|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table S7. Details of white blood cells predicting SNPs with gastric cancer uesing multivariable Mendelian randomization in East Asian cohort. | | | | | | | | | | | | | | | | | | | | | | | | | |
| **SNP** | **Gastric 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 | 0.0256 | 0.0183 | 0.1625 |  |  |  |  |  |  |  |  |  |  |  |  | 2.37E-14 | -0.0441 | 0.0058 | 58.1882 |  |  |  |  |
| rs10276619 | A | G | 0.0242 | 0.0180 | 0.1792 |  |  |  |  |  |  |  |  |  |  |  |  | 1.23E-10 | -0.0367 | 0.0057 | 41.4249 |  |  |  |  |
| rs10404046 | C | G | -0.0481 | 0.0206 | 0.0194 |  |  |  |  |  |  |  |  | 7.48E-13 | -0.0471 | 0.0066 | 51.4161 |  |  |  |  |  |  |  |  |
| rs10980797 | G | A | 0.0003 | 0.0255 | 0.9899 |  |  |  |  |  |  |  |  |  |  |  |  | 9.03E-16 | -0.0647 | 0.0080 | 64.6302 |  |  |  |  |
| rs11018874 | A | G | -0.0089 | 0.0200 | 0.6545 | 2.27E-16 | -0.0551 | 0.0067 | 67.3486 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11190140 | C | T | 0.0110 | 0.0183 | 0.5456 |  |  |  |  |  |  |  |  |  |  |  |  | 1.25E-09 | -0.0350 | 0.0058 | 36.8848 |  |  |  |  |
| rs115007843 | C | A | 0.0100 | 0.0187 | 0.5931 |  |  |  |  |  |  |  |  |  |  |  |  | 3.48E-17 | -0.0534 | 0.0063 | 71.0541 |  |  |  |  |
| rs11857230 | T | A | 0.0282 | 0.0193 | 0.1452 | 5.51E-13 | -0.0440 | 0.0061 | 52.0147 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12052715 | G | C | 0.0260 | 0.0325 | 0.4239 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.05E-09 | -0.0614 | 0.0104 | 34.5663 |
| rs12208785 | G | A | 0.0135 | 0.0219 | 0.5390 | 4.14E-10 | 0.0432 | 0.0069 | 39.0557 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12357266 | A | G | 0.0194 | 0.0190 | 0.3068 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.24E-10 | 0.0369 | 0.0060 | 37.9458 |
| rs12461821 | A | G | -0.0028 | 0.0186 | 0.8806 |  |  |  |  |  |  |  |  |  |  |  |  | 6.56E-11 | -0.0384 | 0.0059 | 42.6539 |  |  |  |  |
| rs1260326 | C | T | 0.0011 | 0.0182 | 0.9497 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12606438 | C | A | 0.0267 | 0.0204 | 0.1908 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.39E-10 | 0.0415 | 0.0065 | 41.1875 |
| rs12898000 | C | G | -0.0299 | 0.0196 | 0.1268 |  |  |  |  |  |  |  |  |  |  |  |  | 3.74E-12 | 0.0433 | 0.0062 | 48.2420 |  |  |  |  |
| rs13022407 | C | T | -0.0059 | 0.0194 | 0.7591 |  |  |  |  | 6.20E-19 | -0.0549 | 0.0062 | 79.0059 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1322599 | T | C | 0.0086 | 0.0192 | 0.6537 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1333054 | T | C | 0.0009 | 0.0195 | 0.9645 |  |  |  |  |  |  |  |  | 4.80E-17 | 0.0524 | 0.0062 | 70.4084 | 1.41E-11 | 0.0422 | 0.0062 | 45.6479 |  |  |  |  |
| rs1449263 | T | C | 0.0081 | 0.0186 | 0.6615 |  |  |  |  |  |  |  |  |  |  |  |  | 8.40E-63 | 0.0980 | 0.0059 | 279.7726 |  |  |  |  |
| rs1474920 | T | G | 0.0234 | 0.0200 | 0.2403 | 6.08E-21 | 0.0592 | 0.0063 | 88.1269 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1568391 | T | G | -0.0491 | 0.0265 | 0.0643 |  |  |  |  |  |  |  |  |  |  |  |  | 3.34E-15 | -0.0690 | 0.0088 | 62.0464 |  |  |  |  |
| rs16823866 | C | T | 0.0221 | 0.0204 | 0.2790 | 4.20E-18 | -0.0557 | 0.0064 | 75.2263 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs16917546 | C | T | 0.0303 | 0.0180 | 0.0928 |  |  |  |  | 3.92E-10 | -0.0362 | 0.0058 | 39.1463 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2004925 | A | G | 0.0265 | 0.0180 | 0.1409 |  |  |  |  |  |  |  |  |  |  |  |  | 1.63E-16 | 0.0468 | 0.0057 | 67.9978 |  |  |  |  |
| rs2040571 | A | G | 0.0679 | 0.0218 | 0.0019 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.92E-16 | 0.0616 | 0.0075 | 66.8710 |
| rs2078387 | A | C | -0.0413 | 0.0238 | 0.0822 |  |  |  |  | 8.88E-19 | -0.0622 | 0.0070 | 78.2893 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2210366 | A | G | -0.0150 | 0.0187 | 0.4243 |  |  |  |  | 1.55E-22 | 0.0575 | 0.0059 | 95.4006 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2239630 | G | A | 0.0125 | 0.0188 | 0.5055 |  |  |  |  |  |  |  |  |  |  |  |  | 4.44E-10 | 0.0373 | 0.0060 | 38.9113 |  |  |  |  |
| rs2392238 | A | G | -0.0366 | 0.0422 | 0.3855 |  |  |  |  |  |  |  |  | 2.51E-13 | 0.0999 | 0.0137 | 53.5631 |  |  |  |  |  |  |  |  |
| rs2844535 | G | T | 0.0115 | 0.0220 | 0.6025 |  |  |  |  | 5.35E-25 | -0.0718 | 0.0070 | 106.6323 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs28507710 | C | T | 0.0120 | 0.0315 | 0.7033 |  |  |  |  |  |  |  |  |  |  |  |  | 2.49E-10 | 0.0628 | 0.0099 | 40.0461 | 2.88E-14 | 0.0755 | 0.0099 | 57.8133 |
| rs311629 | G | A | 0.0160 | 0.0229 | 0.4867 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs35168272 | G | C | 0.0158 | 0.0216 | 0.4636 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.04E-14 | -0.0514 | 0.0068 | 57.1646 |
| rs35389394 | T | C | -0.0166 | 0.0187 | 0.3751 |  |  |  |  |  |  |  |  |  |  |  |  | 8.21E-41 | -0.0773 | 0.0058 | 178.9172 | 1.61E-12 | -0.0408 | 0.0058 | 49.8902 |
| rs35480293 | A | C | 0.0140 | 0.0188 | 0.4563 |  |  |  |  | 3.75E-12 | 0.0396 | 0.0057 | 48.2700 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs35879747 | A | T | -0.0340 | 0.0318 | 0.2852 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs368975 | G | A | -0.0668 | 0.0293 | 0.0229 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9.01E-12 | 0.0613 | 0.0090 | 46.5366 |
| rs3747869 | C | A | 0.0237 | 0.0248 | 0.3389 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs3789087 | T | C | -0.0120 | 0.0237 | 0.6133 |  |  |  |  |  |  |  |  |  |  |  |  | 1.27E-10 | -0.0482 | 0.0075 | 41.3486 |  |  |  |  |
| rs3804785 | G | T | -0.0062 | 0.0209 | 0.7677 | 2.84E-20 | 0.0617 | 0.0067 | 85.0776 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4449583 | T | C | 0.0328 | 0.0217 | 0.1313 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.78E-10 | 0.0425 | 0.0067 | 40.6890 |
| rs445 | T | C | 0.0175 | 0.0193 | 0.3646 |  |  |  |  | 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 | -0.0111 | 0.0282 | 0.6928 |  |  |  |  |  |  |  |  |  |  |  |  | 7.32E-10 | -0.0545 | 0.0089 | 37.9287 |  |  |  |  |
| rs4951254 | C | T | 0.0002 | 0.0188 | 0.9897 | 3.36E-15 | 0.0457 | 0.0058 | 62.0448 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4959105 | T | C | -0.0215 | 0.0182 | 0.2382 |  |  |  |  |  |  |  |  | 3.23E-16 | -0.0501 | 0.0061 | 66.6563 |  |  |  |  |  |  |  |  |
| rs4970966 | T | G | -0.0060 | 0.0233 | 0.7986 |  |  |  |  |  |  |  |  |  |  |  |  | 1.43E-10 | -0.0474 | 0.0074 | 41.1168 |  |  |  |  |
| rs549280 | A | G | -0.0063 | 0.0181 | 0.7261 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.33E-28 | -0.0631 | 0.0057 | 121.9877 |
| rs55771023 | A | C | -0.0300 | 0.0179 | 0.0938 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9.40E-54 | 0.0877 | 0.0057 | 238.2892 |
| rs58681483 | G | A | -0.0070 | 0.0277 | 0.8005 |  |  |  |  |  |  |  |  |  |  |  |  | 1.28E-12 | -0.0621 | 0.0087 | 50.3553 |  |  |  |  |
| rs58963533 | C | T | 0.0114 | 0.0232 | 0.6244 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6.31E-10 | 0.0457 | 0.0074 | 38.2280 |
| rs62242983 | C | T | -0.0153 | 0.0202 | 0.4467 |  |  |  |  |  |  |  |  |  |  |  |  | 7.24E-14 | -0.0536 | 0.0072 | 56.0095 |  |  |  |  |
| rs6543119 | T | A | 0.0201 | 0.0183 | 0.2727 |  |  |  |  | 6.03E-25 | 0.0599 | 0.0058 | 106.4054 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6692718 | G | A | -0.0012 | 0.0190 | 0.9487 | 1.28E-24 | -0.0614 | 0.0060 | 104.8926 | 1.31E-09 | 0.0364 | 0.0060 | 36.7965 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6782812 | A | G | -0.0680 | 0.0191 | 0.0004 | 2.10E-123 | 0.1417 | 0.0060 | 558.3051 | 6.69E-56 | 0.0945 | 0.0060 | 248.1531 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6815294 | A | G | -0.0181 | 0.0186 | 0.3318 |  |  |  |  |  |  |  |  |  |  |  |  | 9.28E-12 | 0.0405 | 0.0059 | 46.4803 |  |  |  |  |
| rs695113 | T | C | 0.0211 | 0.0189 | 0.2648 | 2.08E-13 | 0.0439 | 0.0060 | 53.9203 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7008536 | A | C | 0.0268 | 0.0181 | 0.1397 | 4.12E-16 | -0.0466 | 0.0057 | 66.1734 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7249415 | A | C | 0.0161 | 0.0182 | 0.3784 |  |  |  |  | 1.16E-12 | 0.0429 | 0.0060 | 50.5417 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7253959 | A | G | -0.0264 | 0.0198 | 0.1817 | 3.24E-13 | 0.0464 | 0.0064 | 53.0712 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs73057397 | C | T | -0.0137 | 0.0192 | 0.4758 |  |  |  |  |  |  |  |  |  |  |  |  | 8.67E-11 | 0.0391 | 0.0060 | 42.0926 |  |  |  |  |
| rs73243398 | A | G | -0.0121 | 0.0225 | 0.5903 |  |  |  |  |  |  |  |  | 1.48E-10 | -0.0459 | 0.0072 | 41.0529 |  |  |  |  |  |  |  |  |
| rs741804 | C | A | 0.0494 | 0.0240 | 0.0399 | 1.83E-10 | -0.0481 | 0.0075 | 40.6495 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs74360907 | T | A | 0.0274 | 0.0252 | 0.2773 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.25E-20 | 0.0791 | 0.0085 | 86.7218 |
| rs76664709 | T | C | -0.0332 | 0.0207 | 0.1084 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs77652395 | T | G | 0.0249 | 0.0192 | 0.1961 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs78107966 | C | T | 0.0260 | 0.0237 | 0.2726 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.73E-13 | -0.0555 | 0.0076 | 52.7835 |
| rs7874186 | A | G | -0.0140 | 0.0240 | 0.5601 |  |  |  |  |  |  |  |  |  |  |  |  | 1.74E-09 | 0.0457 | 0.0076 | 36.2473 |  |  |  |  |
| rs80109907 | A | C | -0.0350 | 0.0326 | 0.2834 | 1.19E-43 | 0.1468 | 0.0106 | 191.7964 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs886816 | A | G | -0.0024 | 0.0235 | 0.9196 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.72E-20 | 0.0665 | 0.0073 | 83.1168 |
| rs9277351 | G | T | 0.0379 | 0.0183 | 0.0379 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9551434 | G | A | 0.0262 | 0.0231 | 0.2555 |  |  |  |  |  |  |  |  |  |  |  |  | 3.80E-15 | -0.0599 | 0.0076 | 61.7951 |  |  |  |  |
| rs9674233 | C | T | 0.0233 | 0.0180 | 0.1950 |  |  |  |  |  |  |  |  |  |  |  |  | 1.66E-20 | -0.0527 | 0.0057 | 86.1660 |  |  |  |  |
| rs9986877 | A | T | -0.0220 | 0.0210 | 0.2968 |  |  |  |  | 3.10E-18 | -0.0588 | 0.0067 | 75.8218 |  |  |  |  |  |  |  |  |  |  |  |  |