31604878
rs11811826	A	T	0.224231	0.0132178	0.0020058	4.40E-11	0.000102951	421764	43.42512118
rs12137234	T	C	0.303772	0.0102051	0.00183744	2.80E-08	7.31E-05	421764	30.84651727
rs1582322	G	A	0.604805	0.00994346	0.00171571	6.80E-09	7.96E-05	421764	33.58808453
rs1622515	G	A	0.484704	0.00991719	0.00167077	2.90E-09	8.35E-05	421764	35.23237105
rs1648404	T	C	0.476112	0.00941595	0.00167357	1.80E-08	7.50E-05	421764	31.65471907
rs17175518	A	C	0.232775	0.0114962	0.00197514	5.90E-09	8.03E-05	421764	33.87745626
rs17184707	T	C	0.212811	-0.0114381	0.00204011	2.10E-08	7.45E-05	421764	31.43392044
rs1797235	C	G	0.374623	-0.0100206	0.00174235	8.90E-09	7.84E-05	421764	33.07612268
rs2328887	C	T	0.899467	0.0189482	0.00277607	8.80E-12	0.000110448	421764	46.58788932
rs2533273	A	C	0.48453	-0.00987659	0.00167714	3.90E-09	8.22E-05	421764	34.67954235
rs261809	G	A	0.540636	-0.00962858	0.00167902	9.80E-09	7.80E-05	421764	32.88597241
rs3101339	C	A	0.603285	0.0142595	0.00170546	6.20E-17	0.000165723	421764	69.90744986
rs34162196	T	C	0.101001	-0.0223628	0.00277168	7.10E-16	0.000154323	421764	65.09747207
rs3764002	T	C	0.261416	0.0131215	0.00190081	5.10E-12	0.000112972	421764	47.65269793
rs4140799	A	G	0.531856	0.0094566	0.00167846	1.80E-08	7.53E-05	421764	31.74285517
rs4149513	A	G	0.493537	0.01173	0.00167139	2.20E-12	0.000116767	421764	49.25364388
rs4269101	G	T	0.718948	-0.0138099	0.00185921	1.10E-13	0.000130797	421764	55.17243033
rs429358	C	T	0.154208	0.0199445	0.00231362	6.70E-18	0.000176164	421764	74.31221173
rs4800488	A	C	0.489858	0.0119836	0.00167202	7.70E-13	0.000121778	421764	51.36764
rs57499472	C	T	0.404131	0.00991231	0.00171869	8.10E-09	7.89E-05	421764	33.26232419
rs62084586	C	T	0.165729	0.0133946	0.00226174	3.20E-09	8.32E-05	421764	35.07293261
rs72720396	G	A	0.229157	0.0114265	0.00198541	8.70E-09	7.85E-05	421764	33.12256634
rs746868	G	C	0.614662	-0.0129055	0.00171452	5.20E-14	0.000134319	421764	56.65816434
rs75641275	C	A	0.143372	-0.0141613	0.00238518	2.90E-09	8.36E-05	421764	35.250223
rs7582086	T	G	0.468273	-0.00962821	0.00167381	8.80E-09	7.84E-05	421764	33.08847353
rs7599488	T	C	0.426408	-0.0104154	0.00168729	6.70E-10	9.03E-05	421764	38.10398368
rs7808471	C	T	0.322136	-0.0115362	0.00178604	1.10E-10	9.89E-05	421764	41.71969567
rs7829800	G	A	0.671041	-0.0104463	0.00178709	5.10E-09	8.10E-05	421764	34.16882772
rs8081370	T	C	0.910232	-0.0166666	0.00293795	1.40E-08	7.63E-05	421764	32.18126893
rs862227	G	A	0.458327	-0.0091646	0.00167238	4.30E-08	7.12E-05	421764	30.02997973
rs893856	A	G	0.148988	-0.013361	0.00234923	1.30E-08	7.67E-05	421764	32.34631356
rs9385269	T	C	0.524565	0.0120673	0.00168183	7.20E-13	0.000122049	421764	51.48182925

Fresh fruit intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10064431	C	T	0.522495	-0.00757392	0.00122365	6.00E-10	8.58E-05	446462	38.311138
rs10192394	T	C	0.528785	-0.00766096	0.0012287	4.50E-10	8.71E-05	446462	38.87520816
rs10249294	A	G	0.372973	0.0195637	0.00126299	4.10E-54	0.000537136	446462	239.9386548
rs10271924	T	C	0.492595	-0.00704676	0.00125592	2.00E-08	7.05E-05	446462	31.48132933
rs1051547	C	T	0.561537	-0.00757523	0.00124161	1.10E-09	8.34E-05	446462	37.2236793
rs10828266	G	A	0.715634	0.0123642	0.00135696	8.10E-20	0.000185923	446462	83.02253802
rs10838724	T	G	0.367992	0.00901088	0.00128277	2.10E-12	0.000110511	446462	49.34405971
rs10840126	G	A	0.376121	-0.00771754	0.00128576	1.90E-09	8.07E-05	446462	36.02765632
rs11032362	A	G	0.090976	0.0123929	0.00212339	5.30E-09	7.63E-05	446462	34.06311884
rs11085749	A	G	0.387076	-0.00773361	0.00125477	7.10E-10	8.51E-05	446462	37.98694215
rs11248509	T	A	0.371237	0.00732973	0.00126801	7.40E-09	7.48E-05	446462	33.41401411
rs11896330	A	G	0.632839	-0.00844567	0.0012744	3.40E-11	9.84E-05	446462	43.91923281
rs12044599	G	A	0.21008	0.00942073	0.0015033	3.70E-10	8.80E-05	446462	39.27135205
rs12536253	C	G	0.24901	-0.00815943	0.00141599	8.30E-09	7.44E-05	446462	33.20452897
rs12641371	T	C	0.433148	0.00791271	0.00123354	1.40E-10	9.22E-05	446462	41.14736973
rs12780952	A	G	0.286382	0.00747457	0.00135361	3.40E-08	6.83E-05	446462	30.49182181
rs12885598	A	G	0.596671	0.00751549	0.00124738	1.70E-09	8.13E-05	446462	36.30070872
rs13072255	C	A	0.493966	0.00898012	0.00122355	2.10E-13	0.000120638	446462	53.86651662
rs1356292	T	C	0.807546	0.00917471	0.00155324	3.50E-09	7.81E-05	446462	34.89037308
rs1375566	A	G	0.627412	-0.00783382	0.001266	6.10E-10	8.58E-05	446462	38.28933467
rs139042899	C	A	0.013469	0.035995	0.00608106	3.20E-09	7.85E-05	446462	35.03675153
rs149449	A	G	0.489167	0.00728855	0.00122061	2.40E-09	7.99E-05	446462	35.65549598
rs1620977	G	A	0.730517	-0.0131742	0.00137761	1.10E-21	0.000204796	446462	91.45216384
rs17049185	T	G	0.267872	0.00804043	0.00139033	7.30E-09	7.49E-05	446462	33.44420042
rs1866823	A	G	0.544469	0.00743079	0.0012406	2.10E-09	8.04E-05	446462	35.87603812
rs2093654	G	A	0.388133	0.00712915	0.00125874	1.50E-08	7.18E-05	446462	32.07757233
rs2143081	A	G	0.539822	0.00832073	0.00122891	1.30E-11	0.000102672	446462	45.84381567
rs2790688	T	C	0.154068	0.0114466	0.00169613	1.50E-11	0.000102001	446462	45.54417048
rs28479795	T	C	0.221473	0.0112324	0.00147345	2.50E-14	0.000130147	446462	58.11287611
rs2867113	A	G	0.130942	-0.0138606	0.00196025	1.50E-12	0.000111972	446462	49.99645254
rs329274	G	A	0.485636	0.0068183	0.00122813	2.80E-08	6.90E-05	446462	30.82205464
rs34162196	T	C	0.1008	-0.0181417	0.0020297	4.00E-19	0.000178908	446462	79.8896122
rs4302893	A	G	0.334189	0.00738857	0.00129959	1.30E-08	7.24E-05	446462	32.3225873
rs4953150	T	C	0.344088	-0.00843921	0.00129268	6.60E-11	9.55E-05	446462	42.62060235
rs559734	C	G	0.711817	0.00776806	0.00136078	1.10E-08	7.30E-05	446462	32.58722371
rs586346	C	T	0.635353	-0.0069217	0.00126583	4.50E-08	6.70E-05	446462	29.90011306
rs60452247	A	G	0.363079	0.00796969	0.00126932	3.40E-10	8.83E-05	446462	39.42200113
rs62051554	A	G	0.108545	0.0116118	0.00198143	4.60E-09	7.69E-05	446462	34.34311469
rs6475724	T	C	0.727296	0.00772163	0.00137406	1.90E-08	7.07E-05	446462	31.57945534
rs72974263	T	C	0.318282	0.00738684	0.00131242	1.80E-08	7.10E-05	446462	31.67887564
rs73455661	G	A	0.279338	0.0102938	0.0013622	4.10E-14	0.000127888	446462	57.10416094
rs739320	C	T	0.60575	-0.00899731	0.00127708	1.90E-12	0.000111162	446462	49.63490738
rs7554485	C	T	0.611539	-0.00801014	0.00125414	1.70E-10	9.14E-05	446462	40.79305478
rs7818437	C	T	0.235903	-0.00804815	0.00145251	3.00E-08	6.88E-05	446462	30.70095723
rs78537042	A	C	0.086801	-0.0119259	0.00218432	4.80E-08	6.68E-05	446462	29.80903087
rs7869969	G	A	0.330836	0.00756738	0.00129919	5.70E-09	7.60E-05	446462	33.92687057
rs7982441	C	T	0.731883	-0.00841258	0.00137614	9.80E-10	8.37E-05	446462	37.37069991
rs8095324	G	A	0.404041	-0.00694613	0.00124903	2.70E-08	6.93E-05	446462	30.92702385
rs817223	C	T	0.481314	-0.00726908	0.00122339	2.80E-09	7.91E-05	446462	35.30425888
rs862227	G	A	0.457858	-0.0101452	0.00122398	1.10E-16	0.000153858	446462	68.70219894
rs9517948	T	C	0.451352	0.00695315	0.00123287	1.70E-08	7.12E-05	446462	31.80729098
rs9919429	G	A	0.486008	-0.00672322	0.00122289	3.80E-08	6.77E-05	446462	30.22580753
rs994270	G	C	0.235126	0.0132585	0.00144389	4.20E-20	0.000188823	446462	84.31767511

Lamb/mutton intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs11090045	A	G	0.307145	-0.0106761	0.0016066	3.00E-11	9.60E-05	460006	44.159492
rs11743441	T	G	0.574343	-0.008842	0.0014859	2.70E-09	7.70E-05	460006	35.408004
rs12634740	G	T	0.252078	-0.010087	0.0016972	2.80E-09	7.68E-05	460006	35.323713
rs136548	T	C	0.376668	0.0095324	0.0015123	2.90E-10	8.64E-05	460006	39.732406
rs139237013	A	G	0.057668	0.0188989	0.0031401	1.80E-09	7.87E-05	460006	36.223675
rs1556147	T	A	0.671626	0.0091013	0.0015591	5.30E-09	7.41E-05	460006	34.07761
rs16891982	G	C	0.972143	-0.0242681	0.0043644	2.70E-08	6.72E-05	460006	30.919078
rs17270057	C	T	0.113347	0.0126533	0.002309	4.30E-08	6.53E-05	460006	30.030955
rs1958801	G	A	0.287998	-0.0089439	0.0016175	3.20E-08	6.65E-05	460006	30.575231
rs2222760	A	G	0.28089	-0.0090929	0.0016373	2.80E-08	6.70E-05	460006	30.843678
rs2678900	G	T	0.427924	0.0100844	0.0014812	9.90E-12	0.0001008	460006	46.352877
rs2726033	G	A	0.422384	-0.0094897	0.0014804	1.50E-10	8.93E-05	460006	41.090485
rs276453	C	A	0.488356	-0.014237	0.0014672	2.90E-22	0.0002046	460006	94.153981
rs2926119	A	C	0.569417	0.0081112	0.0014818	4.40E-08	6.51E-05	460006	29.963744
rs3105056	C	T	0.732738	-0.0116241	0.0016485	1.80E-12	0.0001081	460006	49.718476
rs35797675	G	T	0.215928	-0.0108498	0.0017934	1.40E-09	7.96E-05	460006	36.600519
rs3964074	C	T	0.547043	-0.0081411	0.0014722	3.20E-08	6.65E-05	460006	30.580501
rs4272399	A	C	0.321491	-0.0092423	0.0015757	4.50E-09	7.48E-05	460006	34.405561
rs429358	C	T	0.154171	-0.0181966	0.0020267	2.70E-19	0.0001752	460006	80.6112
rs4489752	T	G	0.836007	0.013811	0.0019759	2.80E-12	0.0001062	460006	48.858038

rs55813438	A	G	0.763165	-0.0114181	0.0017352	4.70E-11	9.41E-05	460006	43.299883
rs56394517	G	A	0.09584	-0.0137749	0.0024912	3.20E-08	6.65E-05	460006	30.57341
rs62106258	C	T	0.048562	0.0216304	0.0034015	2.00E-10	8.79E-05	460006	40.436732
rs62398404	T	C	0.127211	0.0129151	0.0021943	4.00E-09	7.53E-05	460006	34.64158
rs6581296	G	C	0.794714	0.0100199	0.0018243	4.00E-08	6.56E-05	460006	30.166025
rs660880	A	G	0.51281	-0.0090323	0.001464	6.80E-10	8.27E-05	460006	38.064099
rs673696	T	C	0.080995	0.0158208	0.002682	3.70E-09	7.56E-05	460006	34.795613
rs6829572	A	G	0.456717	0.008401	0.0014741	1.20E-08	7.06E-05	460006	32.481027
rs7447465	C	T	0.619449	0.0095823	0.0015062	2.00E-10	8.80E-05	460006	40.473817
rs7550173	T	A	0.610281	-0.0091239	0.0015023	1.30E-09	8.02E-05	460006	36.88442
rs994270	G	C	0.234851	0.0098203	0.0017295	1.40E-08	7.01E-05	460006	32.241596

Non-oily fish intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs11680516	C	T	0.202388	0.0122842	0.00202829	1.40E-09	7.96E-05	460880	36.68020664
rs1260326	C	T	0.604249	-0.00955354	0.0016553	7.90E-09	7.23E-05	460880	33.30990069
rs16822430	C	T	0.23321	0.0116344	0.00191996	1.40E-09	7.97E-05	460880	36.71992081
rs17317920	G	A	0.479238	0.00906029	0.0016312	2.80E-08	6.69E-05	460880	30.8509035
rs35287743	T	G	0.11583	-0.0177401	0.00255244	3.60E-12	0.000104802	460880	48.30578662
rs3799077	G	T	0.309993	-0.0107346	0.00175764	1.00E-09	8.09E-05	460880	37.30009967
rs4318925	T	C	0.177245	-0.0150377	0.0021207	1.30E-12	0.000109086	460880	50.28083433
rs56094641	G	A	0.404619	0.0125875	0.00165108	2.50E-14	0.000126096	460880	58.12204001
rs6957745	C	T	0.202978	-0.0121791	0.00202331	1.80E-09	7.86E-05	460880	36.23294645
rs7148387	G	A	0.590715	-0.00930647	0.00165022	1.70E-08	6.90E-05	460880	31.80419344
rs838133	G	A	0.549409	0.016184	0.00167625	4.70E-22	0.000202217	460880	93.21638854

Oily fish intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10061973	T	G	0.5139	-0.0108521	0.001916	1.50E-08	6.97E-05	460443	32.080693
rs10076975	C	T	0.381413	0.0112394	0.0019672	1.10E-08	7.09E-05	460443	32.642795
rs10510554	C	T	0.569277	0.0110446	0.0019364	1.20E-08	7.07E-05	460443	32.533133
rs10513136	A	G	0.065424	-0.0233232	0.0038631	1.60E-09	7.92E-05	460443	36.450982
rs10828250	G	C	0.309332	-0.0201462	0.0020734	2.60E-22	0.000205	460443	94.409135
rs114497213	T	G	0.05481	0.0273225	0.0042361	1.10E-10	9.03E-05	460443	41.602251
rs11767283	G	A	0.221709	0.0176735	0.0023194	2.50E-14	0.0001261	460443	58.060491
rs11859365	C	A	0.253765	0.0225669	0.0021968	9.40E-25	0.0002291	460443	105.5273
rs1201289	G	T	0.394525	-0.0107265	0.0019595	4.40E-08	6.51E-05	460443	29.965647
rs12663865	A	G	0.758185	0.012772	0.0022324	1.10E-08	7.11E-05	460443	32.732245
rs12855717	T	C	0.526774	-0.0122298	0.0019228	2.00E-10	8.79E-05	460443	40.456768
rs12896749	C	G	0.384721	-0.0109641	0.0019661	2.50E-08	6.75E-05	460443	31.098979
rs12983532	T	C	0.251137	-0.0133895	0.0022333	2.00E-09	7.81E-05	460443	35.943555
rs13070166	A	T	0.228586	0.0142105	0.0022781	4.40E-10	8.45E-05	460443	38.910557
rs1361016	G	T	0.844853	0.0149567	0.002653	1.70E-08	6.90E-05	460443	31.784219
rs1421085	C	T	0.40341	0.0184814	0.0019487	2.50E-21	0.0001953	460443	89.942407
rs16891727	A	C	0.129814	-0.0237173	0.00284	6.80E-17	0.0001514	460443	69.74013
rs17050031	T	C	0.4801	-0.0120492	0.0019207	3.50E-10	8.55E-05	460443	39.354597
rs1876245	C	T	0.431482	0.0151162	0.0019312	5.00E-15	0.000133	460443	61.266049
rs1951286	G	T	0.644911	-0.0145833	0.0019995	3.00E-13	0.0001155	460443	53.195587
rs2374424	G	A	0.601525	-0.0114437	0.0019561	4.90E-09	7.43E-05	460443	34.225782
rs275160	C	T	0.700597	0.0121188	0.002101	8.00E-09	7.23E-05	460443	33.27222
rs2827161	G	T	0.422842	0.0107114	0.0019372	3.20E-08	6.64E-05	460443	30.57357
rs28533540	A	G	0.534203	0.0146421	0.0019248	2.80E-14	0.0001257	460443	57.868557
rs28623270	T	A	0.14872	-0.0178328	0.0027375	7.30E-11	9.22E-05	460443	42.436702
rs2952140	T	C	0.482607	-0.0106774	0.001915	2.50E-08	6.75E-05	460443	31.086615
rs303817	G	A	0.751146	0.0135799	0.0022097	8.00E-10	8.20E-05	460443	37.769765
rs3124402	G	A	0.733261	-0.0220014	0.0021565	1.90E-24	0.000226	460443	104.08683
rs34555420	T	G	0.097821	-0.0237676	0.0032191	1.50E-13	0.0001184	460443	54.513647
rs35287743	T	G	0.115869	-0.0282201	0.0030107	7.00E-21	0.0001908	460443	87.8572
rs4002471	T	C	0.547362	-0.0192439	0.0019244	1.50E-23	0.0002171	460443	99.998526
rs4278546	G	A	0.441085	0.0125555	0.0019381	9.30E-11	9.11E-05	460443	41.969298
rs4510068	T	G	0.402798	-0.0130135	0.0019708	4.00E-11	9.47E-05	460443	43.600596
rs45501495	T	C	0.236013	0.0156803	0.0022571	3.70E-12	0.0001048	460443	48.26071
rs4869859	C	T	0.449939	0.0140098	0.0019221	3.10E-13	0.0001154	460443	53.128014
rs4982738	A	G	0.582899	0.0108608	0.0019694	3.50E-08	6.60E-05	460443	30.413858
rs510161	G	C	0.31037	-0.0112998	0.0020662	4.50E-08	6.50E-05	460443	29.909967
rs552234	A	G	0.495449	-0.0116474	0.0019125	1.10E-09	8.05E-05	460443	37.088915
rs55930451	T	C	0.108001	-0.0170539	0.0030757	2.90E-08	6.68E-05	460443	30.744403
rs55985303	A	G	0.241079	0.0129737	0.0022363	6.60E-09	7.31E-05	460443	33.656548
rs59355765	T	C	0.160079	-0.0162522	0.0026097	4.70E-10	8.42E-05	460443	38.784176
rs6033437	A	C	0.257329	0.0124683	0.0022098	1.70E-08	6.91E-05	460443	31.835997
rs6059844	G	A	0.495121	0.0110001	0.0019145	9.20E-09	7.17E-05	460443	33.012324
rs6089753	T	C	0.530967	-0.011542	0.0019184	1.80E-09	7.86E-05	460443	36.197779
rs61882686	A	C	0.085234	0.0197559	0.0034254	8.00E-09	7.22E-05	460443	33.263594
rs631490	C	G	0.709106	-0.0151398	0.0021025	6.00E-13	0.0001126	460443	51.850624
rs6465487	G	A	0.399814	-0.0123535	0.0019563	2.70E-10	8.66E-05	460443	39.876416
rs703987	C	G	0.615005	0.0111218	0.0019736	1.70E-08	6.90E-05	460443	31.755664
rs7243428	G	A	0.224648	-0.0129784	0.0022921	1.50E-08	6.96E-05	460443	32.060163
rs7254235	G	A	0.577254	-0.0106304	0.0019401	4.30E-08	6.52E-05	460443	30.022036
rs75887709	G	A	0.13588	-0.0159106	0.0028148	1.60E-08	6.94E-05	460443	31.950389

rs7683782	G	C	0.833405	0.0144775	0.002574	1.90E-08	6.87E-05	460443	31.63527
rs790564	C	A	0.722952	0.0146906	0.0021477	7.90E-12	0.0001016	460443	46.789254
rs905575	G	C	0.82397	0.0138824	0.0025192	3.60E-08	6.59E-05	460443	30.367726
rs9597870	G	T	0.245844	-0.0127449	0.0022305	1.10E-08	7.09E-05	460443	32.649918
rs9606833	C	T	0.243593	0.0169856	0.0022309	2.70E-14	0.0001259	460443	57.971077
rs973526	T	C	0.513307	-0.011507	0.0019296	2.50E-09	7.72E-05	460443	35.561392
rs9841174	C	T	0.373913	0.0147781	0.0019803	8.50E-14	0.0001209	460443	55.692315
rs9889161	T	G	0.357929	-0.0133201	0.0020015	2.80E-11	9.62E-05	460443	44.289614
rs9958909	G	T	0.139718	0.0157617	0.0027781	1.40E-08	6.99E-05	460443	32.189305

Pork intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10972033	T	G	0.45643	0.00897557	0.00147851	1.30E-09	8.01E-05	460162	36.85306868
rs11211124	C	T	0.230603	-0.00995273	0.00175408	1.40E-08	7.00E-05	460162	32.19465415
rs12721051	G	C	0.188393	-0.0123637	0.00188666	5.60E-11	9.33E-05	460162	42.9445193
rs1355171	A	C	0.488844	-0.0109832	0.001477	1.00E-13	0.000120153	460162	55.29615143
rs2387807	T	C	0.077893	-0.0150846	0.00274837	4.10E-08	6.55E-05	460162	30.12418532
rs34161520	G	C	0.160381	0.0115919	0.0020206	9.60E-09	7.15E-05	460162	32.9114235
rs36124222	C	T	0.433239	0.00840935	0.00150083	2.10E-08	6.82E-05	460162	31.39496221
rs3964074	C	T	0.546932	-0.00895091	0.00148347	1.60E-09	7.91E-05	460162	36.40616701
rs4146837	T	C	0.455561	0.00879226	0.0014944	4.00E-09	7.52E-05	460162	34.61508794
rs7641973	A	G	0.353362	0.00844615	0.00154097	4.20E-08	6.53E-05	460162	30.04189507
rs9973426	G	A	0.176598	0.0110847	0.00193678	1.00E-08	7.12E-05	460162	32.75558924

Poultry intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs1051730	A	G	0.331381	-0.0108759	0.00192936	1.70E-08	6.88E-05	461900	31.7762022
rs2426440	G	A	0.732602	0.0112177	0.00205323	4.70E-08	6.46E-05	461900	29.84905318
rs2565017	A	G	0.372697	0.0109515	0.00188211	5.90E-09	7.33E-05	461900	33.85753454
rs2965200	A	G	0.640011	-0.0104197	0.00190089	4.20E-08	6.50E-05	461900	30.04654758
rs7829800	G	A	0.670759	0.011458	0.00194283	3.70E-09	7.53E-05	461900	34.78132748
rs9923768	A	G	0.59853	0.0105123	0.00185899	1.60E-08	6.92E-05	461900	31.97713165
rs9997448	T	C	0.369236	-0.0104646	0.00188288	2.70E-08	6.69E-05	461900	30.88859111

Processed meat intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10454812	C	A	0.103032	-0.0199599	0.0034421	6.70E-09	7.28E-05	461981	33.626018
rs11032380	T	A	0.333352	-0.0133229	0.002223	2.10E-09	7.77E-05	461981	35.919995
rs11887120	T	C	0.397683	0.0119621	0.0021604	3.10E-08	6.64E-05	461981	30.657206
rs11894162	T	C	0.547464	0.0120489	0.002107	1.10E-08	7.08E-05	461981	32.701833
rs1422192	A	G	0.158076	0.0169681	0.0028713	3.40E-09	7.56E-05	461981	34.923154
rs203319	T	C	0.204594	-0.016423	0.0026019	2.80E-10	8.62E-05	461981	39.841461
rs2873054	C	A	0.353276	0.0139958	0.0021899	1.60E-10	8.84E-05	461981	40.847067
rs34241936	G	A	0.037369	0.0328367	0.0057534	1.10E-08	7.05E-05	461981	32.574107
rs3762621	T	C	0.183451	-0.0149895	0.0027197	3.60E-08	6.57E-05	461981	30.377105
rs4077924	C	T	0.701892	0.0124987	0.0022847	4.50E-08	6.48E-05	461981	29.927955
rs4240672	A	G	0.494014	0.0171201	0.0020941	3.00E-16	0.0001447	461981	66.835559
rs4778053	G	C	0.843808	0.0164667	0.0028987	1.30E-08	6.98E-05	461981	32.269983
rs6010651	C	A	0.379439	-0.0124059	0.002168	1.10E-08	7.09E-05	461981	32.745539
rs6484504	C	T	0.72462	0.0154728	0.0023479	4.40E-11	9.40E-05	461981	43.428692
rs6765179	A	G	0.309968	-0.0127603	0.0022661	1.80E-08	6.86E-05	461981	31.708601
rs6786550	C	T	0.635043	0.0121871	0.0021741	2.10E-08	6.80E-05	461981	31.423013
rs6961970	A	C	0.244698	-0.0140142	0.0024414	9.50E-09	7.13E-05	461981	32.950919
rs77165542	T	C	0.035496	0.0338786	0.005725	3.30E-09	7.58E-05	461981	35.018296
rs8096167	C	T	0.1926	-0.0145937	0.0026708	4.70E-08	6.46E-05	461981	29.856109
rs838133	G	A	0.549369	0.0190137	0.0021656	1.60E-18	0.0001668	461981	77.089453
rs9809856	G	A	0.475881	0.0132887	0.0020997	2.50E-10	8.67E-05	461981	40.055396

Salad/raw vegetable intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs1011939	A	G	0.715949	-0.00836985	0.00159085	1.40E-07	6.36E-05	435435	27.68056117
rs1019957	G	C	0.221198	0.00899063	0.00173916	2.30E-07	6.14E-05	435435	26.72385945
rs1052352	T	C	0.52355	0.00816444	0.00142564	1.00E-08	7.53E-05	435435	32.79676927
rs10819082	A	G	0.66734	-0.00916475	0.00151342	1.40E-09	8.42E-05	435435	36.67079393
rs11609549	T	C	0.068831	0.014222	0.00281969	4.60E-07	5.84E-05	435435	25.4399718
rs11824377	G	A	0.561266	-0.00742291	0.00143507	2.30E-07	6.14E-05	435435	26.75470851
rs12203592	T	C	0.219338	-0.0102862	0.00169411	1.30E-09	8.47E-05	435435	36.8658899
rs12373799	A	G	0.096051	-0.0125555	0.00245982	3.30E-07	5.98E-05	435435	26.05309802
rs12908495	A	C	0.242533	-0.00935	0.00166573	2.00E-08	7.24E-05	435435	31.50735977
rs13020607	C	T	0.166083	-0.0100814	0.0019136	1.40E-07	6.37E-05	435435	27.75475345
rs146555011	T	C	0.037669	0.0190804	0.00377612	4.40E-07	5.86E-05	435435	25.53179689
rs17460017	T	A	0.190124	0.0111744	0.00181338	7.20E-10	8.72E-05	435435	37.97246486
rs1890012	G	T	0.19473	-0.0104258	0.00180794	8.10E-09	7.64E-05	435435	33.25437251
rs191948657	A	T	0.049748	-0.0176674	0.00327126	6.60E-08	6.70E-05	435435	29.1684373
rs2866121	A	C	0.491496	0.00743656	0.00142892	1.90E-07	6.22E-05	435435	27.08484459
rs2897290	T	C	0.405164	0.00810469	0.00153135	1.20E-07	6.43E-05	435435	28.0105667
rs2924716	G	T	0.511872	-0.0077534	0.00144371	7.90E-08	6.62E-05	435435	28.84180629
rs324499	A	T	0.838747	0.0102272	0.00193969	1.30E-07	6.38E-05	435435	27.80013146
rs34186148	C	G	0.370054	-0.00805142	0.0014749	4.80E-08	6.84E-05	435435	29.80010664
rs4083969	G	C	0.057217	0.017133	0.00311517	3.80E-08	6.95E-05	435435	30.24832505
rs4291983	A	C	0.517576	-0.00839985	0.00142481	3.70E-09	7.98E-05	435435	34.75578945
rs4762485	T	C	0.257137	-0.00838643	0.00163873	3.10E-07	6.01E-05	435435	26.19011764
rs56367474	T	C	0.313191	-0.00784897	0.00153837	3.40E-07	5.98E-05	435435	26.03165257
rs57221424	G	C	0.321733	0.00894101	0.00153327	5.50E-09	7.81E-05	435435	34.00430397
rs62132810	A	G	0.113144	0.0120967	0.0023241	1.90E-07	6.22E-05	435435	27.09082334
rs62150280	G	T	0.019736	-0.0276917	0.0051321	6.80E-08	6.69E-05	435435	29.1143448
rs62461186	C	A	0.179827	-0.0113438	0.00185732	1.00E-09	8.57E-05	435435	37.3028193
rs638089	T	C	0.518052	-0.00748736	0.00142893	1.60E-07	6.30E-05	435435	27.45576359
rs6482190	G	A	0.719408	0.0112719	0.00159025	1.40E-12	0.000115369	435435	50.24136743
rs71466817	T	C	0.211939	0.0092934	0.00175987	1.30E-07	6.40E-05	435435	27.88599142
rs75248709	T	C	0.045947	-0.0197339	0.00352774	2.20E-08	7.19E-05	435435	31.29181202
rs75525887	C	G	0.021056	-0.0280819	0.00515997	5.30E-08	6.80E-05	435435	29.61806139
rs790561	G	A	0.704134	0.012474	0.00156199	1.40E-15	0.000146443	435435	63.77536992
rs7970482	A	G	0.311354	-0.00804053	0.00153893	1.70E-07	6.27E-05	435435	27.29792441
rs817555	A	G	0.455008	-0.00725229	0.00143722	4.50E-07	5.85E-05	435435	25.46254591
rs9342711	G	A	0.300663	0.00785584	0.00155878	4.70E-07	5.83E-05	435435	25.39882435
rs9383456	G	A	0.784931	0.00876271	0.00173299	4.30E-07	5.87E-05	435435	25.56717652
rs9531213	G	C	0.12717	-0.0111258	0.00215196	2.30E-07	6.14E-05	435435	26.72957869
rs9837462	A	C	0.342977	0.00821484	0.00150771	5.10E-08	6.82E-05	435435	29.68660902

Tea intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10741694	C	T	0.627915	0.0150037	0.0021936	7.90E-12	0.0001045	447485	46.784256
rs10752269	A	G	0.506082	-0.0128727	0.0021198	1.30E-09	8.24E-05	447485	36.87806
rs10764990	A	G	0.607155	-0.0121906	0.002169	1.90E-08	7.06E-05	447485	31.589091
rs11164870	G	C	0.604574	-0.0119604	0.0021823	4.20E-08	6.71E-05	447485	30.036727
rs1156588	G	A	0.210071	-0.015454	0.0026033	2.90E-09	7.87E-05	447485	35.240992
rs11587444	G	A	0.393464	0.0140328	0.0021708	1.00E-10	9.34E-05	447485	41.788339
rs12591786	T	C	0.158804	-0.0184399	0.0029424	3.70E-10	8.78E-05	447485	39.273798
rs13282783	T	C	0.285899	-0.0135837	0.0023543	7.90E-09	7.44E-05	447485	33.289191
rs132904	C	G	0.778651	0.0166007	0.0025526	7.80E-11	9.45E-05	447485	42.295634
rs141071726	A	G	0.026713	0.0407321	0.006812	2.20E-09	7.99E-05	447485	35.753395
rs1453548	A	T	0.664929	-0.0133414	0.0022497	3.00E-09	7.86E-05	447485	35.167385
rs1481012	G	A	0.112209	-0.0262435	0.0033561	5.30E-15	0.0001366	447485	61.147254
rs149805207	G	A	0.008538	-0.0719337	0.0125823	1.10E-08	7.30E-05	447485	32.684571
rs17245213	A	G	0.208046	-0.0146481	0.0026091	2.00E-08	7.04E-05	447485	31.5207
rs17576658	A	G	0.247081	-0.0134812	0.0024566	4.10E-08	6.73E-05	447485	30.116462
rs17685	A	G	0.277512	0.0230655	0.002362	1.60E-22	0.0002131	447485	95.363549
rs2117137	G	A	0.405148	0.0129948	0.0021557	1.70E-09	8.12E-05	447485	36.337966
rs2273447	T	A	0.203788	0.0174715	0.0026342	3.30E-11	9.83E-05	447485	43.990374
rs2279844	A	G	0.379343	-0.0119879	0.0021832	4.00E-08	6.74E-05	447485	30.151241
rs2351187	A	G	0.318935	0.0129023	0.0022823	1.60E-08	7.14E-05	447485	31.958536
rs2472297	T	C	0.262049	0.0533453	0.002401	2.30E-109	0.0011019	447485	493.64336
rs2478875	G	A	0.208758	0.0218943	0.0026113	5.10E-17	0.0001571	447485	70.299134
rs2645929	G	A	0.813066	-0.0149842	0.0027166	3.50E-08	6.80E-05	447485	30.423823
rs4410790	C	T	0.631224	0.0405506	0.0021951	3.40E-76	0.0007621	447485	341.26825
rs4808193	C	T	0.335324	0.0151149	0.0022472	1.70E-11	0.0001011	447485	45.240267
rs4817505	C	T	0.38998	0.015068	0.0021746	4.20E-12	0.0001073	447485	48.012079
rs56188862	C	T	0.387454	-0.0157568	0.0021747	4.30E-13	0.0001173	447485	52.49711
rs56348300	G	C	0.184619	0.0158824	0.0027319	6.10E-09	7.55E-05	447485	33.798509
rs57462170	A	G	0.108773	0.0191505	0.0034056	1.90E-08	7.07E-05	447485	31.620109
rs57631352	G	A	0.296859	-0.0131035	0.0023212	1.70E-08	7.12E-05	447485	31.868292
rs6829	T	C	0.596155	-0.0119163	0.0021655	3.70E-08	6.77E-05	447485	30.281723
rs713598	G	C	0.402254	0.0133969	0.0021566	5.20E-10	8.62E-05	447485	38.58971
rs72797284	G	A	0.270797	-0.0171147	0.0023835	7.00E-13	0.0001152	447485	51.557921

rs7757102	G	A	0.555426	-0.0118039	0.002133	3.10E-08	6.84E-05	447485	30.623812
rs9302428	G	C	0.635799	0.0122457	0.0022012	2.60E-08	6.92E-05	447485	30.948413
rs9624470	A	G	0.580054	0.0252071	0.0021549	1.30E-31	0.0003057	447485	136.83895
rs9648476	A	G	0.622954	0.0125013	0.0021854	1.10E-08	7.31E-05	447485	32.721906
rs977474	T	C	0.833746	0.0217813	0.0028556	2.40E-14	0.00013	447485	58.180031
rs9937354	A	G	0.424074	-0.0140923	0.0021433	4.90E-11	9.66E-05	447485	43.231061

Water intake

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10758255	A	T	0.609855	-0.0107871	0.0018605	6.70E-09	7.86E-05	427588	33.617239
rs10892517	C	T	0.520643	-0.0094784	0.001817	1.80E-07	6.36E-05	427588	27.212698
rs10954732	A	G	0.671297	0.0106197	0.0019281	3.60E-08	7.09E-05	427588	30.337611
rs11012726	C	T	0.307334	-0.0122411	0.0019794	6.20E-10	8.94E-05	427588	38.243969
rs11125629	G	A	0.546761	0.0108674	0.001823	2.50E-09	8.31E-05	427588	35.538555
rs11140831	G	A	0.514151	-0.0123822	0.0018361	1.50E-11	0.0001063	427588	45.476965
rs11714200	A	G	0.619968	-0.0096423	0.001864	2.30E-07	6.26E-05	427588	26.758562
rs11770515	T	C	0.204743	0.0117475	0.0022516	1.80E-07	6.37E-05	427588	27.220904
rs117810762	A	G	0.017776	-0.0355633	0.006957	3.20E-07	6.11E-05	427588	26.131498
rs118027723	T	C	0.025678	-0.0302224	0.0057464	1.40E-07	6.47E-05	427588	27.661052
rs11890994	T	A	0.371683	0.0110947	0.0018794	3.60E-09	8.15E-05	427588	34.85051
rs12620738	T	C	0.483047	-0.0093072	0.0018187	3.10E-07	6.12E-05	427588	26.188355
rs12692772	A	C	0.124093	0.0148281	0.0027455	6.60E-08	6.82E-05	427588	29.16888
rs12894578	A	C	0.142195	-0.0133581	0.002601	2.80E-07	6.17E-05	427588	26.376875
rs12981418	T	G	0.378376	-0.0096882	0.0018811	2.60E-07	6.20E-05	427588	26.525423
rs1313237	C	A	0.392005	0.0096874	0.0018571	1.80E-07	6.36E-05	427588	27.210023
rs14135	C	T	0.217664	-0.0116877	0.0021958	1.00E-07	6.63E-05	427588	28.332078
rs1421085	C	T	0.403711	0.01201	0.0018458	7.70E-11	9.90E-05	427588	42.334641
rs146394874	A	C	0.049323	0.0261419	0.0042198	5.80E-10	8.97E-05	427588	38.379093
rs1515099	A	G	0.641505	0.0098429	0.001888	1.90E-07	6.36E-05	427588	27.17987
rs1554704	C	T	0.656919	-0.0101722	0.0019359	1.50E-07	6.46E-05	427588	27.608573
rs16989667	G	T	0.068516	0.0182449	0.0035959	3.90E-07	6.02E-05	427588	25.743533
rs17348586	G	A	0.092768	-0.0157104	0.0031241	4.90E-07	5.91E-05	427588	25.288958
rs182050989	T	C	0.02835	0.030528	0.0054739	2.40E-08	7.27E-05	427588	31.103019
rs1963510	G	A	0.458107	0.0133068	0.0018195	2.60E-13	0.0001251	427588	53.486122
rs2198234	T	G	0.528757	0.0116702	0.0018159	1.30E-10	9.66E-05	427588	41.300145
rs2229357	A	G	0.240393	-0.0122056	0.002115	7.90E-09	7.79E-05	427588	33.302986
rs2274156	T	C	0.258771	-0.011485	0.0020706	2.90E-08	7.19E-05	427588	30.76605
rs2289292	T	C	0.334337	-0.012769	0.001927	3.40E-11	0.0001027	427588	43.908471
rs2305813	C	G	0.123354	-0.019115	0.0027686	5.00E-12	0.0001115	427588	47.669291
rs2435200	A	G	0.412694	0.0112139	0.0018384	1.10E-09	8.70E-05	427588	37.20757
rs2472297	T	C	0.26061	-0.0334187	0.0020571	2.40E-59	0.0006168	427588	263.90607
rs2508822	G	A	0.514091	0.0095134	0.0018121	1.50E-07	6.45E-05	427588	27.562791
rs2535692	G	A	0.734146	0.0109653	0.0020491	8.70E-08	6.70E-05	427588	28.636861
rs256231	C	T	0.341685	-0.0104293	0.0019135	5.00E-08	6.95E-05	427588	29.707733
rs2656285	C	T	0.709918	0.0122418	0.0020072	1.10E-09	8.70E-05	427588	37.196571
rs2859264	T	C	0.232604	-0.0113494	0.0021483	1.30E-07	6.53E-05	427588	27.90858
rs34533294	C	T	0.018562	0.0364706	0.0068762	1.10E-07	6.58E-05	427588	28.131105
rs34940743	G	A	0.346783	-0.0103922	0.0018985	4.40E-08	7.01E-05	427588	29.964709
rs34967813	G	A	0.311025	-0.0120553	0.0019556	7.10E-10	8.89E-05	427588	38.00285
rs35028442	C	G	0.137272	0.0164243	0.002688	9.90E-10	8.73E-05	427588	37.335855
rs3746410	G	A	0.20396	0.0168391	0.0022503	7.30E-14	0.0001309	427588	55.998215
rs3763874	A	G	0.41763	0.0163297	0.0018396	6.90E-19	0.0001842	427588	78.794048
rs3808058	T	C	0.117807	0.0183317	0.0028162	7.50E-11	9.91E-05	427588	42.373261
rs3933088	C	T	0.433637	-0.0100115	0.001839	5.20E-08	6.93E-05	427588	29.635936
rs393521	G	T	0.222935	-0.0114037	0.0021758	1.60E-07	6.42E-05	427588	27.470058
rs4239466	C	A	0.391897	0.0106426	0.0018965	2.00E-08	7.36E-05	427588	31.492423
rs429358	C	T	0.154368	0.0166809	0.002509	3.00E-11	0.0001034	427588	44.201709
rs4329094	C	A	0.829781	-0.0122413	0.0024152	4.00E-07	6.01E-05	427588	25.688979
rs4410790	C	T	0.629877	-0.0308714	0.0018769	8.60E-61	0.0006323	427588	270.54093
rs4541895	A	G	0.729416	0.0106238	0.0020431	2.00E-07	6.32E-05	427588	27.039039
rs4603502	C	T	0.292378	-0.0130724	0.0019929	5.40E-11	0.0001006	427588	43.025794
rs4668413	A	C	0.865164	-0.0140901	0.0026468	1.00E-07	6.63E-05	427588	28.338529
rs56100328	G	A	0.090196	-0.0175542	0.0032167	4.80E-08	6.96E-05	427588	29.781162
rs570436	T	C	0.558667	-0.0095441	0.0018261	1.70E-07	6.39E-05	427588	27.316121
rs57113772	G	T	0.061202	0.0198627	0.0037909	1.60E-07	6.42E-05	427588	27.452425
rs58959216	C	A	0.172618	-0.012634	0.0024204	1.80E-07	6.37E-05	427588	27.245492
rs62519779	A	G	0.171317	-0.0127651	0.002413	1.20E-07	6.54E-05	427588	27.985416
rs6541139	C	T	0.356837	-0.0101581	0.0019104	1.10E-07	6.61E-05	427588	28.272566
rs654975	G	T	0.342381	-0.0097373	0.0019245	4.20E-07	5.99E-05	427588	25.59884
rs67174962	A	G	0.232324	-0.0122645	0.0021566	1.30E-08	7.56E-05	427588	32.340774
rs6823219	G	A	0.30417	-0.0118007	0.0019698	2.10E-09	8.39E-05	427588	35.889287
rs6836954	C	G	0.643183	-0.0099697	0.0018887	1.30E-07	6.52E-05	427588	27.863294
rs6844845	G	A	0.057487	-0.021514	0.0038941	3.30E-08	7.14E-05	427588	30.522921
rs6905712	A	T	0.664977	0.0110877	0.0019282	8.90E-09	7.73E-05	427588	33.066998
rs6933066	A	G	0.441025	0.0092001	0.0018242	4.60E-07	5.95E-05	427588	25.435823
rs6957745	C	T	0.202686	-0.015292	0.0022622	1.40E-11	0.0001069	427588	45.695777
rs7046799	C	T	0.334763	-0.0099034	0.0019183	2.40E-07	6.23E-05	427588	26.651459
rs7084062	G	A	0.49244	0.0097849	0.0018321	9.20E-08	6.67E-05	427588	28.525122
rs7124005	T	C	0.415348	0.0103665	0.0018604	2.50E-08	7.26E-05	427588	31.04981
rs7624543	T	C	0.628189	0.010136	0.0018728	6.20E-08	6.85E-05	427588	29.292582
rs7626335	C	A	0.668446	0.0107689	0.0019327	2.50E-08	7.26E-05	427588	31.047079

rs77236002	C	G	0.069017	-0.0185716	0.0035822	2.20E-07	6.29E-05	427588	26.87785
rs780093	C	T	0.614895	-0.0095048	0.0018587	3.20E-07	6.12E-05	427588	26.150296
rs782221	T	C	0.200429	-0.0127104	0.0022618	1.90E-08	7.39E-05	427588	31.580817
rs798687	C	T	0.765679	-0.0111956	0.0021468	1.80E-07	6.36E-05	427588	27.196282
rs9385778	C	T	0.585205	0.0097501	0.0018426	1.20E-07	6.55E-05	427588	27.999549
rs9414686	T	C	0.178007	0.0147596	0.0024063	8.60E-10	8.80E-05	427588	37.62187
rs9830293	G	A	0.073462	0.0190823	0.0034748	4.00E-08	7.05E-05	427588	30.158156
rs9957088	T	C	0.253192	-0.0118296	0.0020872	1.40E-08	7.51E-05	427588	32.123777

SNP, single nucleotide polymorphism; EAF, effect allele frequency; SE, standard error.

Table S6. MR estimates of associations between 18 dietary habits and prostate cancer risk

Exposures	MR methods	OR (95%CI)	P value
Alcohol intake frequecy	MR Egger	0.986(0.787, 1.235)	0.904
	Weighted median	0.877(0.759, 1.013)	0.074
	IVW	0.928(0.835, 1.031)	0.163
Beef intake	MR Egger	0.111(0.001, 13.536)	0.387
	Weighted median	1.607(0.848, 3.046)	0.146
	IVW	1.314(0.588, 2.940)	0.506
Bread intake	MR Egger	1.423(0.278, 7.281)	0.676
	Weighted median	1.277(0.899, 1.814)	0.172
	IVW	1.098(0.767, 1.572)	0.611
Cereal intake	MR Egger	0.915(0.267, 3.136)	0.889
	Weighted median	0.952(0.667, 1.360)	0.788
	IVW	0.883(0.661, 1.179)	0.398
Cheese intake	MR Egger	1.236(0.546, 2.799)	0.613
	Weighted median	0.944(0.748, 1.192)	0.631
	IVW	0.950(0.779, 1.159)	0.614
Coffee intake	MR Egger	1.505(0.873, 2.597)	0.150
	Weighted median	0.919(0.647, 1.304)	0.635
	IVW	0.929(0.700, 1.233)	0.610
Cooked vegetable intake	MR Egger	$0.002(1.157*10^{-6}, 2.867)$	0.114
	Weighted median	1.125(0.636, 1.991)	0.686
	IVW	1.510(0.739, 3.085)	0.258
Dried fruit intake	MR Egger	0.346(0.053, 2.278)	0.277
	Weighted median	1.337(0.932, 1.917)	0.115
	IVW	1.144(0.751, 1.743)	0.530
Fresh fruit intake	MR Egger	0.623(0.172, 2.260)	0.475
	Weighted median	1.379(0.911, 2.087)	0.129
	IVW	1.303(0.892, 1.902)	0.171
Lamb/mutton intake	MR Egger	4.582(0.833, 25.201)	0.091
	Weighted median	0.971(0.613, 1.537)	0.900
	IVW	1.131(0.725, 1.762)	0.588
Non-oily fish intake	MR Egger	0.352(0.011, 10.929)	0.566
	Weighted median	0.694(0.370, 1.302)	0.255
	IVW	0.936(0.463, 1.891)	0.854
Oily fish intake	MR Egger	2.589(0.998, 6.713)	0.055
	Weighted median	1.118(0.870, 1.437)	0.382
	IVW	1.147(0.904, 1.454)	0.258
Pork intake	MR Egger	12.791(0.298, 549.333)	0.217
	Weighted median	2.141(1.008, 4.546)	0.048
	IVW	2.264(1.236, 4.145)	0.008
Poultry intake	MR Egger	$0.072(1.756*10^{-19}, 2.972*10^{16})$	0.904
	Weighted median	1.312(0.526, 3.271)	0.561
	IVW	1.080(0.307, 3.795)	0.904
Processed meat intake	MR Egger	0.279(0.046, 1.695)	0.181
	Weighted median	0.809(0.537, 1.219)	0.311
	IVW	0.945(0.643, 1.389)	0.773
Salad/raw vegetable intake	MR Egger	1.908(0.529, 6.884)	0.330
	Weighted median	1.249(0.781, 1.995)	0.353
	IVW	1.809(1.298, 2.522)	$4.689*10^{-4}$
Tea intake	MR Egger	1.462(0.863, 2.479)	0.167
	Weighted median	0.990(0.763, 1.285)	0.939
	IVW	1.106(0.802, 1.286)	0.897
Water intake	MR Egger	0.727(0.382, 1.385)	0.336
	Weighted median	0.884(0.681, 1.148)	0.355
	IVW	0.843(0.679, 1.046)	0.120

OR, odds ratio; CI, confidence interval; IVW, inverse variance weighted.

Table S7. Consolidated data overview of 19 daily nutrient intakes pertaining to prostate cancer risk

Exposures	Consortium	Ancestry	Sample size	Number of IVs	Unit	R^2 (%)	F-statistic
Energy	UK Biobank	European	64979	4	SD	0.002	26.499
Carbohydrate	UK Biobank	European	64979	18	SD	0.006	22.982
Englyst dietary fibre	UK Biobank	European	64979	4	SD	0.002	25.708
Protein	UK Biobank	European	64979	70	SD	0.020	19.147
Fat	UK Biobank	European	64979	13	SD	0.005	23.283
Polyunsaturated fat	UK Biobank	European	64979	16	SD	0.005	22.303
Saturated fat	UK Biobank	European	64979	11	SD	0.004	23.156
Carotene	UK Biobank	European	64979	15	SD	0.005	22.618
Folate	UK Biobank	European	64979	14	SD	0.005	22.689
Retinol	UK Biobank	European	62991	7	SD	0.003	23.552
Vitamin B6	UK Biobank	European	64979	17	SD	0.006	23.292
Vitamin B12	UK Biobank	European	64979	9	SD	0.003	22.695
Vitamin C	UK Biobank	European	64979	11	SD	0.004	23.191
Vitamin D	UK Biobank	European	64979	12	SD	0.004	22.086
Vitamin E	UK Biobank	European	64979	12	SD	0.004	23.664
Calcium	UK Biobank	European	64979	18	SD	0.006	23.493
Iron	UK Biobank	European	64979	3	SD	0.001	26.396
Magnesium	UK Biobank	European	64979	4	SD	0.002	26.396
Potassium	UK Biobank	European	64979	15	SD	0.005	22.151

IVs, instrumental variables.

Table S8. Instrumental variables of 19 daily nutrient intakes for prostate cancer risk

Energy

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs11224098	G	A	0.14422	-0.0391522	0.0075214	1.90E-07	0.0004168	64979	27.095993
rs12528608	T	G	0.214023	0.0329371	0.006473	3.60E-07	0.0003983	64979	25.89068
rs149006866	G	C	0.024868	0.0909711	0.0175862	2.30E-07	0.0004116	64979	26.757745
rs62347998	T	C	0.042331	0.0689419	0.0134879	3.20E-07	0.0004019	64979	26.125491

Carbohydrate

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs11132733	C	T	0.815648	-0.0321747	0.0069328	3.50E-06	0.0003314	64979	21.537587
rs112137399	T	C	0.088931	0.0497284	0.0096979	2.90E-07	0.0004045	64979	26.293112
rs11224098	G	A	0.14422	-0.0369951	0.007657	1.40E-06	0.0003591	64979	23.342936
rs11693885	A	G	0.444547	-0.0251199	0.0054307	3.70E-06	0.0003292	64979	21.395243
rs12715219	T	C	0.545558	-0.0254623	0.0054305	2.70E-06	0.0003382	64979	21.983451
rs13052873	A	G	0.223264	-0.0317059	0.0064469	8.70E-07	0.0003721	64979	24.186049
rs148088494	G	T	0.014043	-0.116679	0.0244032	1.70E-06	0.0003517	64979	22.860118
rs3185777	C	T	0.710914	0.0274165	0.0059231	3.70E-06	0.0003296	64979	21.42488
rs35237101	G	A	0.041626	0.0704413	0.0138894	3.90E-07	0.0003957	64979	25.720203
rs546217	C	A	0.429996	0.0255618	0.005442	2.60E-06	0.0003394	64979	22.06214
rs58370602	T	C	0.014894	0.106134	0.0224458	2.30E-06	0.000344	64979	22.357617
rs59150700	A	G	0.018534	-0.0928491	0.0200214	3.50E-06	0.0003309	64979	21.505678
rs6089697	A	G	0.465691	-0.0248143	0.0054123	4.50E-06	0.0003234	64979	21.019722
rs62347998	T	C	0.042331	0.0685335	0.0137318	6.00E-07	0.0003832	64979	24.907923
rs6416839	C	A	0.346393	-0.0272292	0.0056539	1.50E-06	0.0003568	64979	23.192844
rs68133983	C	G	0.065702	0.0498539	0.0108119	4.00E-06	0.0003271	64979	21.260862
rs7803193	G	C	0.071804	0.0494934	0.0105982	3.00E-06	0.0003355	64979	21.808058
rs9399996	C	G	0.159794	0.0363607	0.007354	7.60E-07	0.0003761	64979	24.445578

Englyst dietary fibre

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs112995058	A	G	0.102768	0.0455091	0.0090105	4.40E-07	0.0003924	64979	25.508298
rs17119113	G	A	0.082615	0.0504672	0.0100292	4.90E-07	0.0003895	64979	25.320511
rs5746795	G	A	0.309155	-0.0303749	0.0059714	3.60E-07	0.0003981	64979	25.874373
rs7542974	A	G	0.252505	0.0322713	0.0063273	3.40E-07	0.0004002	64979	26.012454

Protein

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs1008140	C	T	0.021152	-0.0821874	0.0191046	1.70E-05	0.0002847	64979	18.506369
rs10280693	G	A	0.221441	0.027107	0.0064576	2.70E-05	0.0002711	64979	17.620219
rs10746379	G	A	0.131935	0.0334025	0.007923	2.50E-05	0.0002735	64979	17.77332
rs10859042	G	A	0.026115	0.0721161	0.0168578	1.90E-05	0.0002816	64979	18.299925
rs112192448	T	C	0.009532	-0.113484	0.027786	4.40E-05	0.0002566	64979	16.680299
rs113315814	T	C	0.057303	-0.0475572	0.0117024	4.80E-05	0.0002541	64979	16.514648
rs113719850	G	T	0.085963	-0.0456569	0.0098101	3.30E-06	0.0003332	64979	21.659753
rs114413056	G	A	0.008107	0.129347	0.030309	2.00E-05	0.0002802	64979	18.211937
rs114989460	C	T	0.018108	0.0884116	0.0208963	2.30E-05	0.0002754	64979	17.900549
rs116330334	A	T	0.013267	-0.10133	0.0235302	1.70E-05	0.0002853	64979	18.544344
rs117140790	G	A	0.030888	0.0644439	0.0156391	3.80E-05	0.0002612	64979	16.979572
rs11729302	G	C	0.139422	0.0360096	0.0077158	3.10E-06	0.0003351	64979	21.780003
rs11822686	G	A	0.016678	0.0889626	0.0211219	2.50E-05	0.0002729	64979	17.739264
rs12147516	T	G	0.123005	0.0374676	0.0081942	4.80E-06	0.0003217	64979	20.906587
rs12506509	T	C	0.020995	0.0866733	0.0188848	4.40E-06	0.0003241	64979	21.063596
rs12931912	A	G	0.273194	-0.0269101	0.0061035	1.00E-05	0.0002991	64979	19.438093
rs13048538	G	A	0.238985	-0.0267983	0.0062879	2.00E-05	0.0002795	64979	18.162922
rs1332160	A	C	0.602944	-0.0232962	0.0055344	2.60E-05	0.0002726	64979	17.718042
rs1379217	G	A	0.070311	-0.0477734	0.0105608	6.10E-06	0.0003148	64979	20.462811
rs138811846	T	C	0.027246	-0.0699723	0.0171852	4.70E-05	0.0002551	64979	16.577909
rs139053978	C	T	0.021898	0.0774835	0.0189474	4.30E-05	0.0002573	64979	16.722679
rs139408647	G	A	0.012412	-0.11201	0.0256319	1.20E-05	0.0002938	64979	19.095834
rs140283315	T	G	0.018825	0.102589	0.0210183	1.10E-06	0.0003665	64979	23.822814
rs141186922	T	C	0.017422	0.10147	0.0243714	3.10E-05	0.0002667	64979	17.334088
rs141559781	A	G	0.023724	-0.0773725	0.0183672	2.50E-05	0.000273	64979	17.744917
rs148244439	T	C	0.05238	0.0592229	0.0121529	1.10E-06	0.0003653	64979	23.746856
rs148753985	C	T	0.00858	-0.134305	0.0297728	6.50E-06	0.0003131	64979	20.348464
rs149345111	T	C	0.022663	-0.0850755	0.0185493	4.50E-06	0.0003236	64979	21.034907
rs155599	C	T	0.705232	0.0261492	0.0059095	9.60E-06	0.0003012	64979	19.579848
rs17371669	G	C	0.013291	0.102728	0.023464	1.20E-05	0.0002949	64979	19.167267
rs17700462	G	T	0.024999	0.0759902	0.0176468	1.70E-05	0.0002853	64979	18.542568
rs1981644	A	C	0.883661	0.0355557	0.0083972	2.30E-05	0.0002758	64979	17.928133
rs2356007	T	C	0.038512	-0.0610143	0.014008	1.30E-05	0.0002919	64979	18.971324

rs2370422	T	C	0.273366	-0.0261929	0.0060281	1.40E-05	0.0002905	64979	18.879605
rs2431754	C	T	0.558797	0.0259888	0.0054377	1.80E-06	0.0003514	64979	22.841541
rs2577192	G	A	0.879954	-0.0352365	0.0082746	2.10E-05	0.000279	64979	18.133486
rs2649397	G	A	0.416964	-0.0240763	0.0058276	3.60E-05	0.0002626	64979	17.068041
rs2720584	A	C	0.779271	-0.0277939	0.0065145	2.00E-05	0.0002801	64979	18.202237
rs28417233	A	G	0.215547	0.0285034	0.0065289	1.30E-05	0.0002932	64979	19.059226
rs3219142	A	G	0.205006	0.0279767	0.0066209	2.40E-05	0.0002747	64979	17.85452
rs35235621	A	G	0.019199	0.0807528	0.0195156	3.50E-05	0.0002634	64979	17.12135
rs3772928	C	T	0.575413	-0.0233348	0.0054639	1.90E-05	0.0002806	64979	18.238441
rs4733817	A	G	0.364498	-0.022668	0.0055845	4.90E-05	0.0002535	64979	16.475486
rs55656727	C	T	0.072382	0.0431349	0.010567	4.50E-05	0.0002564	64979	16.662525
rs56280650	C	T	0.033592	-0.0687055	0.0152213	6.40E-06	0.0003135	64979	20.373524
rs563970361	T	C	0.007457	0.146091	0.0337543	1.50E-05	0.0002882	64979	18.73162
rs6014527	A	G	0.181425	-0.0315952	0.0069767	5.90E-06	0.0003155	64979	20.508375
rs61872990	C	T	0.17418	0.0311454	0.0070857	1.10E-05	0.0002972	64979	19.319863
rs62091230	C	A	0.141621	0.0364768	0.0078434	3.30E-06	0.0003327	64979	21.627862
rs62217435	C	T	0.013173	-0.0984647	0.0235367	2.90E-05	0.0002693	64979	17.500748
rs62256015	C	G	0.068512	-0.0437991	0.0107306	4.50E-05	0.0002563	64979	16.65977
rs67926498	C	T	0.101556	-0.0363691	0.0088743	4.20E-05	0.0002584	64979	16.795174
rs6807490	A	C	0.87911	-0.034137	0.0082629	3.60E-05	0.0002626	64979	17.067678
rs71482324	A	C	0.032002	0.0676466	0.0159084	2.10E-05	0.0002782	64979	18.08113
rs72820075	T	C	0.085759	0.0428957	0.0095824	7.60E-06	0.0003083	64979	20.038391
rs72935945	T	C	0.194485	-0.032541	0.0071541	5.40E-06	0.0003183	64979	20.689179
rs73165266	A	G	0.073424	0.0452276	0.0106114	2.00E-05	0.0002795	64979	18.165541
rs75944175	A	C	0.039742	0.0578181	0.0139223	3.30E-05	0.0002653	64979	17.246155
rs76394198	C	G	0.039482	-0.0638471	0.0144304	9.70E-06	0.0003012	64979	19.575472
rs76457983	C	T	0.01799	-0.0871938	0.0201813	1.60E-05	0.0002872	64979	18.666357
rs77644716	C	G	0.098992	-0.0380864	0.0090093	2.40E-05	0.000275	64979	17.870816
rs77806858	C	T	0.070369	-0.0436016	0.0104754	3.20E-05	0.0002665	64979	17.324083
rs77878440	T	C	0.121191	-0.0374349	0.0082425	5.60E-06	0.0003173	64979	20.626135
rs77894219	T	C	0.052561	-0.0529539	0.0120699	1.10E-05	0.0002961	64979	19.247538
rs79148658	G	A	0.04695	-0.0536291	0.0127515	2.60E-05	0.0002721	64979	17.687445
rs792455	C	T	0.708073	0.0274068	0.0059142	3.60E-06	0.0003304	64979	21.473917
rs8140858	A	G	0.110882	-0.0353291	0.0085795	3.80E-05	0.0002609	64979	16.956212
rs838133	G	A	0.553067	0.02628	0.0055713	2.40E-06	0.0003423	64979	22.249705
rs843783	G	T	0.827483	-0.0289874	0.0070883	4.30E-05	0.0002573	64979	16.72345
rs859376	G	A	0.657266	0.0232379	0.0056964	4.50E-05	0.000256	64979	16.641117

Fat

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs11224098	G	A	0.14422	-0.0370051	0.0076959	1.50E-06	0.0003557	64979	23.120407
rs112795893	A	C	0.230929	0.0317009	0.0064259	8.10E-07	0.0003744	64979	24.336711
rs11684464	G	A	0.40261	0.031388	0.0055364	1.40E-08	0.0004944	64979	32.14132
rs11742543	T	C	0.050225	0.0578362	0.0123664	2.90E-06	0.0003365	64979	21.872557
rs12134795	T	C	0.117828	-0.0389059	0.0084265	3.90E-06	0.000328	64979	21.316955
rs16824519	A	T	0.022462	-0.0839489	0.0182403	4.20E-06	0.0003259	64979	21.181304
rs17331192	T	C	0.020368	0.0927143	0.0195624	2.10E-06	0.0003456	64979	22.461348
rs2267267	A	G	0.299243	0.0287261	0.0059721	1.50E-06	0.0003559	64979	23.135947
rs4532636	C	A	0.557414	0.0251501	0.005501	4.80E-06	0.0003216	64979	20.902136
rs4908119	T	C	0.22347	-0.0312022	0.0065418	1.80E-06	0.00035	64979	22.74929
rs57158572	A	G	0.059457	0.0561759	0.0116809	1.50E-06	0.0003558	64979	23.127788
rs78242064	A	C	0.112708	0.0426735	0.0087626	1.10E-06	0.0003649	64979	23.71593
rs80235298	T	A	0.012081	0.114763	0.0248169	3.80E-06	0.000329	64979	21.384316

Polyunsaturated fat

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs113031358	T	C	0.022323	-0.0895179	0.0185058	1.30E-06	0.00036	64979	23.398643
rs11684464	G	A	0.40261	0.0267395	0.0056151	1.90E-06	0.0003489	64979	22.677018
rs12370646	A	G	0.075482	0.0489997	0.0106029	3.80E-06	0.0003286	64979	21.356208
rs140172022	G	A	0.012696	-0.14184	0.0288979	9.20E-07	0.0003706	64979	24.090816
rs146520598	A	C	0.006073	0.168657	0.03688	4.80E-06	0.0003217	64979	20.912866
rs1662190	A	G	0.060159	0.0548393	0.0117071	2.80E-06	0.0003376	64979	21.941776
rs17552922	G	A	0.068653	-0.0501052	0.0107864	3.40E-06	0.000332	64979	21.577404
rs17618598	C	T	0.248528	0.0298784	0.0064307	3.40E-06	0.0003321	64979	21.586561
rs2267267	A	G	0.299243	0.0291865	0.0060565	1.40E-06	0.0003573	64979	23.22256
rs2910120	C	A	0.16113	-0.0342366	0.0074553	4.40E-06	0.0003244	64979	21.088336
rs62277909	G	A	0.015497	-0.10424	0.0221824	2.60E-06	0.0003397	64979	22.081998
rs73108193	G	T	0.036981	-0.0666444	0.0144995	4.30E-06	0.000325	64979	21.125544
rs76462814	A	G	0.014497	0.112625	0.0228765	8.50E-07	0.0003729	64979	24.236901
rs77323243	G	C	0.032664	0.0724001	0.0156178	3.60E-06	0.0003306	64979	21.489448
rs8102575	T	C	0.330532	0.0279016	0.0058958	2.20E-06	0.0003446	64979	22.395732
rs9847186	A	G	0.425459	-0.0259884	0.0055512	2.80E-06	0.0003372	64979	21.916381

Saturated fat

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10214129	G	A	0.476443	0.0250119	0.0054098	3.80E-06	0.0003289	64979	21.375643
rs11684464	G	A	0.40261	0.0312128	0.0055428	1.80E-08	0.0004878	64979	31.709584
rs117852741	G	A	0.047577	-0.058515	0.0126718	3.90E-06	0.0003281	64979	21.32281
rs12134795	T	C	0.117828	-0.0408083	0.0084367	1.30E-06	0.0003599	64979	23.395717
rs12345632	A	G	0.015845	0.109648	0.0219542	5.90E-07	0.0003837	64979	24.943238
rs17430818	T	C	0.230569	0.0297195	0.0064369	3.90E-06	0.000328	64979	21.316709
rs4532636	C	A	0.557414	0.025177	0.0055073	4.80E-06	0.0003215	64979	20.898521
rs57158572	A	G	0.059457	0.0566973	0.011695	1.20E-06	0.0003616	64979	23.502331
rs7518006	A	G	0.873072	0.0387274	0.008155	2.00E-06	0.000347	64979	22.551774
rs79972777	G	A	0.04678	-0.0594494	0.0127719	3.20E-06	0.0003333	64979	21.665592
rs9386538	G	A	0.306785	-0.0273816	0.0059505	4.20E-06	0.0003258	64979	21.173872

Carotene

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs116995905	T	C	0.009812	-0.132301	0.0288061	4.40E-06	0.0003245	64979	21.093272
rs117731008	A	G	0.016818	0.0977133	0.0212277	4.20E-06	0.000326	64979	21.18791
rs12126792	G	A	0.011509	-0.134712	0.0280049	1.50E-06	0.000356	64979	23.138284
rs13295574	A	G	0.303383	-0.0276722	0.0059818	3.70E-06	0.0003292	64979	21.399682
rs16898247	A	G	0.018968	-0.107091	0.0200309	9.00E-08	0.0004397	64979	28.581937
rs17800766	C	T	0.011673	-0.121685	0.0254964	1.80E-06	0.0003504	64979	22.77734
rs1936052	T	C	0.155936	-0.0361185	0.0076683	2.50E-06	0.0003413	64979	22.184235
rs366337	G	A	0.936764	0.0543804	0.0112221	1.30E-06	0.0003612	64979	23.481355
rs3829931	A	T	0.973235	0.0830829	0.0177899	3.00E-06	0.0003356	64979	21.810364
rs4771831	A	G	0.351886	-0.0265212	0.0057621	4.20E-06	0.0003259	64979	21.184388
rs5760695	C	T	0.086598	0.0468481	0.0100556	3.20E-06	0.0003339	64979	21.704742
rs62417408	G	A	0.037772	-0.0691153	0.0146553	2.40E-06	0.0003422	64979	22.240554
rs6596473	C	G	0.299056	0.0276423	0.0059763	3.70E-06	0.0003291	64979	21.392998
rs6660246	C	A	0.450266	-0.0266889	0.0055307	1.40E-06	0.0003582	64979	23.28545
rs77547747	C	T	0.056418	-0.055803	0.0118339	2.40E-06	0.0003421	64979	22.235451

Folate

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs118164003	T	C	0.009484	-0.140897	0.0280515	5.10E-07	0.0003881	64979	25.227717
rs148031795	T	C	0.015003	0.104439	0.0223794	3.10E-06	0.0003351	64979	21.777858
rs1502443	G	C	0.630046	0.0258943	0.0056353	4.30E-06	0.0003248	64979	21.113607
rs16956822	A	G	0.02616	-0.0792943	0.017182	3.90E-06	0.0003277	64979	21.297231
rs2449166	T	C	0.471417	0.0252219	0.0054668	4.00E-06	0.0003275	64979	21.28503
rs3772928	C	T	0.575413	-0.0272574	0.0055274	8.20E-07	0.0003741	64979	24.317295
rs57185514	G	A	0.008126	-0.138679	0.0301895	4.40E-06	0.0003246	64979	21.100668
rs7074988	G	A	0.063705	-0.051278	0.0111147	4.00E-06	0.0003275	64979	21.284002
rs76630415	G	T	0.212036	-0.0373906	0.006703	2.40E-08	0.0004786	64979	31.114862
rs76802001	A	G	0.036193	-0.0677158	0.0147765	4.60E-06	0.0003231	64979	21.000204
rs78074774	T	C	0.044671	0.0601471	0.0131667	4.90E-06	0.000321	64979	20.867102
rs79748722	T	C	0.027963	-0.0756746	0.0164864	4.40E-06	0.0003241	64979	21.068579
rs79975477	T	C	0.030964	0.0731991	0.0156345	2.80E-06	0.0003372	64979	21.919474
rs8085166	G	A	0.676915	0.0278138	0.0058117	1.70E-06	0.0003524	64979	22.903529

Retinol

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs117219913	C	T	0.07834	0.0476864	0.0103813	4.40E-06	0.0003349	62991	21.099482
rs117669768	A	G	0.038236	0.0789545	0.0147682	9.00E-08	0.0004535	62991	28.581489
rs149577802	T	C	0.015116	-0.108795	0.0234115	3.40E-06	0.0003427	62991	21.594622
rs2126371	T	C	0.317531	-0.0289453	0.005977	1.30E-06	0.0003722	62991	23.452094
rs3213829	G	T	0.546482	0.025976	0.0056098	3.60E-06	0.0003403	62991	21.440248
rs692790	C	T	0.874331	0.0404149	0.0083821	1.40E-06	0.0003689	62991	23.246931
rs74977546	A	G	0.052896	-0.063514	0.0126784	5.50E-07	0.0003983	62991	25.095522

Vitamin B6

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10138490	C	T	0.060543	-0.0534963	0.0114138	2.80E-06	0.000338	64979	21.967145
rs12198456	T	C	0.018652	0.0919531	0.0197234	3.10E-06	0.0003344	64979	21.734808
rs12226112	T	G	0.341372	0.0283412	0.0057266	7.50E-07	0.0003768	64979	24.492376
rs12412051	C	G	0.034366	0.0708635	0.0149768	2.20E-06	0.0003444	64979	22.38689
rs141933624	A	G	0.021473	-0.0897347	0.0192811	3.30E-06	0.0003332	64979	21.659272
rs155599	C	T	0.705232	0.0342533	0.0059846	1.00E-08	0.0005039	64979	32.757961

rs183178622	T	C	0.018261	-0.0989483	0.0206841	1.70E-06	0.0003521	64979	22.8839
rs188211816	A	G	0.029475	-0.0786243	0.0162809	1.40E-06	0.0003588	64979	23.320798
rs34938615	G	A	0.011377	-0.122024	0.0264416	3.90E-06	0.0003276	64979	21.296179
rs361294	C	A	0.691303	-0.0273612	0.0059518	4.30E-06	0.0003251	64979	21.132885
rs3745438	C	T	0.033702	-0.071266	0.0155965	4.90E-06	0.0003212	64979	20.878395
rs3772928	C	T	0.575413	-0.0292449	0.0055341	1.30E-07	0.0004296	64979	27.925487
rs67450584	T	C	0.158007	0.036705	0.0074573	8.60E-07	0.0003727	64979	24.225432
rs7205927	C	A	0.411922	-0.0257861	0.0055346	3.20E-06	0.000334	64979	21.706519
rs74640671	T	C	0.010958	-0.127176	0.02738	3.40E-06	0.0003319	64979	21.57397
rs77806858	C	T	0.070369	-0.0505124	0.0106104	1.90E-06	0.0003487	64979	22.66309
rs9560457	T	C	0.40416	0.0255037	0.0055396	4.10E-06	0.0003261	64979	21.19483

Vitamin B12

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10924919	T	C	0.394475	-0.0286276	0.0056423	3.90E-07	0.000396	64979	25.742111
rs112961770	C	G	0.023005	-0.0888494	0.0184324	1.40E-06	0.0003575	64979	23.234421
rs12776611	A	G	0.022116	-0.0878135	0.0188958	3.40E-06	0.0003323	64979	21.596265
rs1419875	G	T	0.200804	-0.0315231	0.0068315	3.90E-06	0.0003276	64979	21.291735
rs148901823	G	A	0.080711	-0.0486291	0.0100516	1.30E-06	0.0003601	64979	23.405003
rs193228340	C	T	0.007133	0.156303	0.0340106	4.30E-06	0.0003249	64979	21.11994
rs388561	C	T	0.880654	0.040271	0.0085495	2.50E-06	0.0003413	64979	22.186822
rs61994378	C	T	0.027799	0.0934555	0.0197741	2.30E-06	0.0003436	64979	22.335872
rs67568068	C	T	0.212722	-0.0317378	0.0066467	1.80E-06	0.0003508	64979	22.799578

Vitamin C

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs114598078	T	C	0.042309	0.0655782	0.0137636	1.90E-06	0.0003492	64979	22.700819
rs11650824	A	T	0.035071	0.0794787	0.0158822	5.60E-07	0.0003852	64979	25.041874
rs17482258	T	C	0.099073	0.042829	0.0092605	3.70E-06	0.0003291	64979	21.389386
rs1883993	A	G	0.095419	0.044959	0.0093532	1.50E-06	0.0003555	64979	23.104457
rs2018201	G	T	0.026551	-0.0808079	0.0171646	2.50E-06	0.000341	64979	22.162916
rs4238567	C	T	0.522046	0.0253068	0.0055081	4.30E-06	0.0003248	64979	21.108351
rs4481190	C	A	0.351041	-0.0306375	0.0057438	9.60E-08	0.0004377	64979	28.451109
rs61868302	T	C	0.060676	-0.0571013	0.0118391	1.40E-06	0.0003579	64979	23.261689
rs74978963	T	C	0.008729	0.150814	0.0310213	1.20E-06	0.0003636	64979	23.634693
rs7626478	A	G	0.720257	0.0279796	0.0061013	4.50E-06	0.0003235	64979	21.029027
rs9540734	A	G	0.477524	-0.0259285	0.0054847	2.30E-06	0.0003438	64979	22.347927

Vitamin D

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10469075	T	C	0.189076	-0.0324603	0.0070126	3.70E-06	0.0003296	64979	21.425872
rs117693112	A	G	0.04134	0.0682431	0.0144786	2.40E-06	0.0003418	64979	22.215239
rs17301981	C	T	0.088198	-0.0437855	0.0095847	4.90E-06	0.0003211	64979	20.868277
rs2399949	C	T	0.184585	-0.034239	0.0070597	1.20E-06	0.0003619	64979	23.521294
rs35775421	A	G	0.053231	-0.0559707	0.0122186	4.60E-06	0.0003228	64979	20.982886
rs4395237	G	T	0.049626	-0.0601061	0.0127619	2.50E-06	0.0003413	64979	22.18161
rs57038272	T	C	0.176978	0.0333323	0.007237	4.10E-06	0.0003264	64979	21.213193
rs61942184	C	G	0.027543	0.0822174	0.0177573	3.70E-06	0.0003298	64979	21.436814
rs679830	C	T	0.948622	-0.0601819	0.012755	2.40E-06	0.0003425	64979	22.261657
rs74593039	C	G	0.157655	0.0350049	0.0075392	3.40E-06	0.0003317	64979	21.557328
rs75713989	T	C	0.129857	0.039147	0.0081668	1.60E-06	0.0003535	64979	22.976451
rs80261862	T	C	0.097814	-0.0448741	0.0092671	1.30E-06	0.0003607	64979	23.447271

Vitamin E

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs111306778	A	G	0.089621	-0.0479658	0.0095723	5.40E-07	0.0003863	64979	25.108464
rs12165526	A	T	0.100636	0.0479017	0.0091778	1.80E-07	0.0004191	64979	27.24056
rs12421920	G	A	0.093546	-0.0434479	0.009385	3.70E-06	0.0003297	64979	21.431835
rs12899673	A	G	0.333079	0.0268951	0.005818	3.80E-06	0.0003288	64979	21.368845
rs2723979	G	T	0.583758	-0.0266142	0.0055275	1.50E-06	0.0003567	64979	23.18269
rs35218694	G	A	0.034459	-0.0741637	0.0153104	1.30E-06	0.000361	64979	23.463691
rs4903544	T	C	0.30035	-0.0295098	0.0060211	9.50E-07	0.0003695	64979	24.019695
rs536912	A	C	0.736049	0.0304596	0.0062009	9.00E-07	0.0003712	64979	24.128158
rs6033	G	A	0.072493	-0.0516563	0.0105563	9.90E-07	0.0003684	64979	23.944721
rs71385328	G	A	0.011307	0.130015	0.0262064	7.00E-07	0.0003786	64979	24.612675
rs79966958	T	C	0.012689	-0.116527	0.024505	2.00E-06	0.0003479	64979	22.611551
rs979218	C	A	0.098036	-0.0430325	0.0092226	3.10E-06	0.0003349	64979	21.77078

Calcium

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs11030416	A	G	0.041915	-0.0654539	0.0136013	1.50E-06	0.0003563	64979	23.157776
rs11088797	A	G	0.114469	0.03961	0.0084904	3.10E-06	0.0003348	64979	21.763911
rs117456360	A	G	0.042875	0.0626521	0.0136422	4.40E-06	0.0003245	64979	21.090607
rs1219820	T	C	0.029471	-0.076443	0.015952	1.70E-06	0.0003533	64979	22.963168
rs12618785	G	C	0.399008	0.0272715	0.0056145	1.20E-06	0.000363	64979	23.59288
rs1714800	C	G	0.662121	0.0279524	0.0057215	1.00E-06	0.0003672	64979	23.867145
rs1974821	A	G	0.152218	0.0356787	0.0075459	2.30E-06	0.0003439	64979	22.355585
rs2443773	G	T	0.506088	0.0272002	0.0054165	5.10E-07	0.0003879	64979	25.217461
rs35683760	G	A	0.228625	-0.0310253	0.0064484	1.50E-06	0.0003561	64979	23.148351
rs39308	A	G	0.265051	0.0297088	0.0061719	1.50E-06	0.0003565	64979	23.169329
rs4535437	G	A	0.245133	0.0316699	0.0062736	4.50E-07	0.000392	64979	25.482836
rs4988235	A	G	0.723274	0.032361	0.006013	7.40E-08	0.0004455	64979	28.963014
rs62347998	T	C	0.042331	0.0641566	0.0138097	3.40E-06	0.000332	64979	21.582454
rs73238581	A	C	0.347402	-0.0271448	0.0057047	2.00E-06	0.0003483	64979	22.641091
rs7464794	C	T	0.499376	-0.0264599	0.0053917	9.20E-07	0.0003705	64979	24.083056
rs753899	C	T	0.09229	0.0462859	0.0093494	7.40E-07	0.000377	64979	24.508282
rs8067154	A	G	0.21908	-0.0300856	0.0065656	4.60E-06	0.000323	64979	20.99677
rs8109178	T	A	0.121426	0.0389694	0.0083427	3.00E-06	0.0003357	64979	21.8184

Iron

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs150479966	C	G	0.007717	0.170181	0.0336231	4.20E-07	0.0003941	64979	25.617295
rs155599	C	T	0.705232	0.0302901	0.0059408	3.40E-07	0.0003999	64979	25.995763
rs799443	A	T	0.669263	-0.0300914	0.0057369	1.60E-07	0.0004232	64979	27.511952

Magnesium

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs114575778	A	G	0.010278	-0.145164	0.0274331	1.20E-07	0.0004307	64979	27.999786
rs146963873	A	T	0.007919	-0.16778	0.0329752	3.60E-07	0.0003983	64979	25.887621
rs573905	G	A	0.547365	0.0275402	0.0053899	3.20E-07	0.0004016	64979	26.106952
rs77126457	A	G	0.01442	0.114984	0.0227843	4.50E-07	0.0003918	64979	25.467721

Potassium

SNP	Effect allele	Other allele	EAF	Beta	SE	P value	R^2	Sample size	F statistics
rs10764330	G	A	0.699138	0.0278001	0.0059182	2.60E-06	0.0003395	64979	22.064729
rs114300683	A	G	0.011896	-0.114807	0.0248968	4.00E-06	0.0003271	64979	21.263576
rs12296227	T	G	0.267093	0.0284413	0.0061509	3.80E-06	0.0003289	64979	21.379954
rs12412051	C	G	0.034366	0.072528	0.0149208	1.20E-06	0.0003635	64979	23.627285
rs145857065	C	T	0.029938	-0.0828746	0.0172848	1.60E-06	0.0003537	64979	22.98798
rs146963873	A	T	0.007919	-0.153494	0.0332741	4.00E-06	0.0003274	64979	21.279274
rs148244439	T	C	0.05238	0.0566213	0.0122646	3.90E-06	0.0003279	64979	21.312752
rs2745938	T	G	0.647485	0.0261087	0.0056697	4.10E-06	0.0003262	64979	21.205086
rs35579431	T	C	0.265517	0.0291435	0.006126	2.00E-06	0.0003482	64979	22.632011
rs361294	C	A	0.691303	-0.0282084	0.0059297	2.00E-06	0.0003481	64979	22.629358
rs3772928	C	T	0.575413	-0.0265481	0.0055135	1.50E-06	0.0003567	64979	23.184219
rs7040926	C	T	0.065112	-0.0510548	0.0111197	4.40E-06	0.0003243	64979	21.080148
rs7479680	C	A	0.144251	-0.0380825	0.0077532	9.00E-07	0.0003712	64979	24.125644
rs77126457	A	G	0.01442	0.105123	0.0229918	4.80E-06	0.0003216	64979	20.904326
rs77824658	G	A	0.089995	0.0438189	0.0095441	4.40E-06	0.0003243	64979	21.078319

SNP, single nucleotide polymorphism; EAF, effect allele frequency; SE, standard error.

Table S9. MR estimates of associations between 19 daily nutrient intakes and prostate cancer risk

Exposures	MR methods	OR (95%CI)	P value
Energy	MR Egger	0.341(0.134, 0.868)	0.153
	Weighted median	1.176(0.788, 1.755)	0.428
	IVW	1.133(0.675, 1.904)	0.636
Carbohydrate	MR Egger	0.803(0.542, 1.187)	0.287
	Weighted median	1.042(0.838, 1.296)	0.710
	IVW	1.032(0.886, 1.203)	0.685
Englyst dietary fibre	MR Egger	1.873(0.480, 7.310)	0.462
	Weighted median	0.991(0.697, 1.409)	0.958
	IVW	0.960(0.722, 1.277)	0.781
Protein	MR Egger	0.819(0.632, 1.063)	0.138
	Weighted median	0.969(0.852, 1.101)	0.627
	IVW	1.000(0.894, 1.118)	0.995
Fat	MR Egger	1.050(0.600, 1.836)	0.868
	Weighted median	0.978(0.758, 1.263)	0.866
	IVW	0.976(0.813, 1.171)	0.794
Polyunsaturated fat	MR Egger	1.007(0.637, 1.590)	0.978
	Weighted median	1.014(0.796, 1.293)	0.908
	IVW	0.900(0.731, 1.110)	0.325
Saturated fat	MR Egger	1.142(0.486, 2.686)	0.767
	Weighted median	0.999(0.757, 1.319)	0.996
	IVW	0.852(0.654, 1.110)	0.236
Carotene	MR Egger	1.013(0.725, 1.415)	0.943
	Weighted median	1.112(0.888, 1.393)	0.355
	IVW	1.083(0.917, 1.279)	0.349
Folate	MR Egger	0.810(0.519, 1.263)	0.371
	Weighted median	0.975(0.762, 1.248)	0.841
	IVW	0.975(0.783, 1.215)	0.823
Retinol	MR Egger	1.056(0.597, 1.868)	0.858
	Weighted median	0.947(0.701, 1.279)	0.723
	IVW	0.925(0.731, 1.170)	0.515
Vitamin B6	MR Egger	1.106(0.674, 1.816)	0.695
	Weighted median	0.913(0.718, 1.160)	0.456
	IVW	0.998(0.806, 1.234)	0.982
Vitamin B12	MR Egger	0.884(0.514, 1.521)	0.670
	Weighted median	1.100(0.820, 1.475)	0.524
	IVW	1.080(0.855, 1.364)	0.520
Vitamin C	MR Egger	0.653(0.416, 1.024)	0.096
	Weighted median	1.200(0.920, 1.566)	0.179
	IVW	0.992(0.792, 1.243)	0.947
Vitamin D	MR Egger	0.985(0.477, 2.034)	0.968
	Weighted median	0.954(0.735, 1.238)	0.723
	IVW	0.965(0.798, 1.168)	0.715
Vitamin E	MR Egger	0.833(0.551, 1.258)	0.405
	Weighted median	0.970(0.767, 1.226)	0.796
	IVW	0.980(0.822, 1.168)	0.822
Calcium	MR Egger	0.988(0.512, 1.908)	0.972
	Weighted median	1.016(0.816, 1.265)	0.886
	IVW	1.049(0.888, 1.240)	0.573
Iron	MR Egger	0.930(0.461, 1.877)	0.873
	Weighted median	1.298(0.853, 1.975)	0.223
	IVW	1.219(0.867, 1.714)	0.255
Magnesium	MR Egger	1.170(0.710, 1.931)	0.601
	Weighted median	0.904(0.591, 1.384)	0.643
	IVW	0.787(0.525, 1.181)	0.248
Potassium	MR Egger	0.858(0.530, 1.391)	0.546
	Weighted median	1.044(0.801, 1.361)	0.751
	IVW	1.077(0.887, 1.307)	0.455

OR, odds ratio; CI, confidence interval; IVW, inverse variance weighted.

Table S10. Sensitivity analysis of the causal links between 19 daily nutrient intakes and prostate cancer risk

Exposures	MR–Egger_intercept test			Cochran Q test	
	Egger_intercept	P value		Q	P value
Energy	0.056	0.115		7.658	0.054
Carbohydrate	0.010	0.190		15.763	0.541
Englyst dietary fibre	-0.025	0.429		1.817	0.611
Protein	0.008	0.103		114.699	$4.582*10^{-4}$
Fat	-0.003	0.792		11.688	0.471
Polyunsaturated fat	-0.005	0.598		24.093	0.064
Saturated fat	-0.010	0.497		17.097	0.072
Carotene	0.003	0.658		9.019	0.830
Folate	0.009	0.364		21.408	0.065
Retinol	-0.006	0.637		2.503	0.868
Vitamin B6	-0.005	0.655		29.576	0.020
Vitamin B12	0.009	0.448		9.716	0.286
Vitamin C	0.018	0.073		14.553	0.149
Vitamin D	-0.001	0.956		9.815	0.547
Vitamin E	0.007	0.413		7.648	0.744
Calcium	0.002	0.856		21.005	0.226
Iron	0.012	0.547		0.751	0.687
Magnesium	-0.025	0.179		4.711	0.194
Potassium	0.009	0.333		17.041	0.254