Dietary factors and rheumatoid arthritis: new perspectives from a Mendelian randomization analysis

(1) Supplementary Tables 1-2

Supplementary Table 1. Characterization of genetic instrumental variables associated with dietary factors in the MR study.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SNP | EA | | OA | | Beta | | Se | | P | | F | | MR\_keep | |
| Alcohol consumed | |  | |  | |  | |  | |  | |  | |  | |
| rs115983699 | | A | | G | | 0.039 | | 0.008 | | 2.40E-06 | | 22.27577 | | TRUE | |
| rs1229984 | | C | | T | | 0.065 | | 0.008 | | 1.40E-15 | | 63.8237 | | TRUE | |
| rs1378675 | | G | | A | | 0.015 | | 0.003 | | 1.30E-07 | | 27.7955 | | TRUE | |
| rs35259387 | | T | | G | | 0.015 | | 0.003 | | 1.30E-06 | | 23.37698 | | TRUE | |
| rs3817588 | | C | | T | | 0.017 | | 0.004 | | 1.30E-06 | | 23.44985 | | TRUE | |
| rs4410876 | | A | | G | | -0.014 | | 0.003 | | 1.20E-06 | | 23.63608 | | TRUE | |
| rs6086342 | | A | | C | | 0.028 | | 0.006 | | 2.70E-06 | | 22.01156 | | TRUE | |
| rs61829137 | | A | | G | | 0.023 | | 0.005 | | 2.30E-06 | | 22.29929 | | TRUE | |
| rs62305763 | | T | | C | | 0.023 | | 0.005 | | 8.30E-07 | | 24.29253 | | TRUE | |
| rs76851232 | | G | | C | | 0.037 | | 0.008 | | 1.20E-06 | | 23.56215 | | TRUE | |
| rs78344787 | | T | | C | | 0.030 | | 0.006 | | 1.20E-06 | | 23.63058 | | TRUE | |
| rs79113069 | | A | | C | | -0.041 | | 0.009 | | 4.30E-06 | | 21.11905 | | TRUE | |
| rs8004754 | | T | | C | | 0.014 | | 0.003 | | 2.10E-06 | | 22.50626 | | TRUE | |
| rs9456356 | | A | | G | | -0.013 | | 0.003 | | 2.10E-06 | | 22.54404 | | TRUE | |
| Alcohol intake frequency | |  | |  | |  | |  | |  | |  | |  | |
| rs10188314 | | T | | C | | -0.020 | | 0.003 | | 7.20E-11 | | 42.47542 | | TRUE | |
| rs10792669 | | G | | A | | 0.017 | | 0.003 | | 9.90E-09 | | 32.86787 | | TRUE | |
| rs11039429 | | T | | C | | -0.024 | | 0.003 | | 8.70E-15 | | 60.16401 | | TRUE | |
| rs1104608 | | C | | G | | 0.017 | | 0.003 | | 1.70E-08 | | 31.81733 | | FALSE | |
| rs11223617 | | A | | G | | 0.025 | | 0.004 | | 2.30E-11 | | 44.67705 | | TRUE | |
| rs11700855 | | G | | A | | -0.030 | | 0.005 | | 1.20E-08 | | 32.41892 | | TRUE | |
| rs11750777 | | A | | G | | -0.020 | | 0.004 | | 3.80E-08 | | 30.24789 | | TRUE | |
| rs117799466 | | C | | G | | -0.020 | | 0.003 | | 3.10E-09 | | 35.11025 | | FALSE | |
| rs11787216 | | T | | C | | 0.024 | | 0.003 | | 2.40E-14 | | 58.18948 | | TRUE | |
| rs11940694 | | G | | A | | -0.044 | | 0.003 | | 1.00E-44 | | 196.7964 | | TRUE | |
| rs12153855 | | C | | T | | 0.029 | | 0.005 | | 2.40E-09 | | 35.59858 | | TRUE | |
| rs1228589 | | A | | G | | 0.021 | | 0.004 | | 2.30E-09 | | 35.66589 | | TRUE | |
| rs1229984 | | C | | T | | -0.262 | | 0.009 | | 1.40E-178 | | 811.8568 | | TRUE | |
| rs12312693 | | C | | T | | -0.018 | | 0.003 | | 6.80E-09 | | 33.60043 | | TRUE | |
| rs13102973 | | C | | T | | -0.019 | | 0.003 | | 4.90E-10 | | 38.72261 | | TRUE | |
| rs13135092 | | G | | A | | 0.044 | | 0.005 | | 1.60E-15 | | 63.54509 | | TRUE | |
| rs13178443 | | T | | C | | -0.019 | | 0.003 | | 3.80E-08 | | 30.27446 | | TRUE | |
| rs13390019 | | C | | T | | 0.030 | | 0.004 | | 4.30E-11 | | 43.45893 | | TRUE | |
| rs1421085 | | C | | T | | 0.020 | | 0.003 | | 1.00E-10 | | 41.77906 | | TRUE | |
| rs1515591 | | G | | T | | 0.018 | | 0.003 | | 4.90E-09 | | 34.2212 | | TRUE | |
| rs1666658 | | C | | T | | 0.018 | | 0.003 | | 6.70E-09 | | 33.62193 | | TRUE | |
| rs17662759 | | C | | T | | 0.030 | | 0.005 | | 3.40E-08 | | 30.45805 | | TRUE | |
| rs17690703 | | T | | C | | 0.025 | | 0.003 | | 2.90E-13 | | 53.26305 | | TRUE | |
| rs186347 | | T | | G | | 0.018 | | 0.003 | | 4.00E-09 | | 34.61576 | | TRUE | |
| rs1893659 | | A | | C | | -0.029 | | 0.003 | | 7.60E-22 | | 92.26034 | | TRUE | |
| rs1894544 | | C | | G | | 0.017 | | 0.003 | | 1.10E-08 | | 32.60072 | | FALSE | |
| rs1937522 | | G | | A | | 0.017 | | 0.003 | | 2.50E-08 | | 31.05897 | | TRUE | |
| rs1991083 | | T | | C | | -0.022 | | 0.003 | | 6.30E-12 | | 47.23548 | | TRUE | |
| rs2043677 | | T | | C | | 0.026 | | 0.004 | | 1.60E-09 | | 36.41745 | | TRUE | |
| rs2159935 | | A | | G | | -0.019 | | 0.003 | | 8.30E-10 | | 37.68201 | | TRUE | |
| rs2160935 | | T | | C | | -0.019 | | 0.003 | | 1.40E-09 | | 36.66681 | | TRUE | |
| rs2244598 | | C | | T | | -0.018 | | 0.003 | | 3.80E-09 | | 34.71732 | | TRUE | |
| rs2411453 | | G | | T | | -0.035 | | 0.003 | | 7.30E-30 | | 128.8473 | | TRUE | |
| rs2535911 | | T | | C | | -0.019 | | 0.003 | | 2.70E-09 | | 35.38404 | | TRUE | |
| rs2622167 | | A | | G | | -0.019 | | 0.003 | | 4.60E-10 | | 38.83564 | | TRUE | |
| rs262240 | | T | | C | | -0.017 | | 0.003 | | 1.40E-08 | | 32.14708 | | TRUE | |
| rs2717063 | | A | | C | | -0.020 | | 0.003 | | 4.00E-11 | | 43.61239 | | TRUE | |
| rs28622224 | | T | | C | | -0.019 | | 0.003 | | 3.20E-08 | | 30.55917 | | TRUE | |
| rs28768122 | | C | | T | | 0.021 | | 0.004 | | 5.60E-09 | | 33.96135 | | TRUE | |
| rs28787109 | | A | | G | | 0.018 | | 0.003 | | 7.70E-09 | | 33.33968 | | TRUE | |
| rs2924321 | | A | | G | | -0.020 | | 0.003 | | 1.60E-10 | | 40.92514 | | TRUE | |
| rs2977454 | | G | | C | | -0.026 | | 0.005 | | 1.70E-08 | | 31.77647 | | TRUE | |
| rs34440851 | | T | | C | | -0.023 | | 0.004 | | 4.60E-08 | | 29.8667 | | TRUE | |
| rs34473884 | | A | | G | | -0.020 | | 0.004 | | 6.20E-09 | | 33.77732 | | TRUE | |
| rs34631026 | | T | | C | | -0.017 | | 0.003 | | 2.90E-08 | | 30.78293 | | TRUE | |
| rs34811474 | | A | | G | | -0.020 | | 0.004 | | 1.90E-08 | | 31.54674 | | TRUE | |
| rs35105141 | | T | | C | | 0.026 | | 0.003 | | 1.40E-17 | | 72.79065 | | TRUE | |
| rs362307 | | T | | C | | 0.043 | | 0.006 | | 8.40E-14 | | 55.70397 | | TRUE | |
| rs4241258 | | T | | C | | 0.025 | | 0.004 | | 1.30E-08 | | 32.39964 | | TRUE | |
| rs4242715 | | A | | G | | -0.019 | | 0.003 | | 9.30E-09 | | 32.97942 | | TRUE | |
| rs4417025 | | A | | G | | -0.019 | | 0.003 | | 2.70E-09 | | 35.42205 | | TRUE | |
| rs4503294 | | T | | C | | 0.018 | | 0.003 | | 3.40E-09 | | 34.93197 | | TRUE | |
| rs461599 | | C | | A | | -0.019 | | 0.003 | | 2.70E-10 | | 39.8487 | | TRUE | |
| rs4726481 | | T | | G | | 0.022 | | 0.003 | | 2.30E-12 | | 49.21797 | | TRUE | |
| rs473098 | | T | | C | | -0.022 | | 0.003 | | 9.10E-13 | | 51.02825 | | TRUE | |
| rs489062 | | A | | G | | 0.017 | | 0.003 | | 4.90E-08 | | 29.74336 | | TRUE | |
| rs4916723 | | C | | A | | 0.024 | | 0.003 | | 1.10E-14 | | 59.69649 | | TRUE | |
| rs4940926 | | C | | T | | -0.019 | | 0.003 | | 2.80E-08 | | 30.8171 | | TRUE | |
| rs4968391 | | T | | G | | -0.019 | | 0.003 | | 2.30E-09 | | 35.6679 | | TRUE | |
| rs5022348 | | T | | C | | 0.020 | | 0.004 | | 1.40E-08 | | 32.21855 | | TRUE | |
| rs550942 | | T | | C | | 0.022 | | 0.004 | | 2.00E-08 | | 31.53854 | | TRUE | |
| rs56194430 | | T | | C | | 0.023 | | 0.004 | | 3.10E-08 | | 30.64889 | | TRUE | |
| rs58905411 | | A | | G | | -0.027 | | 0.003 | | 5.10E-18 | | 74.85312 | | TRUE | |
| rs6030200 | | A | | G | | -0.020 | | 0.003 | | 2.40E-09 | | 35.65047 | | TRUE | |
| rs61873510 | | T | | G | | 0.020 | | 0.003 | | 6.90E-10 | | 38.04466 | | TRUE | |
| rs62097995 | | A | | T | | 0.020 | | 0.003 | | 6.90E-11 | | 42.53904 | | FALSE | |
| rs62305780 | | G | | C | | -0.049 | | 0.005 | | 9.90E-22 | | 91.74144 | | TRUE | |
| rs62339673 | | A | | C | | 0.018 | | 0.003 | | 6.60E-09 | | 33.64277 | | TRUE | |
| rs62466318 | | T | | C | | -0.025 | | 0.004 | | 1.40E-11 | | 45.61993 | | TRUE | |
| rs650558 | | T | | C | | 0.021 | | 0.004 | | 3.40E-09 | | 34.9433 | | TRUE | |
| rs6727281 | | T | | C | | -0.024 | | 0.004 | | 5.50E-10 | | 38.50403 | | TRUE | |
| rs6943160 | | C | | T | | 0.021 | | 0.004 | | 3.10E-08 | | 30.61829 | | TRUE | |
| rs71651683 | | T | | C | | -0.070 | | 0.013 | | 3.60E-08 | | 30.34519 | | TRUE | |
| rs72769229 | | T | | A | | -0.023 | | 0.004 | | 3.40E-08 | | 30.46487 | | TRUE | |
| rs72787062 | | A | | G | | -0.028 | | 0.004 | | 6.40E-12 | | 47.21512 | | TRUE | |
| rs728538 | | G | | T | | 0.023 | | 0.004 | | 1.80E-08 | | 31.70471 | | TRUE | |
| rs7298932 | | G | | A | | -0.024 | | 0.004 | | 3.80E-08 | | 30.26855 | | TRUE | |
| rs7302200 | | A | | G | | -0.018 | | 0.003 | | 8.40E-09 | | 33.17529 | | TRUE | |
| rs73050128 | | A | | C | | -0.026 | | 0.004 | | 2.10E-10 | | 40.40858 | | TRUE | |
| rs7330939 | | T | | C | | -0.021 | | 0.003 | | 3.70E-10 | | 39.25126 | | TRUE | |
| rs74679146 | | C | | T | | -0.032 | | 0.006 | | 2.50E-08 | | 31.03232 | | TRUE | |
| rs7514579 | | C | | A | | 0.020 | | 0.004 | | 4.60E-08 | | 29.88077 | | TRUE | |
| rs76082653 | | T | | C | | 0.046 | | 0.007 | | 3.80E-12 | | 48.20719 | | TRUE | |
| rs7610856 | | A | | C | | -0.024 | | 0.003 | | 7.70E-15 | | 60.41538 | | TRUE | |
| rs780094 | | C | | T | | -0.051 | | 0.003 | | 1.30E-60 | | 269.7086 | | TRUE | |
| rs780569 | | A | | T | | 0.020 | | 0.003 | | 4.00E-09 | | 34.64366 | | TRUE | |
| rs80292319 | | C | | T | | -0.039 | | 0.006 | | 1.40E-09 | | 36.73866 | | TRUE | |
| rs8043563 | | C | | G | | 0.023 | | 0.003 | | 1.70E-11 | | 45.30798 | | TRUE | |
| rs838145 | | A | | G | | 0.022 | | 0.003 | | 6.70E-13 | | 51.62942 | | TRUE | |
| rs8614 | | A | | C | | 0.025 | | 0.004 | | 2.70E-10 | | 39.85313 | | TRUE | |
| rs9349379 | | G | | A | | -0.019 | | 0.003 | | 3.50E-10 | | 39.39602 | | TRUE | |
| rs9372625 | | A | | G | | -0.026 | | 0.003 | | 2.90E-16 | | 66.90245 | | TRUE | |
| rs9403297 | | A | | G | | 0.019 | | 0.003 | | 1.80E-09 | | 36.15803 | | TRUE | |
| rs9648478 | | A | | G | | 0.017 | | 0.003 | | 2.60E-08 | | 30.98545 | | TRUE | |
| rs9814516 | | T | | G | | -0.025 | | 0.004 | | 1.60E-12 | | 49.87186 | | TRUE | |
| rs9829192 | | T | | G | | 0.017 | | 0.003 | | 2.80E-08 | | 30.81387 | | TRUE | |
| rs9906502 | | A | | G | | 0.024 | | 0.004 | | 1.90E-09 | | 36.05339 | | TRUE | |
| rs9912298 | | C | | A | | 0.021 | | 0.004 | | 9.70E-09 | | 32.8939 | | TRUE | |
| rs9958320 | | C | | T | | 0.025 | | 0.004 | | 5.90E-09 | | 33.86844 | | FALSE | |
| Beef intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10789340 | | G | | A | | -0.014 | | 0.002 | | 6.80E-15 | | 60.65228 | | TRUE | |
| rs10959890 | | C | | T | | -0.013 | | 0.002 | | 1.50E-09 | | 36.51213 | | TRUE | |
| rs1105388 | | T | | C | | -0.011 | | 0.002 | | 1.30E-09 | | 36.78231 | | TRUE | |
| rs11165829 | | G | | C | | -0.010 | | 0.002 | | 9.80E-09 | | 32.88727 | | TRUE | |
| rs11878917 | | A | | G | | 0.015 | | 0.003 | | 4.60E-08 | | 29.86712 | | TRUE | |
| rs12247907 | | C | | G | | 0.010 | | 0.002 | | 8.90E-09 | | 33.0688 | | FALSE | |
| rs132901 | | T | | C | | 0.014 | | 0.002 | | 2.90E-11 | | 44.27111 | | TRUE | |
| rs1421085 | | C | | T | | -0.012 | | 0.002 | | 3.50E-12 | | 48.39153 | | TRUE | |
| rs1470610 | | C | | G | | -0.012 | | 0.002 | | 1.50E-08 | | 32.05034 | | TRUE | |
| rs429358 | | C | | T | | -0.015 | | 0.002 | | 3.60E-10 | | 39.31869 | | TRUE | |
| rs4676964 | | T | | C | | 0.013 | | 0.002 | | 9.60E-15 | | 59.96685 | | TRUE | |
| rs62169335 | | T | | C | | -0.010 | | 0.002 | | 2.40E-08 | | 31.16018 | | TRUE | |
| rs62396185 | | C | | G | | -0.015 | | 0.002 | | 2.80E-14 | | 57.89211 | | TRUE | |
| rs7791463 | | A | | G | | 0.010 | | 0.002 | | 2.40E-08 | | 31.15692 | | TRUE | |
| rs784251 | | T | | C | | -0.010 | | 0.002 | | 1.70E-09 | | 36.27765 | | TRUE | |
| rs9407624 | | A | | T | | -0.014 | | 0.002 | | 1.10E-15 | | 64.33126 | | FALSE | |
| Cereal intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10057775 | | C | | T | | 0.020 | | 0.003 | | 4.50E-12 | | 47.90717 | | TRUE | |
| rs10837531 | | G | | C | | 0.011 | | 0.002 | | 2.00E-09 | | 36.0159 | | FALSE | |
| rs10857964 | | C | | T | | 0.014 | | 0.002 | | 1.70E-10 | | 40.80158 | | TRUE | |
| rs11038810 | | G | | A | | 0.011 | | 0.002 | | 2.30E-09 | | 35.70948 | | TRUE | |
| rs1104608 | | C | | G | | 0.011 | | 0.002 | | 2.30E-09 | | 35.68604 | | FALSE | |
| rs11097340 | | T | | C | | -0.012 | | 0.002 | | 2.10E-10 | | 40.3791 | | TRUE | |
| rs112780312 | | A | | G | | -0.012 | | 0.002 | | 1.80E-09 | | 36.20774 | | TRUE | |
| rs11670024 | | G | | A | | 0.016 | | 0.003 | | 1.10E-08 | | 32.71199 | | TRUE | |
| rs11940694 | | G | | A | | -0.013 | | 0.002 | | 5.00E-12 | | 47.67251 | | TRUE | |
| rs12354267 | | C | | T | | 0.012 | | 0.002 | | 1.70E-09 | | 36.31459 | | TRUE | |
| rs13234131 | | G | | A | | 0.017 | | 0.003 | | 1.60E-10 | | 40.89468 | | TRUE | |
| rs184643 | | A | | G | | -0.012 | | 0.002 | | 1.60E-11 | | 45.4377 | | TRUE | |
| rs1853931 | | A | | G | | -0.011 | | 0.002 | | 3.80E-10 | | 39.22313 | | TRUE | |
| rs2450126 | | G | | A | | -0.015 | | 0.002 | | 1.30E-09 | | 36.79447 | | TRUE | |
| rs2472297 | | T | | C | | -0.016 | | 0.002 | | 4.50E-15 | | 61.46701 | | TRUE | |
| rs2504706 | | C | | T | | 0.018 | | 0.002 | | 5.30E-18 | | 74.77077 | | TRUE | |
| rs2799849 | | T | | C | | -0.012 | | 0.002 | | 9.80E-11 | | 41.85293 | | TRUE | |
| rs2817377 | | A | | G | | 0.010 | | 0.002 | | 3.10E-08 | | 30.61704 | | TRUE | |
| rs2927238 | | G | | T | | 0.010 | | 0.002 | | 2.10E-08 | | 31.39198 | | TRUE | |
| rs3115230 | | A | | C | | -0.011 | | 0.002 | | 3.00E-08 | | 30.70681 | | TRUE | |
| rs3859193 | | A | | T | | -0.010 | | 0.002 | | 9.50E-09 | | 32.93551 | | FALSE | |
| rs4410790 | | C | | T | | -0.011 | | 0.002 | | 3.40E-09 | | 34.91983 | | TRUE | |
| rs4739095 | | A | | G | | -0.013 | | 0.002 | | 9.90E-10 | | 37.34745 | | TRUE | |
| rs4797242 | | A | | C | | 0.011 | | 0.002 | | 4.50E-09 | | 34.404 | | TRUE | |
| rs491711 | | C | | A | | 0.012 | | 0.002 | | 1.50E-09 | | 36.53906 | | TRUE | |
| rs4988235 | | A | | G | | 0.011 | | 0.002 | | 1.50E-08 | | 32.09052 | | TRUE | |
| rs56131196 | | A | | G | | 0.018 | | 0.002 | | 2.70E-15 | | 62.51062 | | TRUE | |
| rs62442924 | | T | | C | | 0.013 | | 0.002 | | 1.70E-08 | | 31.81416 | | TRUE | |
| rs627185 | | G | | C | | -0.011 | | 0.002 | | 1.50E-09 | | 36.55388 | | FALSE | |
| rs6510177 | | C | | T | | -0.013 | | 0.002 | | 1.20E-08 | | 32.47501 | | TRUE | |
| rs6545770 | | T | | A | | -0.014 | | 0.002 | | 2.70E-11 | | 44.39226 | | TRUE | |
| rs67723420 | | A | | T | | 0.011 | | 0.002 | | 1.20E-08 | | 32.48565 | | FALSE | |
| rs68136852 | | A | | C | | -0.014 | | 0.002 | | 1.20E-08 | | 32.46638 | | TRUE | |
| rs6918737 | | A | | T | | 0.014 | | 0.002 | | 7.60E-11 | | 42.36753 | | FALSE | |
| rs7040561 | | A | | T | | -0.016 | | 0.003 | | 1.10E-10 | | 41.6761 | | TRUE | |
| rs7619139 | | A | | T | | -0.017 | | 0.002 | | 9.70E-21 | | 87.22524 | | FALSE | |
| rs78854891 | | C | | T | | 0.022 | | 0.004 | | 1.10E-09 | | 37.13974 | | TRUE | |
| rs79642906 | | A | | G | | -0.018 | | 0.003 | | 1.90E-08 | | 31.64036 | | TRUE | |
| rs8097544 | | G | | A | | -0.025 | | 0.003 | | 3.20E-22 | | 94.00088 | | TRUE | |
| rs838133 | | G | | A | | -0.021 | | 0.002 | | 3.90E-29 | | 125.5181 | | TRUE | |
| rs9374896 | | T | | C | | 0.018 | | 0.002 | | 1.30E-22 | | 95.69385 | | TRUE | |
| rs9846396 | | T | | C | | 0.012 | | 0.002 | | 3.00E-11 | | 44.18807 | | TRUE | |
| rs9987289 | | G | | A | | 0.018 | | 0.003 | | 7.80E-09 | | 33.33573 | | TRUE | |
| Cheese intake | |  | |  | |  | |  | |  | |  | |  | |
| rs1024853 | | G | | C | | -0.013 | | 0.002 | | 1.30E-08 | | 32.32698 | | FALSE | |
| rs1073242 | | A | | G | | 0.016 | | 0.002 | | 6.70E-12 | | 47.1069 | | TRUE | |
| rs10896050 | | T | | G | | -0.018 | | 0.003 | | 7.20E-11 | | 42.46138 | | TRUE | |
| rs10938397 | | G | | A | | -0.013 | | 0.002 | | 1.80E-08 | | 31.68353 | | TRUE | |
| rs113367286 | | T | | C | | 0.015 | | 0.002 | | 1.30E-09 | | 36.87215 | | TRUE | |
| rs11620149 | | C | | T | | -0.018 | | 0.003 | | 3.60E-08 | | 30.34521 | | TRUE | |
| rs11649653 | | G | | C | | 0.014 | | 0.002 | | 1.50E-09 | | 36.51689 | | TRUE | |
| rs12296440 | | A | | G | | 0.019 | | 0.003 | | 2.80E-10 | | 39.77946 | | TRUE | |
| rs12447542 | | A | | G | | 0.020 | | 0.003 | | 6.80E-09 | | 33.59615 | | TRUE | |
| rs12475594 | | G | | A | | 0.016 | | 0.003 | | 4.40E-08 | | 29.94546 | | TRUE | |
| rs12672200 | | A | | G | | -0.014 | | 0.002 | | 9.00E-09 | | 33.03696 | | TRUE | |
| rs12786959 | | T | | A | | -0.016 | | 0.003 | | 1.20E-08 | | 32.48145 | | TRUE | |
| rs1291145 | | C | | T | | -0.020 | | 0.002 | | 4.40E-17 | | 70.58312 | | TRUE | |
| rs12951057 | | G | | C | | -0.021 | | 0.003 | | 3.60E-12 | | 48.30966 | | TRUE | |
| rs13107325 | | T | | C | | -0.029 | | 0.004 | | 7.00E-12 | | 47.02525 | | TRUE | |
| rs13257887 | | C | | T | | 0.016 | | 0.003 | | 2.70E-10 | | 39.89231 | | TRUE | |
| rs1434511 | | T | | C | | 0.013 | | 0.002 | | 9.50E-09 | | 32.94647 | | TRUE | |
| rs1514755 | | G | | A | | 0.016 | | 0.003 | | 3.90E-10 | | 39.1663 | | TRUE | |
| rs17115145 | | T | | C | | -0.013 | | 0.002 | | 1.80E-08 | | 31.64959 | | TRUE | |
| rs1806771 | | G | | T | | -0.022 | | 0.004 | | 4.10E-08 | | 30.12527 | | TRUE | |
| rs1931805 | | C | | T | | 0.013 | | 0.002 | | 1.60E-08 | | 31.93973 | | TRUE | |
| rs2339928 | | A | | G | | 0.015 | | 0.002 | | 1.20E-09 | | 36.92943 | | TRUE | |
| rs2352974 | | T | | C | | -0.014 | | 0.002 | | 1.00E-10 | | 41.7818 | | TRUE | |
| rs26579 | | C | | G | | -0.013 | | 0.002 | | 2.40E-08 | | 31.12995 | | TRUE | |
| rs2802530 | | A | | G | | 0.019 | | 0.003 | | 4.20E-08 | | 30.06532 | | TRUE | |
| rs2854175 | | A | | C | | 0.017 | | 0.003 | | 3.70E-11 | | 43.77167 | | TRUE | |
| rs2960578 | | G | | T | | 0.017 | | 0.002 | | 2.60E-14 | | 57.99856 | | TRUE | |
| rs34198643 | | T | | C | | -0.017 | | 0.003 | | 4.50E-10 | | 38.87448 | | TRUE | |
| rs35270670 | | G | | A | | 0.016 | | 0.003 | | 1.50E-09 | | 36.53766 | | TRUE | |
| rs3911016 | | G | | T | | 0.021 | | 0.003 | | 5.30E-10 | | 38.54793 | | TRUE | |
| rs4296548 | | G | | T | | 0.013 | | 0.002 | | 1.20E-08 | | 32.41024 | | TRUE | |
| rs4503172 | | T | | C | | 0.013 | | 0.002 | | 1.60E-08 | | 31.94295 | | TRUE | |
| rs4681981 | | A | | C | | -0.012 | | 0.002 | | 2.90E-08 | | 30.78955 | | TRUE | |
| rs4692708 | | C | | A | | 0.015 | | 0.003 | | 1.30E-08 | | 32.36802 | | TRUE | |
| rs4776970 | | T | | A | | 0.015 | | 0.002 | | 3.50E-11 | | 43.85391 | | TRUE | |
| rs4860341 | | C | | T | | 0.024 | | 0.004 | | 2.20E-08 | | 31.35148 | | TRUE | |
| rs504675 | | T | | C | | 0.027 | | 0.002 | | 1.00E-31 | | 137.3151 | | TRUE | |
| rs524468 | | G | | A | | -0.014 | | 0.003 | | 2.40E-08 | | 31.15441 | | TRUE | |
| rs531358 | | T | | C | | 0.013 | | 0.002 | | 1.80E-08 | | 31.73326 | | TRUE | |
| rs6126641 | | A | | G | | 0.013 | | 0.002 | | 3.30E-08 | | 30.49826 | | TRUE | |
| rs61734410 | | T | | C | | 0.017 | | 0.003 | | 2.20E-10 | | 40.31903 | | TRUE | |
| rs61953351 | | T | | G | | 0.015 | | 0.003 | | 1.50E-08 | | 31.99448 | | TRUE | |
| rs62034322 | | A | | G | | -0.014 | | 0.002 | | 1.40E-09 | | 36.7149 | | TRUE | |
| rs62236533 | | A | | G | | 0.025 | | 0.004 | | 1.10E-11 | | 46.10535 | | TRUE | |
| rs62245792 | | A | | T | | -0.018 | | 0.003 | | 1.40E-08 | | 32.14505 | | TRUE | |
| rs6685323 | | T | | C | | -0.013 | | 0.002 | | 4.80E-08 | | 29.8011 | | TRUE | |
| rs67238148 | | T | | G | | 0.017 | | 0.003 | | 1.10E-09 | | 37.14642 | | TRUE | |
| rs6774906 | | C | | A | | 0.032 | | 0.006 | | 2.50E-08 | | 31.08956 | | TRUE | |
| rs6873324 | | C | | A | | -0.012 | | 0.002 | | 3.90E-08 | | 30.18989 | | TRUE | |
| rs7012814 | | A | | G | | -0.019 | | 0.002 | | 2.10E-16 | | 67.48969 | | TRUE | |
| rs71386942 | | A | | C | | 0.014 | | 0.003 | | 9.90E-09 | | 32.85132 | | TRUE | |
| rs72970243 | | A | | G | | 0.022 | | 0.003 | | 6.70E-11 | | 42.59584 | | TRUE | |
| rs7298331 | | C | | A | | -0.013 | | 0.002 | | 1.10E-08 | | 32.64584 | | TRUE | |
| rs73024305 | | C | | G | | 0.033 | | 0.005 | | 4.00E-11 | | 43.608 | | FALSE | |
| rs73096946 | | C | | T | | -0.021 | | 0.003 | | 1.90E-11 | | 45.08646 | | TRUE | |
| rs73335955 | | C | | T | | 0.028 | | 0.005 | | 2.40E-08 | | 31.123 | | TRUE | |
| rs7386207 | | T | | C | | -0.012 | | 0.002 | | 3.60E-08 | | 30.33016 | | TRUE | |
| rs77742462 | | G | | A | | -0.047 | | 0.008 | | 9.80E-09 | | 32.87947 | | TRUE | |
| rs78876700 | | A | | G | | 0.018 | | 0.003 | | 3.40E-08 | | 30.46727 | | TRUE | |
| rs79184944 | | A | | T | | 0.020 | | 0.003 | | 2.40E-09 | | 35.61494 | | TRUE | |
| rs7936836 | | A | | C | | 0.016 | | 0.002 | | 2.60E-12 | | 48.96218 | | TRUE | |
| rs919109 | | C | | G | | 0.020 | | 0.003 | | 7.90E-10 | | 37.79204 | | TRUE | |
| rs9504123 | | C | | A | | 0.014 | | 0.003 | | 1.50E-08 | | 32.0297 | | TRUE | |
| rs9649582 | | T | | A | | -0.015 | | 0.002 | | 1.40E-09 | | 36.73731 | | FALSE | |
| rs975303 | | G | | A | | 0.021 | | 0.003 | | 2.50E-13 | | 53.56444 | | TRUE | |
| Coffee intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10119174 | | C | | G | | -0.009 | | 0.002 | | 1.00E-08 | | 32.77393 | | FALSE | |
| rs1057868 | | T | | C | | 0.020 | | 0.002 | | 5.40E-29 | | 124.901 | | TRUE | |
| rs117810762 | | A | | G | | 0.036 | | 0.006 | | 6.20E-09 | | 33.77546 | | TRUE | |
| rs12514566 | | A | | G | | -0.011 | | 0.002 | | 2.40E-11 | | 44.65106 | | TRUE | |
| rs12989746 | | T | | G | | 0.010 | | 0.002 | | 2.80E-08 | | 30.8215 | | TRUE | |
| rs13054099 | | C | | T | | -0.011 | | 0.002 | | 4.30E-09 | | 34.46046 | | TRUE | |
| rs13163336 | | A | | C | | 0.015 | | 0.002 | | 1.30E-11 | | 45.74204 | | TRUE | |
| rs1338549 | | G | | T | | -0.009 | | 0.002 | | 5.60E-09 | | 33.96098 | | TRUE | |
| rs13387939 | | A | | C | | 0.017 | | 0.002 | | 9.80E-15 | | 59.92958 | | TRUE | |
| rs1421085 | | C | | T | | 0.019 | | 0.002 | | 1.70E-29 | | 127.1591 | | TRUE | |
| rs1527961 | | C | | T | | -0.013 | | 0.002 | | 1.70E-08 | | 31.8082 | | TRUE | |
| rs17842490 | | G | | A | | -0.045 | | 0.007 | | 3.30E-11 | | 44.0116 | | TRUE | |
| rs1942965 | | C | | T | | -0.009 | | 0.002 | | 3.80E-08 | | 30.23611 | | TRUE | |
| rs2189234 | | G | | T | | 0.010 | | 0.002 | | 1.80E-09 | | 36.17198 | | TRUE | |
| rs2465037 | | A | | C | | -0.011 | | 0.002 | | 4.80E-10 | | 38.77213 | | TRUE | |
| rs2472297 | | T | | C | | 0.046 | | 0.002 | | 1.10E-142 | | 646.7349 | | TRUE | |
| rs2597805 | | T | | C | | 0.010 | | 0.002 | | 2.00E-08 | | 31.48852 | | TRUE | |
| rs34060476 | | G | | A | | 0.018 | | 0.002 | | 7.50E-15 | | 60.44987 | | TRUE | |
| rs4410790 | | C | | T | | 0.039 | | 0.002 | | 1.20E-120 | | 545.5087 | | TRUE | |
| rs442355 | | C | | G | | -0.011 | | 0.002 | | 1.90E-09 | | 36.09561 | | FALSE | |
| rs4615895 | | A | | G | | 0.012 | | 0.002 | | 4.20E-11 | | 43.51968 | | TRUE | |
| rs476828 | | C | | T | | 0.017 | | 0.002 | | 5.60E-20 | | 83.75065 | | TRUE | |
| rs516636 | | A | | C | | 0.012 | | 0.002 | | 4.00E-09 | | 34.63169 | | TRUE | |
| rs56113850 | | C | | T | | 0.013 | | 0.002 | | 8.90E-15 | | 60.12892 | | TRUE | |
| rs57918684 | | A | | G | | 0.013 | | 0.002 | | 8.60E-09 | | 33.14121 | | TRUE | |
| rs6062682 | | T | | C | | 0.010 | | 0.002 | | 2.50E-10 | | 40.02022 | | TRUE | |
| rs6063085 | | C | | A | | 0.010 | | 0.002 | | 4.50E-10 | | 38.89914 | | TRUE | |
| rs61928609 | | C | | A | | -0.015 | | 0.002 | | 1.30E-11 | | 45.85352 | | TRUE | |
| rs62064918 | | T | | C | | -0.010 | | 0.002 | | 4.10E-08 | | 30.10111 | | TRUE | |
| rs630194 | | C | | T | | -0.011 | | 0.002 | | 2.30E-11 | | 44.67842 | | TRUE | |
| rs6469262 | | C | | T | | -0.009 | | 0.002 | | 1.90E-08 | | 31.57592 | | TRUE | |
| rs7224815 | | T | | A | | -0.011 | | 0.002 | | 3.70E-11 | | 43.76535 | | TRUE | |
| rs73075167 | | T | | A | | -0.016 | | 0.002 | | 5.00E-11 | | 43.19132 | | TRUE | |
| rs75347775 | | A | | G | | 0.010 | | 0.002 | | 2.70E-08 | | 30.93296 | | TRUE | |
| rs780093 | | C | | T | | 0.013 | | 0.002 | | 1.00E-15 | | 64.3665 | | TRUE | |
| rs7811609 | | T | | C | | 0.009 | | 0.002 | | 4.00E-08 | | 30.13711 | | TRUE | |
| rs78267637 | | G | | C | | -0.025 | | 0.004 | | 3.90E-09 | | 34.69533 | | TRUE | |
| rs8056750 | | T | | C | | 0.011 | | 0.002 | | 1.30E-09 | | 36.77641 | | TRUE | |
| rs9398171 | | T | | C | | 0.011 | | 0.002 | | 1.10E-09 | | 37.21003 | | TRUE | |
| Cooked vegetable intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10156602 | | G | | A | | 0.011 | | 0.002 | | 1.80E-11 | | 45.21206 | | TRUE | |
| rs10161952 | | C | | A | | -0.010 | | 0.002 | | 1.30E-08 | | 32.28899 | | TRUE | |
| rs11138705 | | C | | G | | 0.010 | | 0.002 | | 1.40E-08 | | 32.119 | | TRUE | |
| rs12550717 | | A | | G | | 0.009 | | 0.002 | | 1.40E-08 | | 32.20363 | | TRUE | |
| rs12629972 | | C | | T | | 0.012 | | 0.002 | | 1.20E-13 | | 55.01758 | | TRUE | |
| rs1421085 | | C | | T | | 0.010 | | 0.002 | | 8.30E-11 | | 42.19354 | | TRUE | |
| rs1816263 | | C | | T | | 0.010 | | 0.002 | | 3.70E-08 | | 30.29903 | | TRUE | |
| rs2052063 | | T | | C | | -0.009 | | 0.002 | | 1.60E-09 | | 36.38485 | | TRUE | |
| rs2102738 | | C | | A | | -0.012 | | 0.002 | | 5.30E-09 | | 34.06615 | | TRUE | |
| rs2252508 | | G | | A | | 0.009 | | 0.002 | | 5.70E-09 | | 33.94941 | | TRUE | |
| rs2844672 | | A | | G | | -0.010 | | 0.002 | | 2.10E-09 | | 35.90141 | | TRUE | |
| rs28450747 | | A | | G | | -0.010 | | 0.002 | | 4.30E-08 | | 30.01057 | | TRUE | |
| rs28711392 | | C | | T | | -0.011 | | 0.002 | | 4.60E-11 | | 43.345 | | TRUE | |
| rs34155012 | | T | | C | | 0.011 | | 0.002 | | 3.90E-08 | | 30.17542 | | TRUE | |
| rs349062 | | C | | G | | -0.009 | | 0.002 | | 2.50E-08 | | 31.06004 | | FALSE | |
| rs4851029 | | G | | T | | 0.010 | | 0.002 | | 7.80E-11 | | 42.30741 | | TRUE | |
| rs838133 | | G | | A | | 0.012 | | 0.002 | | 4.50E-13 | | 52.39638 | | TRUE | |
| Dried fruit intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10026792 | | A | | G | | 0.011 | | 0.002 | | 3.90E-09 | | 34.66239 | | TRUE | |
| rs10129747 | | G | | A | | 0.009 | | 0.002 | | 2.60E-08 | | 30.98782 | | TRUE | |
| rs10740991 | | C | | G | | 0.017 | | 0.002 | | 2.00E-19 | | 81.23297 | | TRUE | |
| rs10896126 | | G | | A | | -0.015 | | 0.002 | | 1.60E-16 | | 68.06869 | | TRUE | |
| rs11037497 | | C | | G | | 0.010 | | 0.002 | | 5.70E-10 | | 38.412 | | FALSE | |
| rs11152349 | | A | | G | | 0.010 | | 0.002 | | 4.90E-08 | | 29.73987 | | TRUE | |
| rs11586016 | | C | | G | | 0.010 | | 0.002 | | 1.10E-08 | | 32.5905 | | FALSE | |
| rs11632215 | | C | | A | | -0.014 | | 0.003 | | 4.40E-08 | | 29.96285 | | TRUE | |
| rs11720884 | | G | | A | | 0.011 | | 0.002 | | 7.60E-09 | | 33.3623 | | TRUE | |
| rs11772627 | | C | | G | | 0.018 | | 0.002 | | 3.00E-17 | | 71.31639 | | TRUE | |
| rs11811826 | | A | | T | | 0.013 | | 0.002 | | 4.40E-11 | | 43.42533 | | TRUE | |
| rs12137234 | | T | | C | | 0.010 | | 0.002 | | 2.80E-08 | | 30.84666 | | TRUE | |
| rs1582322 | | G | | A | | 0.010 | | 0.002 | | 6.80E-09 | | 33.58824 | | TRUE | |
| rs1622515 | | G | | A | | 0.010 | | 0.002 | | 2.90E-09 | | 35.23254 | | TRUE | |
| rs1648404 | | T | | C | | 0.009 | | 0.002 | | 1.80E-08 | | 31.65487 | | TRUE | |
| rs17175518 | | A | | C | | 0.011 | | 0.002 | | 5.90E-09 | | 33.87762 | | TRUE | |
| rs17184707 | | T | | C | | -0.011 | | 0.002 | | 2.10E-08 | | 31.43407 | | TRUE | |
| rs1797235 | | C | | G | | -0.010 | | 0.002 | | 8.90E-09 | | 33.07628 | | TRUE | |
| rs2328887 | | C | | T | | 0.019 | | 0.003 | | 8.80E-12 | | 46.58811 | | TRUE | |
| rs2533273 | | A | | C | | -0.010 | | 0.002 | | 3.90E-09 | | 34.67971 | | TRUE | |
| rs261809 | | G | | A | | -0.010 | | 0.002 | | 9.80E-09 | | 32.88613 | | TRUE | |
| rs3101339 | | C | | A | | 0.014 | | 0.002 | | 6.20E-17 | | 69.90778 | | TRUE | |
| rs34162196 | | T | | C | | -0.022 | | 0.003 | | 7.10E-16 | | 65.09778 | | TRUE | |
| rs3764002 | | T | | C | | 0.013 | | 0.002 | | 5.10E-12 | | 47.65292 | | TRUE | |
| rs4140799 | | A | | G | | 0.009 | | 0.002 | | 1.80E-08 | | 31.74301 | | TRUE | |
| rs4149513 | | A | | G | | 0.012 | | 0.002 | | 2.20E-12 | | 49.25388 | | TRUE | |
| rs4269101 | | G | | T | | -0.014 | | 0.002 | | 1.10E-13 | | 55.17269 | | TRUE | |
| rs429358 | | C | | T | | 0.020 | | 0.002 | | 6.70E-18 | | 74.31256 | | TRUE | |
| rs4800488 | | A | | C | | 0.012 | | 0.002 | | 7.70E-13 | | 51.36788 | | TRUE | |
| rs57499472 | | C | | T | | 0.010 | | 0.002 | | 8.10E-09 | | 33.26248 | | TRUE | |
| rs62084586 | | C | | T | | 0.013 | | 0.002 | | 3.20E-09 | | 35.0731 | | TRUE | |
| rs72720396 | | G | | A | | 0.011 | | 0.002 | | 8.70E-09 | | 33.12272 | | TRUE | |
| rs746868 | | G | | C | | -0.013 | | 0.002 | | 5.20E-14 | | 56.65843 | | FALSE | |
| rs75641275 | | C | | A | | -0.014 | | 0.002 | | 2.90E-09 | | 35.25039 | | TRUE | |
| rs7582086 | | T | | G | | -0.010 | | 0.002 | | 8.80E-09 | | 33.08863 | | TRUE | |
| rs7599488 | | T | | C | | -0.010 | | 0.002 | | 6.70E-10 | | 38.10416 | | TRUE | |
| rs7808471 | | C | | T | | -0.012 | | 0.002 | | 1.10E-10 | | 41.71989 | | TRUE | |
| rs7829800 | | G | | A | | -0.010 | | 0.002 | | 5.10E-09 | | 34.16899 | | TRUE | |
| rs7916868 | | T | | A | | 0.010 | | 0.002 | | 9.10E-09 | | 33.03023 | | FALSE | |
| rs8081370 | | T | | C | | -0.017 | | 0.003 | | 1.40E-08 | | 32.18142 | | TRUE | |
| rs862227 | | G | | A | | -0.009 | | 0.002 | | 4.30E-08 | | 30.03012 | | TRUE | |
| rs893856 | | A | | G | | -0.013 | | 0.002 | | 1.30E-08 | | 32.34647 | | TRUE | |
| rs9385269 | | T | | C | | 0.012 | | 0.002 | | 7.20E-13 | | 51.48207 | | TRUE | |
| Fresh fruit intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10064431 | | C | | T | | -0.008 | | 0.001 | | 6.00E-10 | | 38.31131 | | TRUE | |
| rs10192394 | | T | | C | | -0.008 | | 0.001 | | 4.50E-10 | | 38.87538 | | TRUE | |
| rs10249294 | | A | | G | | 0.020 | | 0.001 | | 4.10E-54 | | 239.9397 | | TRUE | |
| rs10271924 | | T | | C | | -0.007 | | 0.001 | | 2.00E-08 | | 31.48147 | | TRUE | |
| rs1051547 | | C | | T | | -0.008 | | 0.001 | | 1.10E-09 | | 37.22385 | | TRUE | |
| rs10828266 | | G | | A | | 0.012 | | 0.001 | | 8.10E-20 | | 83.02291 | | TRUE | |
| rs10838724 | | T | | G | | 0.009 | | 0.001 | | 2.10E-12 | | 49.34428 | | TRUE | |
| rs10840126 | | G | | A | | -0.008 | | 0.001 | | 1.90E-09 | | 36.02782 | | TRUE | |
| rs11032362 | | A | | G | | 0.012 | | 0.002 | | 5.30E-09 | | 34.06327 | | TRUE | |
| rs11085749 | | A | | G | | -0.008 | | 0.001 | | 7.10E-10 | | 37.98711 | | TRUE | |
| rs11248509 | | T | | A | | 0.007 | | 0.001 | | 7.40E-09 | | 33.41416 | | FALSE | |
| rs11896330 | | A | | G | | -0.008 | | 0.001 | | 3.40E-11 | | 43.91943 | | TRUE | |
| rs12044599 | | G | | A | | 0.009 | | 0.002 | | 3.70E-10 | | 39.27153 | | TRUE | |
| rs12536253 | | C | | G | | -0.008 | | 0.001 | | 8.30E-09 | | 33.20468 | | FALSE | |
| rs12641371 | | T | | C | | 0.008 | | 0.001 | | 1.40E-10 | | 41.14755 | | TRUE | |
| rs12780952 | | A | | G | | 0.007 | | 0.001 | | 3.40E-08 | | 30.49196 | | TRUE | |
| rs12885598 | | A | | G | | 0.008 | | 0.001 | | 1.70E-09 | | 36.30087 | | TRUE | |
| rs13072255 | | C | | A | | 0.009 | | 0.001 | | 2.10E-13 | | 53.86676 | | TRUE | |
| rs1356292 | | T | | C | | 0.009 | | 0.002 | | 3.50E-09 | | 34.89053 | | TRUE | |
| rs1375566 | | A | | G | | -0.008 | | 0.001 | | 6.10E-10 | | 38.28951 | | TRUE | |
| rs149449 | | A | | G | | 0.007 | | 0.001 | | 2.40E-09 | | 35.65566 | | TRUE | |
| rs1620977 | | G | | A | | -0.013 | | 0.001 | | 1.10E-21 | | 91.45257 | | TRUE | |
| rs17049185 | | T | | G | | 0.008 | | 0.001 | | 7.30E-09 | | 33.44435 | | TRUE | |
| rs1866823 | | A | | G | | 0.007 | | 0.001 | | 2.10E-09 | | 35.8762 | | TRUE | |
| rs2048522 | | T | | A | | 0.010 | | 0.001 | | 1.80E-14 | | 58.73752 | | FALSE | |
| rs2093654 | | G | | A | | 0.007 | | 0.001 | | 1.50E-08 | | 32.07772 | | TRUE | |
| rs2143081 | | A | | G | | 0.008 | | 0.001 | | 1.30E-11 | | 45.84402 | | TRUE | |
| rs2302593 | | G | | C | | 0.009 | | 0.001 | | 3.10E-12 | | 48.62081 | | FALSE | |
| rs2790688 | | T | | C | | 0.011 | | 0.002 | | 1.50E-11 | | 45.54437 | | TRUE | |
| rs28479795 | | T | | C | | 0.011 | | 0.001 | | 2.50E-14 | | 58.11314 | | TRUE | |
| rs2867113 | | A | | G | | -0.014 | | 0.002 | | 1.50E-12 | | 49.99668 | | TRUE | |
| rs329274 | | G | | A | | 0.007 | | 0.001 | | 2.80E-08 | | 30.82219 | | TRUE | |
| rs34162196 | | T | | C | | -0.018 | | 0.002 | | 4.00E-19 | | 79.88997 | | TRUE | |
| rs4302893 | | A | | G | | 0.007 | | 0.001 | | 1.30E-08 | | 32.32273 | | TRUE | |
| rs4953150 | | T | | C | | -0.008 | | 0.001 | | 6.60E-11 | | 42.62079 | | TRUE | |
| rs559734 | | C | | G | | 0.008 | | 0.001 | | 1.10E-08 | | 32.58737 | | TRUE | |
| rs60452247 | | A | | G | | 0.008 | | 0.001 | | 3.40E-10 | | 39.42218 | | TRUE | |
| rs62051554 | | A | | G | | 0.012 | | 0.002 | | 4.60E-09 | | 34.34327 | | TRUE | |
| rs6475724 | | T | | C | | 0.008 | | 0.001 | | 1.90E-08 | | 31.5796 | | TRUE | |
| rs72974263 | | T | | C | | 0.007 | | 0.001 | | 1.80E-08 | | 31.67902 | | TRUE | |
| rs73455661 | | G | | A | | 0.010 | | 0.001 | | 4.10E-14 | | 57.10442 | | TRUE | |
| rs739320 | | C | | T | | -0.009 | | 0.001 | | 1.90E-12 | | 49.63513 | | TRUE | |
| rs7554485 | | C | | T | | -0.008 | | 0.001 | | 1.70E-10 | | 40.79324 | | TRUE | |
| rs7818437 | | C | | T | | -0.008 | | 0.001 | | 3.00E-08 | | 30.70109 | | TRUE | |
| rs78537042 | | A | | C | | -0.012 | | 0.002 | | 4.80E-08 | | 29.80916 | | TRUE | |
| rs7869969 | | G | | A | | 0.008 | | 0.001 | | 5.70E-09 | | 33.92702 | | TRUE | |
| rs7982441 | | C | | T | | -0.008 | | 0.001 | | 9.80E-10 | | 37.37087 | | TRUE | |
| rs8095324 | | G | | A | | -0.007 | | 0.001 | | 2.70E-08 | | 30.92716 | | TRUE | |
| rs817223 | | C | | T | | -0.007 | | 0.001 | | 2.80E-09 | | 35.30442 | | TRUE | |
| rs862227 | | G | | A | | -0.010 | | 0.001 | | 1.10E-16 | | 68.70251 | | TRUE | |
| rs9517948 | | T | | C | | 0.007 | | 0.001 | | 1.70E-08 | | 31.80743 | | TRUE | |
| rs9919429 | | G | | A | | -0.007 | | 0.001 | | 3.80E-08 | | 30.22594 | | TRUE | |
| rs994270 | | G | | C | | 0.013 | | 0.001 | | 4.20E-20 | | 84.31805 | | TRUE | |
| Lamb/mutton intake | |  | |  | |  | |  | |  | |  | |  | |
| rs11090045 | | A | | G | | -0.011 | | 0.002 | | 3.00E-11 | | 44.15968 | | TRUE | |
| rs11743441 | | T | | G | | -0.009 | | 0.001 | | 2.70E-09 | | 35.40816 | | TRUE | |
| rs12634740 | | G | | T | | -0.010 | | 0.002 | | 2.80E-09 | | 35.32387 | | TRUE | |
| rs136548 | | T | | C | | 0.010 | | 0.002 | | 2.90E-10 | | 39.73258 | | TRUE | |
| rs139237013 | | A | | G | | 0.019 | | 0.003 | | 1.80E-09 | | 36.22383 | | TRUE | |
| rs1556147 | | T | | A | | 0.009 | | 0.002 | | 5.30E-09 | | 34.07776 | | TRUE | |
| rs16891982 | | G | | C | | -0.024 | | 0.004 | | 2.70E-08 | | 30.91921 | | FALSE | |
| rs17270057 | | C | | T | | 0.013 | | 0.002 | | 4.30E-08 | | 30.03109 | | TRUE | |
| rs1958801 | | G | | A | | -0.009 | | 0.002 | | 3.20E-08 | | 30.57536 | | TRUE | |
| rs2140714 | | G | | C | | -0.009 | | 0.001 | | 7.70E-09 | | 33.34109 | | FALSE | |
| rs2222760 | | A | | G | | -0.009 | | 0.002 | | 2.80E-08 | | 30.84381 | | TRUE | |
| rs2678900 | | G | | T | | 0.010 | | 0.001 | | 9.90E-12 | | 46.35308 | | TRUE | |
| rs2726033 | | G | | A | | -0.009 | | 0.001 | | 1.50E-10 | | 41.09066 | | TRUE | |
| rs276453 | | C | | A | | -0.014 | | 0.001 | | 2.90E-22 | | 94.15439 | | TRUE | |
| rs2926119 | | A | | C | | 0.008 | | 0.001 | | 4.40E-08 | | 29.96387 | | TRUE | |
| rs3105056 | | C | | T | | -0.012 | | 0.002 | | 1.80E-12 | | 49.71869 | | TRUE | |
| rs35797675 | | G | | T | | -0.011 | | 0.002 | | 1.40E-09 | | 36.60068 | | TRUE | |
| rs3964074 | | C | | T | | -0.008 | | 0.001 | | 3.20E-08 | | 30.58063 | | TRUE | |
| rs4272399 | | A | | C | | -0.009 | | 0.002 | | 4.50E-09 | | 34.40571 | | TRUE | |
| rs429358 | | C | | T | | -0.018 | | 0.002 | | 2.70E-19 | | 80.61155 | | TRUE | |
| rs4489752 | | T | | G | | 0.014 | | 0.002 | | 2.80E-12 | | 48.85825 | | TRUE | |
| rs55813438 | | A | | G | | -0.011 | | 0.002 | | 4.70E-11 | | 43.30007 | | TRUE | |
| rs56394517 | | G | | A | | -0.014 | | 0.002 | | 3.20E-08 | | 30.57354 | | TRUE | |
| rs62398404 | | T | | C | | 0.013 | | 0.002 | | 4.00E-09 | | 34.64173 | | TRUE | |
| rs6581296 | | G | | C | | 0.010 | | 0.002 | | 4.00E-08 | | 30.16616 | | TRUE | |
| rs660880 | | A | | G | | -0.009 | | 0.001 | | 6.80E-10 | | 38.06426 | | TRUE | |
| rs673696 | | T | | C | | 0.016 | | 0.003 | | 3.70E-09 | | 34.79576 | | TRUE | |
| rs6829572 | | A | | G | | 0.008 | | 0.001 | | 1.20E-08 | | 32.48117 | | TRUE | |
| rs7447465 | | C | | T | | 0.010 | | 0.002 | | 2.00E-10 | | 40.47399 | | TRUE | |
| rs7550173 | | T | | A | | -0.009 | | 0.002 | | 1.30E-09 | | 36.88458 | | TRUE | |
| rs994270 | | G | | C | | 0.010 | | 0.002 | | 1.40E-08 | | 32.24174 | | TRUE | |
| Milk intake | |  | |  | |  | |  | |  | |  | |  | |
| rs115526621 | | T | | C | | 0.036 | | 0.008 | | 4.70E-06 | | 20.93652 | | TRUE | |
| rs117951732 | | G | | T | | 0.035 | | 0.007 | | 3.20E-06 | | 21.67011 | | TRUE | |
| rs12947049 | | A | | C | | -0.012 | | 0.003 | | 3.70E-06 | | 21.40867 | | TRUE | |
| rs143934486 | | G | | A | | 0.050 | | 0.011 | | 2.90E-06 | | 21.86381 | | TRUE | |
| rs145140220 | | G | | A | | 0.039 | | 0.008 | | 4.50E-06 | | 21.0538 | | TRUE | |
| rs1549862 | | C | | A | | -0.013 | | 0.003 | | 2.80E-06 | | 21.93356 | | TRUE | |
| rs191749866 | | C | | T | | 0.064 | | 0.012 | | 1.40E-07 | | 27.66126 | | TRUE | |
| rs2807888 | | A | | G | | -0.017 | | 0.003 | | 1.20E-06 | | 23.52107 | | TRUE | |
| rs34980790 | | C | | T | | 0.013 | | 0.003 | | 8.90E-07 | | 24.15906 | | TRUE | |
| rs3744761 | | T | | C | | 0.030 | | 0.006 | | 8.30E-07 | | 24.28747 | | TRUE | |
| rs56674454 | | C | | T | | 0.015 | | 0.003 | | 6.90E-07 | | 24.63845 | | TRUE | |
| rs6025776 | | A | | C | | 0.013 | | 0.003 | | 4.10E-06 | | 21.19787 | | TRUE | |
| rs62435191 | | A | | G | | 0.018 | | 0.004 | | 9.00E-07 | | 24.13868 | | TRUE | |
| rs6489968 | | A | | G | | -0.018 | | 0.004 | | 3.80E-06 | | 21.36434 | | TRUE | |
| rs71413244 | | A | | T | | 0.043 | | 0.009 | | 9.30E-07 | | 24.07732 | | TRUE | |
| rs781770 | | T | | C | | -0.015 | | 0.003 | | 1.10E-06 | | 23.72373 | | TRUE | |
| rs9342975 | | A | | C | | -0.013 | | 0.003 | | 2.60E-06 | | 22.12561 | | TRUE | |
| rs9400375 | | G | | A | | -0.013 | | 0.003 | | 3.20E-06 | | 21.66617 | | TRUE | |
| Non-oily fish intake | |  | |  | |  | |  | |  | |  | |  | |
| rs11680516 | | C | | T | | 0.012 | | 0.002 | | 1.40E-09 | | 36.68037 | | TRUE | |
| rs1260326 | | C | | T | | -0.010 | | 0.002 | | 7.90E-09 | | 33.31005 | | TRUE | |
| rs16822430 | | C | | T | | 0.012 | | 0.002 | | 1.40E-09 | | 36.72008 | | TRUE | |
| rs17317920 | | G | | A | | 0.009 | | 0.002 | | 2.80E-08 | | 30.85104 | | TRUE | |
| rs35287743 | | T | | G | | -0.018 | | 0.003 | | 3.60E-12 | | 48.306 | | TRUE | |
| rs3799077 | | G | | T | | -0.011 | | 0.002 | | 1.00E-09 | | 37.30026 | | TRUE | |
| rs56094641 | | G | | A | | 0.013 | | 0.002 | | 2.50E-14 | | 58.12229 | | TRUE | |
| rs6957745 | | C | | T | | -0.012 | | 0.002 | | 1.80E-09 | | 36.2331 | | TRUE | |
| rs7148387 | | G | | A | | -0.009 | | 0.002 | | 1.70E-08 | | 31.80433 | | TRUE | |
| rs838133 | | G | | A | | 0.016 | | 0.002 | | 4.70E-22 | | 93.21679 | | TRUE | |
| Oily fish intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10061973 | | T | | G | | -0.011 | | 0.002 | | 1.50E-08 | | 32.08083 | | TRUE | |
| rs10076975 | | C | | T | | 0.011 | | 0.002 | | 1.10E-08 | | 32.64294 | | TRUE | |
| rs10510554 | | C | | T | | 0.011 | | 0.002 | | 1.20E-08 | | 32.53327 | | TRUE | |
| rs10513136 | | A | | G | | -0.023 | | 0.004 | | 1.60E-09 | | 36.45114 | | TRUE | |
| rs10828250 | | G | | C | | -0.020 | | 0.002 | | 2.60E-22 | | 94.40954 | | TRUE | |
| rs114497213 | | T | | G | | 0.027 | | 0.004 | | 1.10E-10 | | 41.60243 | | TRUE | |
| rs11767283 | | G | | A | | 0.018 | | 0.002 | | 2.50E-14 | | 58.06074 | | TRUE | |
| rs11859365 | | C | | A | | 0.023 | | 0.002 | | 9.40E-25 | | 105.5278 | | TRUE | |
| rs11986122 | | G | | C | | 0.015 | | 0.002 | | 2.90E-14 | | 57.77687 | | FALSE | |
| rs1201289 | | G | | T | | -0.011 | | 0.002 | | 4.40E-08 | | 29.96578 | | TRUE | |
| rs12663865 | | A | | G | | 0.013 | | 0.002 | | 1.10E-08 | | 32.73239 | | TRUE | |
| rs12855717 | | T | | C | | -0.012 | | 0.002 | | 2.00E-10 | | 40.45694 | | TRUE | |
| rs12896749 | | C | | G | | -0.011 | | 0.002 | | 2.50E-08 | | 31.09911 | | FALSE | |
| rs12983532 | | T | | C | | -0.013 | | 0.002 | | 2.00E-09 | | 35.94371 | | TRUE | |
| rs13070166 | | A | | T | | 0.014 | | 0.002 | | 4.40E-10 | | 38.91073 | | TRUE | |
| rs1361016 | | G | | T | | 0.015 | | 0.003 | | 1.70E-08 | | 31.78436 | | TRUE | |
| rs1421085 | | C | | T | | 0.018 | | 0.002 | | 2.50E-21 | | 89.9428 | | TRUE | |
| rs16891727 | | A | | C | | -0.024 | | 0.003 | | 6.80E-17 | | 69.74043 | | TRUE | |
| rs17050031 | | T | | C | | -0.012 | | 0.002 | | 3.50E-10 | | 39.35477 | | TRUE | |
| rs1876245 | | C | | T | | 0.015 | | 0.002 | | 5.00E-15 | | 61.26631 | | TRUE | |
| rs1951286 | | G | | T | | -0.015 | | 0.002 | | 3.00E-13 | | 53.19582 | | TRUE | |
| rs2374424 | | G | | A | | -0.011 | | 0.002 | | 4.90E-09 | | 34.22593 | | TRUE | |
| rs275160 | | C | | T | | 0.012 | | 0.002 | | 8.00E-09 | | 33.27236 | | TRUE | |
| rs2827161 | | G | | T | | 0.011 | | 0.002 | | 3.20E-08 | | 30.5737 | | TRUE | |
| rs28533540 | | A | | G | | 0.015 | | 0.002 | | 2.80E-14 | | 57.86881 | | TRUE | |
| rs28623270 | | T | | A | | -0.018 | | 0.003 | | 7.30E-11 | | 42.43689 | | FALSE | |
| rs2952140 | | T | | C | | -0.011 | | 0.002 | | 2.50E-08 | | 31.08675 | | TRUE | |
| rs303817 | | G | | A | | 0.014 | | 0.002 | | 8.00E-10 | | 37.76993 | | TRUE | |
| rs3124402 | | G | | A | | -0.022 | | 0.002 | | 1.90E-24 | | 104.0873 | | TRUE | |
| rs35287743 | | T | | G | | -0.028 | | 0.003 | | 7.00E-21 | | 87.85758 | | TRUE | |
| rs4002471 | | T | | C | | -0.019 | | 0.002 | | 1.50E-23 | | 99.99896 | | TRUE | |
| rs4278546 | | G | | A | | 0.013 | | 0.002 | | 9.30E-11 | | 41.96948 | | TRUE | |
| rs45501495 | | T | | C | | 0.016 | | 0.002 | | 3.70E-12 | | 48.26092 | | TRUE | |
| rs4869859 | | C | | T | | 0.014 | | 0.002 | | 3.10E-13 | | 53.12825 | | TRUE | |
| rs4982738 | | A | | G | | 0.011 | | 0.002 | | 3.50E-08 | | 30.41399 | | TRUE | |
| rs510161 | | G | | C | | -0.011 | | 0.002 | | 4.50E-08 | | 29.9101 | | TRUE | |
| rs552234 | | A | | G | | -0.012 | | 0.002 | | 1.10E-09 | | 37.08908 | | TRUE | |
| rs55930451 | | T | | C | | -0.017 | | 0.003 | | 2.90E-08 | | 30.74454 | | TRUE | |
| rs55985303 | | A | | G | | 0.013 | | 0.002 | | 6.60E-09 | | 33.65669 | | TRUE | |
| rs59355765 | | T | | C | | -0.016 | | 0.003 | | 4.70E-10 | | 38.78434 | | TRUE | |
| rs6033437 | | A | | C | | 0.012 | | 0.002 | | 1.70E-08 | | 31.83614 | | TRUE | |
| rs6059844 | | G | | A | | 0.011 | | 0.002 | | 9.20E-09 | | 33.01247 | | TRUE | |
| rs6089753 | | T | | C | | -0.012 | | 0.002 | | 1.80E-09 | | 36.19794 | | TRUE | |
| rs61882686 | | A | | C | | 0.020 | | 0.003 | | 8.00E-09 | | 33.26374 | | TRUE | |
| rs631490 | | C | | G | | -0.015 | | 0.002 | | 6.00E-13 | | 51.85085 | | TRUE | |
| rs6465487 | | G | | A | | -0.012 | | 0.002 | | 2.70E-10 | | 39.87659 | | TRUE | |
| rs703987 | | C | | G | | 0.011 | | 0.002 | | 1.70E-08 | | 31.7558 | | TRUE | |
| rs7243428 | | G | | A | | -0.013 | | 0.002 | | 1.50E-08 | | 32.0603 | | TRUE | |
| rs7254235 | | G | | A | | -0.011 | | 0.002 | | 4.30E-08 | | 30.02217 | | TRUE | |
| rs75887709 | | G | | A | | -0.016 | | 0.003 | | 1.60E-08 | | 31.95053 | | TRUE | |
| rs7683782 | | G | | C | | 0.014 | | 0.003 | | 1.90E-08 | | 31.63541 | | TRUE | |
| rs790564 | | C | | A | | 0.015 | | 0.002 | | 7.90E-12 | | 46.78946 | | TRUE | |
| rs905575 | | G | | C | | 0.014 | | 0.003 | | 3.60E-08 | | 30.36786 | | TRUE | |
| rs9301837 | | A | | C | | -0.016 | | 0.003 | | 8.10E-09 | | 33.24264 | | TRUE | |
| rs9597870 | | G | | T | | -0.013 | | 0.002 | | 1.10E-08 | | 32.65006 | | TRUE | |
| rs9606833 | | C | | T | | 0.017 | | 0.002 | | 2.70E-14 | | 57.97133 | | TRUE | |
| rs973526 | | T | | C | | -0.012 | | 0.002 | | 2.50E-09 | | 35.56155 | | TRUE | |
| rs9841174 | | C | | T | | 0.015 | | 0.002 | | 8.50E-14 | | 55.69256 | | TRUE | |
| rs9886779 | | A | | T | | -0.011 | | 0.002 | | 2.70E-08 | | 30.89422 | | FALSE | |
| rs9889161 | | T | | G | | -0.013 | | 0.002 | | 2.80E-11 | | 44.28981 | | TRUE | |
| rs9958909 | | G | | T | | 0.016 | | 0.003 | | 1.40E-08 | | 32.18945 | | TRUE | |
| Pork intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10972033 | | T | | G | | 0.009 | | 0.001 | | 1.30E-09 | | 36.85323 | | TRUE | |
| rs11211124 | | C | | T | | -0.010 | | 0.002 | | 1.40E-08 | | 32.19479 | | TRUE | |
| rs12721051 | | G | | C | | -0.012 | | 0.002 | | 5.60E-11 | | 42.94471 | | TRUE | |
| rs1355171 | | A | | C | | -0.011 | | 0.001 | | 1.00E-13 | | 55.29639 | | TRUE | |
| rs2387807 | | T | | C | | -0.015 | | 0.003 | | 4.10E-08 | | 30.12432 | | TRUE | |
| rs254152 | | G | | C | | -0.010 | | 0.002 | | 2.20E-09 | | 35.81825 | | TRUE | |
| rs34161520 | | G | | C | | 0.012 | | 0.002 | | 9.60E-09 | | 32.91157 | | TRUE | |
| rs36124222 | | C | | T | | 0.008 | | 0.002 | | 2.10E-08 | | 31.3951 | | TRUE | |
| rs3964074 | | C | | T | | -0.009 | | 0.001 | | 1.60E-09 | | 36.40633 | | TRUE | |
| rs4146837 | | T | | C | | 0.009 | | 0.001 | | 4.00E-09 | | 34.61524 | | TRUE | |
| rs7641973 | | A | | G | | 0.008 | | 0.002 | | 4.20E-08 | | 30.04203 | | TRUE | |
| rs838133 | | G | | A | | 0.011 | | 0.002 | | 9.00E-13 | | 51.04089 | | TRUE | |
| rs9379832 | | G | | A | | -0.011 | | 0.002 | | 1.80E-11 | | 45.20014 | | TRUE | |
| rs9973426 | | G | | A | | 0.011 | | 0.002 | | 1.00E-08 | | 32.75573 | | TRUE | |
| Poultry intake | |  | |  | |  | |  | |  | |  | |  | |
| rs1051730 | | A | | G | | -0.011 | | 0.002 | | 1.70E-08 | | 31.77634 | | TRUE | |
| rs2426440 | | G | | A | | 0.011 | | 0.002 | | 4.70E-08 | | 29.84918 | | TRUE | |
| rs2565017 | | A | | G | | 0.011 | | 0.002 | | 5.90E-09 | | 33.85768 | | TRUE | |
| rs2965200 | | A | | G | | -0.010 | | 0.002 | | 4.20E-08 | | 30.04668 | | TRUE | |
| rs7046351 | | A | | T | | 0.011 | | 0.002 | | 1.10E-09 | | 37.1312 | | FALSE | |
| rs7829800 | | G | | A | | 0.011 | | 0.002 | | 3.70E-09 | | 34.78148 | | TRUE | |
| rs9923768 | | A | | G | | 0.011 | | 0.002 | | 1.60E-08 | | 31.97727 | | TRUE | |
| rs9997448 | | T | | C | | -0.010 | | 0.002 | | 2.70E-08 | | 30.88872 | | TRUE | |
| Salad / raw vegetable intake | |  | |  | |  | |  | |  | |  | |  | |
| rs1052352 | | T | | C | | 0.008 | | 0.001 | | 1.00E-08 | | 32.79692 | | TRUE | |
| rs10819082 | | A | | G | | -0.009 | | 0.002 | | 1.40E-09 | | 36.67096 | | TRUE | |
| rs12203592 | | T | | C | | -0.010 | | 0.002 | | 1.30E-09 | | 36.86606 | | TRUE | |
| rs12908495 | | A | | C | | -0.009 | | 0.002 | | 2.00E-08 | | 31.5075 | | TRUE | |
| rs13102393 | | G | | C | | 0.008 | | 0.001 | | 2.40E-08 | | 31.12323 | | FALSE | |
| rs17460017 | | T | | A | | 0.011 | | 0.002 | | 7.20E-10 | | 37.97264 | | FALSE | |
| rs1890012 | | G | | T | | -0.010 | | 0.002 | | 8.10E-09 | | 33.25453 | | TRUE | |
| rs2194027 | | A | | T | | -0.009 | | 0.001 | | 2.00E-09 | | 35.95028 | | FALSE | |
| rs3095337 | | C | | G | | -0.013 | | 0.002 | | 9.00E-13 | | 51.05981 | | FALSE | |
| rs3129962 | | A | | G | | -0.013 | | 0.002 | | 3.70E-10 | | 39.28062 | | FALSE | |
| rs34186148 | | C | | G | | -0.008 | | 0.001 | | 4.80E-08 | | 29.80024 | | FALSE | |
| rs4083969 | | G | | C | | 0.017 | | 0.003 | | 3.80E-08 | | 30.24846 | | TRUE | |
| rs4291983 | | A | | C | | -0.008 | | 0.001 | | 3.70E-09 | | 34.75595 | | TRUE | |
| rs57221424 | | G | | C | | 0.009 | | 0.002 | | 5.50E-09 | | 34.00446 | | TRUE | |
| rs62461186 | | C | | A | | -0.011 | | 0.002 | | 1.00E-09 | | 37.30299 | | TRUE | |
| rs6482190 | | G | | A | | 0.011 | | 0.002 | | 1.40E-12 | | 50.2416 | | TRUE | |
| rs75248709 | | T | | C | | -0.020 | | 0.004 | | 2.20E-08 | | 31.29196 | | TRUE | |
| rs7619139 | | A | | T | | 0.012 | | 0.001 | | 8.00E-18 | | 73.94938 | | FALSE | |
| rs7821179 | | C | | G | | -0.011 | | 0.002 | | 4.40E-08 | | 29.96117 | | TRUE | |
| rs790561 | | G | | A | | 0.012 | | 0.002 | | 1.40E-15 | | 63.77566 | | TRUE | |
| rs8130508 | | A | | G | | 0.009 | | 0.002 | | 3.00E-08 | | 30.68069 | | TRUE | |
| rs9427220 | | T | | A | | -0.008 | | 0.001 | | 2.80E-08 | | 30.83517 | | FALSE | |
| Salted nuts intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10845793 | | G | | C | | -0.013 | | 0.003 | | 1.60E-06 | | 22.97093 | | FALSE | |
| rs10996983 | | T | | C | | 0.025 | | 0.006 | | 4.50E-06 | | 21.02291 | | TRUE | |
| rs117345122 | | T | | G | | 0.020 | | 0.004 | | 1.50E-06 | | 23.21262 | | TRUE | |
| rs13284665 | | G | | A | | 0.014 | | 0.002 | | 1.20E-09 | | 36.95751 | | TRUE | |
| rs1381597 | | T | | C | | -0.008 | | 0.002 | | 3.40E-06 | | 21.56342 | | TRUE | |
| rs138188349 | | G | | A | | 0.031 | | 0.006 | | 8.30E-07 | | 24.29527 | | TRUE | |
| rs147958200 | | T | | C | | 0.032 | | 0.007 | | 3.10E-06 | | 21.73021 | | TRUE | |
| rs150856188 | | T | | G | | 0.039 | | 0.008 | | 9.50E-07 | | 24.03526 | | TRUE | |
| rs1653772 | | G | | A | | -0.031 | | 0.007 | | 2.10E-06 | | 22.47855 | | TRUE | |
| rs4972701 | | T | | C | | -0.007 | | 0.002 | | 3.60E-06 | | 21.46608 | | TRUE | |
| rs506454 | | C | | T | | 0.036 | | 0.008 | | 2.50E-06 | | 22.17304 | | TRUE | |
| rs55768166 | | G | | A | | 0.010 | | 0.002 | | 4.40E-06 | | 21.07085 | | TRUE | |
| rs55830729 | | C | | G | | 0.020 | | 0.004 | | 2.20E-06 | | 22.38483 | | TRUE | |
| rs73085383 | | T | | C | | 0.037 | | 0.007 | | 1.30E-07 | | 27.87891 | | TRUE | |
| rs75342409 | | C | | T | | 0.035 | | 0.007 | | 1.10E-07 | | 28.22684 | | TRUE | |
| rs79900875 | | G | | A | | 0.019 | | 0.004 | | 3.50E-06 | | 21.51097 | | TRUE | |
| rs80265037 | | T | | G | | 0.017 | | 0.004 | | 4.30E-06 | | 21.14377 | | TRUE | |
| rs906822 | | T | | G | | 0.015 | | 0.003 | | 2.50E-06 | | 22.13426 | | TRUE | |
| rs9613266 | | C | | T | | -0.008 | | 0.002 | | 1.40E-06 | | 23.34378 | | TRUE | |
| Tea intake | |  | |  | |  | |  | |  | |  | |  | |
| rs10741694 | | C | | T | | 0.015 | | 0.002 | | 7.90E-12 | | 46.78446 | | TRUE | |
| rs10752269 | | A | | G | | -0.013 | | 0.002 | | 1.30E-09 | | 36.87822 | | TRUE | |
| rs10764990 | | A | | G | | -0.012 | | 0.002 | | 1.90E-08 | | 31.58923 | | TRUE | |
| rs11164870 | | G | | C | | -0.012 | | 0.002 | | 4.20E-08 | | 30.03686 | | FALSE | |
| rs1156588 | | G | | A | | -0.015 | | 0.003 | | 2.90E-09 | | 35.24115 | | TRUE | |
| rs11587444 | | G | | A | | 0.014 | | 0.002 | | 1.00E-10 | | 41.78853 | | TRUE | |
| rs12591786 | | T | | C | | -0.018 | | 0.003 | | 3.70E-10 | | 39.27397 | | TRUE | |
| rs13282783 | | T | | C | | -0.014 | | 0.002 | | 7.90E-09 | | 33.28934 | | TRUE | |
| rs132904 | | C | | G | | 0.017 | | 0.003 | | 7.80E-11 | | 42.29582 | | TRUE | |
| rs141071726 | | A | | G | | 0.041 | | 0.007 | | 2.20E-09 | | 35.75355 | | TRUE | |
| rs1453548 | | A | | T | | -0.013 | | 0.002 | | 3.00E-09 | | 35.16754 | | FALSE | |
| rs1481012 | | G | | A | | -0.026 | | 0.003 | | 5.30E-15 | | 61.14753 | | TRUE | |
| rs17245213 | | A | | G | | -0.015 | | 0.003 | | 2.00E-08 | | 31.52084 | | TRUE | |
| rs17576658 | | A | | G | | -0.013 | | 0.002 | | 4.10E-08 | | 30.1166 | | TRUE | |
| rs17685 | | A | | G | | 0.023 | | 0.002 | | 1.60E-22 | | 95.36398 | | TRUE | |
| rs2117137 | | G | | A | | 0.013 | | 0.002 | | 1.70E-09 | | 36.33813 | | TRUE | |
| rs2273447 | | T | | A | | 0.017 | | 0.003 | | 3.30E-11 | | 43.99057 | | TRUE | |
| rs2279844 | | A | | G | | -0.012 | | 0.002 | | 4.00E-08 | | 30.15138 | | TRUE | |
| rs2351187 | | A | | G | | 0.013 | | 0.002 | | 1.60E-08 | | 31.95868 | | TRUE | |
| rs2472297 | | T | | C | | 0.053 | | 0.002 | | 2.30E-109 | | 493.6456 | | TRUE | |
| rs2478875 | | G | | A | | 0.022 | | 0.003 | | 5.10E-17 | | 70.29945 | | TRUE | |
| rs2645929 | | G | | A | | -0.015 | | 0.003 | | 3.50E-08 | | 30.42396 | | TRUE | |
| rs2783129 | | G | | C | | -0.012 | | 0.002 | | 3.80E-08 | | 30.25428 | | FALSE | |
| rs34619 | | A | | G | | 0.012 | | 0.002 | | 4.30E-08 | | 30.02117 | | TRUE | |
| rs4410790 | | C | | T | | 0.041 | | 0.002 | | 3.40E-76 | | 341.2698 | | TRUE | |
| rs4808193 | | C | | T | | 0.015 | | 0.002 | | 1.70E-11 | | 45.24047 | | TRUE | |
| rs4817505 | | C | | T | | 0.015 | | 0.002 | | 4.20E-12 | | 48.01229 | | TRUE | |
| rs56188862 | | C | | T | | -0.016 | | 0.002 | | 4.30E-13 | | 52.49734 | | TRUE | |
| rs56348300 | | G | | C | | 0.016 | | 0.003 | | 6.10E-09 | | 33.79866 | | TRUE | |
| rs57462170 | | A | | G | | 0.019 | | 0.003 | | 1.90E-08 | | 31.62025 | | TRUE | |
| rs57631352 | | G | | A | | -0.013 | | 0.002 | | 1.70E-08 | | 31.86843 | | TRUE | |
| rs6829 | | T | | C | | -0.012 | | 0.002 | | 3.70E-08 | | 30.28186 | | TRUE | |
| rs713598 | | G | | C | | 0.013 | | 0.002 | | 5.20E-10 | | 38.58988 | | FALSE | |
| rs72797284 | | G | | A | | -0.017 | | 0.002 | | 7.00E-13 | | 51.55815 | | TRUE | |
| rs7757102 | | G | | A | | -0.012 | | 0.002 | | 3.10E-08 | | 30.62395 | | TRUE | |
| rs9302428 | | G | | C | | 0.012 | | 0.002 | | 2.60E-08 | | 30.94855 | | FALSE | |
| rs9624470 | | A | | G | | 0.025 | | 0.002 | | 1.30E-31 | | 136.8396 | | TRUE | |
| rs9648476 | | A | | G | | 0.013 | | 0.002 | | 1.10E-08 | | 32.72205 | | TRUE | |
| rs977474 | | T | | C | | 0.022 | | 0.003 | | 2.40E-14 | | 58.18029 | | TRUE | |
| rs9937354 | | A | | G | | -0.014 | | 0.002 | | 4.90E-11 | | 43.23125 | | TRUE | |
| Type of fat/oil used in cooking: Butter | |  | |  | |  | |  | |  | |  | |  | |
| rs17241659 | | A | | G | | -0.012 | | 0.002 | | 2.00E-07 | | 27.07175 | | TRUE | |
| rs72941801 | | T | | C | | 0.013 | | 0.003 | | 1.10E-06 | | 23.75417 | | TRUE | |
| rs7722488 | | T | | C | | 0.014 | | 0.003 | | 3.10E-06 | | 21.76411 | | TRUE | |
| Type of fat/oil used in cooking: Olive oil | |  | |  | |  | |  | |  | |  | |  | |
| rs10970249 | | T | | C | | 0.025 | | 0.005 | | 3.60E-06 | | 21.45864 | | TRUE | |
| rs11137009 | | A | | C | | -0.014 | | 0.003 | | 7.30E-07 | | 24.52631 | | TRUE | |
| rs1152834 | | C | | T | | -0.013 | | 0.003 | | 2.40E-06 | | 22.27429 | | TRUE | |
| rs2161277 | | T | | C | | -0.021 | | 0.004 | | 1.90E-06 | | 22.72112 | | TRUE | |
| rs3004203 | | G | | A | | -0.027 | | 0.006 | | 4.80E-06 | | 20.91318 | | TRUE | |
| rs6965810 | | C | | T | | 0.013 | | 0.003 | | 2.20E-06 | | 22.41863 | | TRUE | |
| rs6966854 | | G | | A | | 0.035 | | 0.007 | | 2.20E-07 | | 26.87238 | | TRUE | |
| rs7128860 | | T | | G | | -0.015 | | 0.003 | | 1.40E-06 | | 23.31884 | | TRUE | |
| Type of special diet followed: Low calorie | |  | |  | |  | |  | |  | |  | |  | |
| rs10117336 | | A | | C | | 0.013 | | 0.003 | | 1.60E-06 | | 23.03747 | | TRUE | |
| rs11012730 | | A | | G | | 0.009 | | 0.002 | | 3.20E-06 | | 21.71336 | | TRUE | |
| rs11729430 | | T | | C | | 0.009 | | 0.002 | | 4.80E-06 | | 20.93061 | | TRUE | |
| rs62033406 | | G | | A | | 0.010 | | 0.002 | | 8.80E-08 | | 28.62858 | | TRUE | |
| rs7155478 | | G | | A | | -0.009 | | 0.002 | | 2.50E-06 | | 22.14125 | | TRUE | |
| rs8037652 | | A | | G | | -0.013 | | 0.003 | | 4.80E-06 | | 20.92564 | | TRUE | |
| Unsalted nuts intake | |  | |  | |  | |  | |  | |  | |  | |
| rs11241419 | | C | | G | | 0.025 | | 0.005 | | 8.00E-07 | | 24.35587 | | TRUE | |
| rs112734217 | | T | | A | | 0.032 | | 0.007 | | 1.80E-06 | | 22.78126 | | TRUE | |
| rs117987918 | | A | | G | | 0.051 | | 0.011 | | 3.50E-06 | | 21.52578 | | TRUE | |
| rs139312083 | | C | | T | | 0.053 | | 0.011 | | 1.30E-06 | | 23.35761 | | TRUE | |
| rs145713169 | | A | | G | | 0.035 | | 0.008 | | 2.80E-06 | | 21.97852 | | TRUE | |
| rs2178664 | | C | | T | | 0.032 | | 0.007 | | 4.80E-06 | | 20.93329 | | TRUE | |
| rs2664108 | | G | | A | | -0.013 | | 0.003 | | 4.60E-06 | | 20.99429 | | TRUE | |
| rs4734720 | | C | | T | | 0.021 | | 0.005 | | 3.50E-06 | | 21.51098 | | TRUE | |
| rs4904335 | | G | | A | | -0.021 | | 0.004 | | 3.30E-06 | | 21.6357 | | TRUE | |
| rs62030847 | | T | | C | | 0.025 | | 0.005 | | 4.40E-06 | | 21.07554 | | TRUE | |
| rs73913809 | | A | | G | | 0.024 | | 0.005 | | 4.70E-06 | | 20.96485 | | TRUE | |
| rs76520208 | | T | | C | | 0.037 | | 0.008 | | 1.60E-06 | | 22.96958 | | TRUE | |
| rs77536627 | | T | | C | | 0.036 | | 0.008 | | 3.00E-06 | | 21.80322 | | TRUE | |

SNP, single nucleotide polymorphism; EA, effect allele; OA, other allele; Se, standard error.

Supplementary Table 2. Outliers in the analysis of Mendelian randomization.

|  |  |
| --- | --- |
| Exposure | Outliers |
| **Alcohol consumed** | NA |
| **Alcohol intake frequency** | "rs11223617" "rs12153855" "rs1228589" "rs12312693""rs1893659""rs2159935" "rs4241258" "rs4503294" "rs473098" "rs6943160" "rs7302200" |
| **Beef intake** | "rs10959890" |
| **Cereal intake** | "rs11940694" "rs1853931" "rs2450126" "rs2504706" "rs2817377" "rs2927238" "rs4739095" |
| **Cheese intake** | "rs113367286" "rs2960578" "rs504675" "rs531358" "rs61734410" "rs62034322" "rs78876700" "rs7936836" |
| **Coffee intake** | "rs13054099" "rs516636" "rs73075167" |
| **Cooked vegetable intake** | "rs12550717" "rs1816263" "rs2052063" "rs2844672" |
| **Salad / raw vegetable intake** | NA |
| **Dried fruit intake** | NA |
| **Fresh fruit intake** | "rs10840126" "rs11896330" "rs2093654" "rs2143081" "rs4953150" "rs60452247" "rs9919429" "rs994270" |
| **Lamb/mutton intake** | "rs11090045" "rs139237013" "rs276453" "rs994270" |
| **Milk intake** | NA |
| **Non-oily fish intake** | NA |
| **Oily fish intake** | "rs16891727" "rs2952140" "rs4982738" "rs703987" "rs75887709" "rs905575" |
| **Pork intake** | "rs1355171" "rs9379832" |
| **Poultry intake** | "rs2965200" |
| **Unsalted nuts intake** | NA |
| **Salted nuts intake** | NA |
| **Tea intake** | "rs11164870" "rs2478875" "rs4808193" "rs9624470" |
| **Type of fat/oil used in cooking: Butter** | NA |
| **Type of fat/oil used in cooking: Olive oil** | NA |
| **Type of special diet followed: Low calorie** | NA |