|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table S8. Details of white blood cells predicting SNPs with colorectal cancer uesing multivariable Mendelian randomization in East Asian cohort. | | | | | | | | | | | | | | | | | | | | | | | | | |
| **SNP** | **Colorectal cancer** | | | | | **Basophils** | | | | **Eosinophils** | | | | **Lymphocytes** | | | | **Monocytes** | | | | **Neutrophils** | | | |
| **Effect allele** | **Other allele** | **Standard Error** | **Beta** | **P-value** | **P-value** | **Beta** | **Standard Error** | **F-statistic** | **P-value** | **Beta** | **Standard Error** | **F-statistic** | **P-value** | **Beta** | **Standard Error** | **F-statistic** | **P-value** | **Beta** | **Standard Error** | **F-statistic** | **P-value** | **Beta** | **Standard Error** | **F-statistic** |
| rs1007638 | A | G | -0.0069 | 0.0176 | 0.6949 |  |  |  |  |  |  |  |  |  |  |  |  | 2.37E-14 | -0.0441 | 0.0058 | 58.1882 |  |  |  |  |
| rs10276619 | A | G | 0.0079 | 0.0174 | 0.6473 |  |  |  |  |  |  |  |  |  |  |  |  | 1.23E-10 | -0.0367 | 0.0057 | 41.4249 |  |  |  |  |
| rs10404046 | C | G | 0.0077 | 0.0198 | 0.6989 |  |  |  |  |  |  |  |  | 7.48E-13 | -0.0471 | 0.0066 | 51.4161 |  |  |  |  |  |  |  |  |
| rs10980797 | G | A | -0.0186 | 0.0246 | 0.4479 |  |  |  |  |  |  |  |  |  |  |  |  | 9.03E-16 | -0.0647 | 0.0080 | 64.6302 |  |  |  |  |
| rs11018874 | A | G | 0.0093 | 0.0192 | 0.6285 | 2.27E-16 | -0.0551 | 0.0067 | 67.3486 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11190140 | C | T | 0.0438 | 0.0176 | 0.0126 |  |  |  |  |  |  |  |  |  |  |  |  | 1.25E-09 | -0.0350 | 0.0058 | 36.8848 |  |  |  |  |
| rs115007843 | C | A | 0.0145 | 0.0180 | 0.4195 |  |  |  |  |  |  |  |  |  |  |  |  | 3.48E-17 | -0.0534 | 0.0063 | 71.0541 |  |  |  |  |
| rs11857230 | T | A | -0.0358 | 0.0186 | 0.0541 | 5.51E-13 | -0.0440 | 0.0061 | 52.0147 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12208785 | G | A | -0.0210 | 0.0211 | 0.3184 | 4.14E-10 | 0.0432 | 0.0069 | 39.0557 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12357266 | A | G | -0.0130 | 0.0183 | 0.4770 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.24E-10 | 0.0369 | 0.0060 | 37.9458 |
| rs12461821 | A | G | -0.0338 | 0.0179 | 0.0582 |  |  |  |  |  |  |  |  |  |  |  |  | 6.56E-11 | -0.0384 | 0.0059 | 42.6539 |  |  |  |  |
| rs12469306 | G | A | 0.0264 | 0.0229 | 0.2504 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.51E-09 | -0.0459 | 0.0077 | 35.5340 |
| rs12606438 | C | A | 0.0078 | 0.0196 | 0.6928 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.39E-10 | 0.0415 | 0.0065 | 41.1875 |
| rs12898000 | C | G | -0.0270 | 0.0188 | 0.1511 |  |  |  |  |  |  |  |  |  |  |  |  | 3.74E-12 | 0.0433 | 0.0062 | 48.2420 |  |  |  |  |
| rs13022407 | C | T | -0.0066 | 0.0187 | 0.7247 |  |  |  |  | 6.20E-19 | -0.0549 | 0.0062 | 79.0059 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1333054 | T | C | -0.0433 | 0.0187 | 0.0207 |  |  |  |  |  |  |  |  | 4.80E-17 | 0.0524 | 0.0062 | 70.4084 | 1.41E-11 | 0.0422 | 0.0062 | 45.6479 |  |  |  |  |
| rs1449263 | T | C | 0.0037 | 0.0179 | 0.8345 |  |  |  |  |  |  |  |  |  |  |  |  | 8.40E-63 | 0.0980 | 0.0059 | 279.7726 |  |  |  |  |
| rs1474920 | T | G | 0.0135 | 0.0192 | 0.4821 | 6.08E-21 | 0.0592 | 0.0063 | 88.1269 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1568391 | T | G | -0.0312 | 0.0255 | 0.2221 |  |  |  |  |  |  |  |  |  |  |  |  | 3.34E-15 | -0.0690 | 0.0088 | 62.0464 |  |  |  |  |
| rs16823866 | C | T | 0.0126 | 0.0196 | 0.5197 | 4.20E-18 | -0.0557 | 0.0064 | 75.2263 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs16917546 | C | T | -0.0150 | 0.0173 | 0.3875 |  |  |  |  | 3.92E-10 | -0.0362 | 0.0058 | 39.1463 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2004925 | A | G | -0.0053 | 0.0173 | 0.7576 |  |  |  |  |  |  |  |  |  |  |  |  | 1.63E-16 | 0.0468 | 0.0057 | 67.9978 |  |  |  |  |
| rs2040571 | A | G | -0.1086 | 0.0212 | 0.0000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.92E-16 | 0.0616 | 0.0075 | 66.8710 |
| rs2078387 | A | C | -0.0165 | 0.0229 | 0.4707 |  |  |  |  | 8.88E-19 | -0.0622 | 0.0070 | 78.2893 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2210366 | A | G | -0.0286 | 0.0180 | 0.1132 |  |  |  |  | 1.55E-22 | 0.0575 | 0.0059 | 95.4006 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2239630 | G | A | -0.0158 | 0.0180 | 0.3819 |  |  |  |  |  |  |  |  |  |  |  |  | 4.44E-10 | 0.0373 | 0.0060 | 38.9113 |  |  |  |  |
| rs2392238 | A | G | 0.0095 | 0.0404 | 0.8148 |  |  |  |  |  |  |  |  | 2.51E-13 | 0.0999 | 0.0137 | 53.5631 |  |  |  |  |  |  |  |  |
| rs2844535 | G | T | 0.0088 | 0.0211 | 0.6776 |  |  |  |  | 5.35E-25 | -0.0718 | 0.0070 | 106.6323 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2994007 | A | G | 0.0287 | 0.0177 | 0.1061 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.37E-16 | -0.0473 | 0.0058 | 66.0698 |
| rs35168272 | G | C | 0.0097 | 0.0207 | 0.6405 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.04E-14 | -0.0514 | 0.0068 | 57.1646 |
| rs35389394 | T | C | 0.0054 | 0.0180 | 0.7629 |  |  |  |  |  |  |  |  |  |  |  |  | 8.21E-41 | -0.0773 | 0.0058 | 178.9172 | 1.61E-12 | -0.0408 | 0.0058 | 49.8902 |
| rs35480293 | A | C | -0.0180 | 0.0180 | 0.3192 |  |  |  |  | 3.75E-12 | 0.0396 | 0.0057 | 48.2700 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs368975 | G | A | 0.0461 | 0.0282 | 0.1023 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9.01E-12 | 0.0613 | 0.0090 | 46.5366 |
| rs3789087 | T | C | -0.0316 | 0.0227 | 0.1645 |  |  |  |  |  |  |  |  |  |  |  |  | 1.27E-10 | -0.0482 | 0.0075 | 41.3486 |  |  |  |  |
| rs3804785 | G | T | -0.0134 | 0.0201 | 0.5057 | 2.84E-20 | 0.0617 | 0.0067 | 85.0776 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4449583 | T | C | 0.0071 | 0.0209 | 0.7341 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.78E-10 | 0.0425 | 0.0067 | 40.6890 |
| rs445 | T | C | 0.0062 | 0.0186 | 0.7403 |  |  |  |  | 5.22E-17 | -0.0513 | 0.0061 | 70.2357 |  |  |  |  | 6.91E-18 | -0.0528 | 0.0061 | 74.2309 | 3.84E-46 | -0.0874 | 0.0061 | 203.3627 |
| rs4811020 | T | C | -0.0030 | 0.0271 | 0.9131 |  |  |  |  |  |  |  |  |  |  |  |  | 7.32E-10 | -0.0545 | 0.0089 | 37.9287 |  |  |  |  |
| rs4951254 | C | T | 0.0301 | 0.0180 | 0.0951 | 3.36E-15 | 0.0457 | 0.0058 | 62.0448 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4959105 | T | C | 0.0065 | 0.0176 | 0.7124 |  |  |  |  |  |  |  |  | 3.23E-16 | -0.0501 | 0.0061 | 66.6563 |  |  |  |  |  |  |  |  |
| rs4970966 | T | G | 0.0187 | 0.0224 | 0.4046 |  |  |  |  |  |  |  |  |  |  |  |  | 1.43E-10 | -0.0474 | 0.0074 | 41.1168 |  |  |  |  |
| rs549280 | A | G | 0.0179 | 0.0174 | 0.3026 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.33E-28 | -0.0631 | 0.0057 | 121.9877 |
| rs58681483 | G | A | 0.0230 | 0.0266 | 0.3879 |  |  |  |  |  |  |  |  |  |  |  |  | 1.28E-12 | -0.0621 | 0.0087 | 50.3553 |  |  |  |  |
| rs58963533 | C | T | -0.0056 | 0.0223 | 0.8007 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6.31E-10 | 0.0457 | 0.0074 | 38.2280 |
| rs62025494 | T | C | 0.0063 | 0.0213 | 0.7663 |  |  |  |  | 4.96E-10 | -0.0437 | 0.0070 | 38.6916 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs62242983 | C | T | -0.0086 | 0.0194 | 0.6577 |  |  |  |  |  |  |  |  |  |  |  |  | 7.24E-14 | -0.0536 | 0.0072 | 56.0095 |  |  |  |  |
| rs6543119 | T | A | -0.0222 | 0.0176 | 0.2075 |  |  |  |  | 6.03E-25 | 0.0599 | 0.0058 | 106.4054 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6692718 | G | A | -0.0060 | 0.0183 | 0.7416 | 1.28E-24 | -0.0614 | 0.0060 | 104.8926 | 1.31E-09 | 0.0364 | 0.0060 | 36.7965 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6782812 | A | G | -0.0414 | 0.0183 | 0.0239 | 2.10E-123 | 0.1417 | 0.0060 | 558.3051 | 6.69E-56 | 0.0945 | 0.0060 | 248.1531 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6815294 | A | G | -0.0142 | 0.0179 | 0.4266 |  |  |  |  |  |  |  |  |  |  |  |  | 9.28E-12 | 0.0405 | 0.0059 | 46.4803 |  |  |  |  |
| rs695113 | T | C | -0.0200 | 0.0182 | 0.2704 | 2.08E-13 | 0.0439 | 0.0060 | 53.9203 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7008536 | A | C | 0.0121 | 0.0174 | 0.4892 | 4.12E-16 | -0.0466 | 0.0057 | 66.1734 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs709592 | T | C | -0.0291 | 0.0175 | 0.0962 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.63E-56 | 0.0906 | 0.0057 | 249.3306 |
| rs7249415 | A | C | -0.0236 | 0.0175 | 0.1773 |  |  |  |  | 1.16E-12 | 0.0429 | 0.0060 | 50.5417 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7253959 | A | G | 0.0106 | 0.0190 | 0.5780 | 3.24E-13 | 0.0464 | 0.0064 | 53.0712 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs73057397 | C | T | 0.0046 | 0.0185 | 0.8042 |  |  |  |  |  |  |  |  |  |  |  |  | 8.67E-11 | 0.0391 | 0.0060 | 42.0926 |  |  |  |  |
| rs73243398 | A | G | -0.0131 | 0.0216 | 0.5435 |  |  |  |  |  |  |  |  | 1.48E-10 | -0.0459 | 0.0072 | 41.0529 |  |  |  |  |  |  |  |  |
| rs741804 | C | A | -0.0055 | 0.0232 | 0.8123 | 1.83E-10 | -0.0481 | 0.0075 | 40.6495 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs74360907 | T | A | -0.0124 | 0.0243 | 0.6106 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.25E-20 | 0.0791 | 0.0085 | 86.7218 |
| rs78107966 | C | T | -0.0308 | 0.0228 | 0.1768 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.73E-13 | -0.0555 | 0.0076 | 52.7835 |
| rs7874186 | A | G | -0.0012 | 0.0231 | 0.9575 |  |  |  |  |  |  |  |  |  |  |  |  | 1.74E-09 | 0.0457 | 0.0076 | 36.2473 |  |  |  |  |
| rs78857802 | T | C | -0.0059 | 0.0176 | 0.7361 |  |  |  |  | 2.63E-09 | -0.0343 | 0.0058 | 35.4397 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs80109907 | A | C | 0.0171 | 0.0314 | 0.5870 | 1.19E-43 | 0.1468 | 0.0106 | 191.7964 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs886816 | A | G | -0.0168 | 0.0226 | 0.4562 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.72E-20 | 0.0665 | 0.0073 | 83.1168 |
| rs9264396 | T | C | -0.0037 | 0.0213 | 0.8607 | 2.00E-20 | -0.0697 | 0.0075 | 85.7722 | 1.23E-14 | -0.0581 | 0.0075 | 59.4786 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9551434 | G | A | 0.0074 | 0.0222 | 0.7389 |  |  |  |  |  |  |  |  |  |  |  |  | 3.80E-15 | -0.0599 | 0.0076 | 61.7951 |  |  |  |  |
| rs9674233 | C | T | 0.0121 | 0.0173 | 0.4824 |  |  |  |  |  |  |  |  |  |  |  |  | 1.66E-20 | -0.0527 | 0.0057 | 86.1660 |  |  |  |  |
| rs9986877 | A | T | 0.0179 | 0.0202 | 0.3773 |  |  |  |  | 3.10E-18 | -0.0588 | 0.0067 | 75.8218 |  |  |  |  |  |  |  |  |  |  |  |  |