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Risk factor class	Trait	PubMed ID	Number of SNPs used in MR analysis	PVE by SNPs	Power to identify OR_{SD} of 0.91 or 1.10	Power to identify OR_{SD} of 0.75 or 1.33	F-statistic
Developmental and growth factors	Height	30124842	2487	0.380	1.000	1.000	171.41
Developmental and growth factors	Plasma IGF-I	29875488	1	0.014	0.314	0.995	48.51
Diet and lifestyle	Alcohol consumption	28937693	3	0.002	0.082	0.364	66.73
Diet and lifestyle	Blood methionine	24816252	1	0.004	0.124	0.676	30.57
Diet and lifestyle	Blood selenium	23720494	1	0.020	0.417	1.000	114.36
Diet and lifestyle	Blood zinc	23720494	2	0.046	0.746	1.000	62.58
Diet and lifestyle	Circulating 25-hydroxyvitamin D	29343764	5	0.026	0.512	1.000	431.37
Diet and lifestyle	Circulating carotenoids	19185284	1	0.028	0.531	1.000	106.36
Diet and lifestyle	Coffee consumption	25288136	4	0.005	0.147	0.788	124.16
Diet and lifestyle	Iron status	25352340	3	0.012	0.260	0.981	190.40
Diet and lifestyle	Serum calcium	24068962	8	0.026	0.503	1.000	202.32
Diet and lifestyle	Serum vitamin A (retinol)	21878437	2	0.007	0.175	0.879	34.69
Diet and lifestyle	Serum vitamin B12	23754956	9	0.047	0.760	1.000	252.08
Diet and lifestyle	Serum vitamin B6	19303062	1	0.014	0.307	0.994	26.67
Diet and lifestyle	Serum vitamin E	21729881	3	0.007	0.167	0.857	10.92
Fatty acid profile and metabolism	Blood carnitine	24816252	18	0.139	0.995	1.000	65.81
Fatty acid profile and metabolism	Mono-unsaturated fatty acids*	27005778	1	0.003	0.097	0.493	36.29
Fatty acid profile and metabolism	Omega-6 polyunsaturated fatty acids*	27005778	6	0.024	0.477	1.000	55.68
Inflammatory factors	Circulating C-reactive protein	21300955	14	0.036	0.640	1.000	220.09
Inflammatory factors	Plasma IL-6 receptor subunit alpha	29875488	1	0.604	1.000	1.000	5038.85
Inflammatory factors	Serum immunoglobulin E	22075330	3	0.016	0.342	0.997	79.70
Lipids and lipid transport	Circulating fetuin-A	28379451	1	0.143	0.996	1.000	1331.92
Lipids and lipid transport	High-density lipoprotein cholesterol	24097068	58	0.061	0.856	1.000	105.31
Lipids and lipid transport	Low-density lipoprotein cholesterol	24097068	44	0.079	0.930	1.000	182.74
Lipids and lipid transport	Total cholesterol	27005778	28	0.095	0.964	1.000	80.05
Lipids and lipid transport	Total triglycerides	24097068	34	0.061	0.857	1.000	180.23
Obesity	Basal metabolic rate	30305743	693	0.122	0.990	1.000	66.11
Obesity	Birth weight	30305743	93	0.025	0.487	1.000	52.72
Obesity	Body fat percentage	30305743	370	0.053	0.806	1.000	50.28
Obesity	Body mass index	30124842	964	0.079	0.929	1.000	60.69
Obesity	Circulating adiponectin	22479202	10	0.018	0.372	0.999	65.12
Obesity	Fasting glucose	22581228	23	0.036	0.639	1.000	93.73
Obesity	Fasting proinsulin	20081858	8	0.061	0.858	1.000	87.33
Obesity	HbA1C levels	20858683	11	0.018	0.381	0.999	78.72
Obesity	Waist circumference	30305743	319	0.047	0.754	1.000	51.68
Obesity	Waist-to-hip ratio	25673412	35	0.018	0.369	0.999	57.66
Sex hormones and reproduction	Age at menarche**	30305743	151	0.048	0.303	0.993	58.11

Sex hormones and reproduction	Plasma estradiol**	26014426	1	0.011	0.105	0.553	31.47
Sex hormones and reproduction	Plasma progesterone**	26014426	2	0.035	0.235	0.965	52.44

Table 1: Modifiable risk factors considered. Given are the number of trait-associated single nucleotide polymorphisms (SNPs) employed as instrumental variables in the Mendelian randomisation (MR) framework, the PubMed ID of the manuscript from which these SNPs were obtained, the proportion of trait variance explained by these SNPs (PVE) and the analysis power to detect causal effects at given odds ratios. Odds ratios of colorectal cancer risk are given per genetically predicted standard deviation unit increase in risk factor (OR_{SD}). The F-statistic is used as a measure of potential weak instrument bias, with a low statistic ($F < 10$) indicative of possible bias. * Results from restricted analysis, which excludes SNPs known to be associated with other fatty acid classes. ** Causal effects estimated using colorectal cancer summary statistics from females only.