**Supplementary table1：**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | --- | | **author** | | **year** | **ethnicity** | **country** | **PMID** | **case age(years)** | **case**  **male/female (%)** | **control age(years)** | **control male/female (%)** | **case/control** |
| 1 | Shi D (1) | 2020 | Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 34.97 ± 11.29 | 49.6/50.4 | 35.16 ± 11.00 | 49.5/50.5 | 1399/1442 |
| 2 | Zhou XJ (2) | 2013 | Chinese | China | 23593433 | NA | NA | NA | NA | 1194/900 |
| 3 | Wang H (3) | 2015 | Chinese | China | 25193896 | Mean=41.6  (15-55) | 52.4/47.6 | Mean=44.32  (34-54) | NA | 21/37 |
| 4 | Szelestei T (4) | 2000 | Caucasians | Hungary | 10977777 | NA | 66.4/33.6 | NA | NA | 110/104 |
| 5 | Steinmetz OM (5) | 2004 | Caucasians | German | 14767014 | 38.59±14.5 | 96.6/3.4 | 38 ±12.3 | 1/0 | 207/140 |
| 6 | Lee JS (6) | 2010 | Korean pediatric patients | Korea | 21108742 | 12.77 ± 5.15 | 60/40 | 37.14 ± 13.14 | 55.8/44.2 | 190/283 |
| 7 | Park HJ (7) | 2011 | Korean pediatric patients | Korea | 20953797 | Mean=12.0  (9.5–14.3) | 59.3/40.7 | Mean=30.0  (29.0–52.0) | 54.7/45.3 | 199/289 |
| 8 | Gao J(8) | 2018 | Chinese | China | [28391282](https://www.ncbi.nlm.nih.gov/pubmed/28391282) | 32±11.9 | 65.2/34.8 | 35±12.6 | 60/40 | 351/310 |
| 9 | Zhang D (9) | 2017 | Chinese | China | 29069743 | 33.22±12.15 | 65.5/34.5 | 50.65 ±11.79 | 57.2/42.8 | 417/463 |
| 10 | Gao J (10) | 2017 | Chinese | China | 28359052 | 32±11.9 | 65.2/34.8 | 35±12.6 | 60/40 | 351/310 |
| 11 | Wu C (11) | 2017 | Chinese | China | 29100328 | NA | 37.4/62.6 | NA | NA | 586/606 |
| 12 | Kim HJ (12) | 2011 | Korean pediatric patients | Korea | 21677403 | Boys:12.55 ± 5.65  Girls: 11.04 ±5.16 | 56.4/43.6 | Men: 38.57±10.03  Women: 39.13±9.20 | 44.1/55.9 | 172/399 |
| 13 | Zhou XJ (13) | 2016 | Chinese | China | 27804980 | NA | NA | NA | NA | 1248/1187 |
| 14 | Suh JS (14) | 2011 | Korean pediatric patients | Korea | 21214373 | Boys:12.58±4.66  Girls:11.57±5.31 | 58.3/41.7 | 38.8±9.52/ 40.39±9.21 | 44/56 | 192/397 |
| 15 | Cheng W (15) | 2011 | Chinese | China | 21245129 | 34.4±11.7 | 51/49 | 31.9±8.7 | 65.4/34.6 | 527/522 |
| 16 | Zhou XJ (16) | 2021 | Chinese | China | 33462083 | 33±9 | 55/45 | 32±7 | 68/32 | 1194/902 |
|  |  |  |  |  |  | 36±10 | 51/49 | 36±8 | 43/57 | 640/4295 |
|  |  |  |  |  |  | 37±10 | 55/45 | 35±11 | 49/51 | 500/4123 |
|  |  |  |  |  |  | 36±9 | 50/50 | 36±8 | 51/49 | 1230/1922 |
| 17 | Yang B (17) | 2018 | Chinese | China | 29467950 | 33.79 ± 8.96 | 50/50 | 37.82 ± 9.89 | 62.7/37.3 | 140/490 |
| 18 | Jacob M (18) | 2018 | Caucasians | German | 29539619 | NA | NA | NA | NA | 455/252 |
| 19 | Wolf G (19) | 2002 | Caucasians | German | 12147803 | NA | 71.7/28.3 | NA | (20-55) | 127/152 |
| 20 | Wei L (20) | 2018 | Chinese | China | 29402846 | NA | NA | NA | NA | 351/310 |
| 21 | Li GS (21) | 2007 | Chinese | China | 17228361 | NA | NA | NA | NA | 670/494 |
| 22 | Hahn WH (22) | 2010 | Korean pediatric patients | Korea | 19280228 | Boys:12.54±5.51  Gilrs:11.15±5.11 | 57.1/42.9 | Men:42.52±12.41  Women:44.49±13.33 | 43.2/56.8 | 182/500 |
| 23 | Jung HY (23) | 2012 | Korean | Korea | 26889427 | 34.22±13.50 | 60.9/39.1 | 42.40±11.73 | 19.9/80.1 | 69/146 |
| 24 | Yang B (24) | 2017 | Chinese Han population | China | 27028244 | 34.4± 9.5 | 52/48 | 38.3± 10.2 | 51/49 | 166/198 |
| 25 | Mao J (25) | 2007 | Chinese children | China | 17635752 | (2.8-16.5) | 61.5/38.5 | NA | NA | 26/30 |
| 26 | Gao J (26) | 2015 | Chinese | China | 26588355 | 32 ±11.9 | 65.2/34.8 | 35±12.6 | 60/40 | 351/310 |
| 27 | Wei LT (27) | 2016 | Chinese | China | 26871801 | 32± 11.9 | 65.2/34.8 | 35±12.6 | 60/40 | 351/310 |
| 28 | Gao J (28) | 2016 | Chinese | China | 27806314 | 32± 11.9 | 65.2/34.8 | 35±12.6 | 60/40 | 351/311 |
| 29 | Gao J (29) | 2017 | Chinese | China | 28946141 | 32± 11.9 | 65.2/34.8 | 35±12.6 | 60/40 | 351/310 |
| 30 | Xia YF (30) | 2006 | Chinese | China | 16550745 | 30.1 ± 8.5 | 41/59 | NA | NA | 435/100 |
| 31 | Lim CS (31) | 2008 | Korean | Korea | 18793525 | 34.2±14.2 | 57.7/42.3 | 47.5±9.9 | 49.5/50.5 | 260/315 |
| 32 | Hahn WH (32) | 2010 | Korean pediatric patients | Korea | 20563733 | 11.75±3.90 | 55/45 | 42.68±12.61 | 44/56 | 160/454 |
| 33 | Zhong Z (33) | 2017 | Chinese | China | 28636766 | 34.70 ± 11.19 | 48.3/51.7 | 34.96 ± 10.91 | 48.7/51.3 | 962/963 |
| 34 | Feng Y (34) | 2019 | Chinese | China | 30928649 | 32.44 ± 11.80 | 65.3/34.7 | 51.16 ± 11.49 | 72.4/27.6 | 357/384 |
| 35 | Shi D (35) | 2020 | Chinese | China | 31227791 | 34.63 ± 11.24 | 48.7/51.3 | 34.84 ± 10.94 | 48.8/51.2 | 1000/1000 |
| 36 | Lu C (36) | 2015 | Chinses Uyghur | China | 26136946 | 38.81±11.06 | 47.8/52.2 | 37.53±11.68 | 46.7/53.3 | 180/180 |
| 37 | Fu D (37) | 2020 | Chinese | China | 32747022 | 34.64 ± 11.19 | 48.43/51.57 | 34.94 ± 10.90 | 48.43/51.57 | 960/956 |
| 38 | Liu XQ (38) | 2008 | Caucasians | Canada | 18256354 | 45 (43.2–46.8) | 65/35 | 45 (42.4–47.6) | 66.7/33.3 | 206/111 |
|  |  |  |  |  |  | 48 (46.3–49.7) | 66.7/33.3 | 47 (44.9–49.2) | 69.5/30.5 | 255/187 |
|  |  |  |  |  |  | 41 (39.3–42.7) | 73.1/26.9 | 43 (41.7–44.3) | 69.8/30.2 | 271/205 |
| 39 | Sato F (39) | 2004 | Japanese | Japan | 15191521 | NA | NA | NA | 49.2/50.8 | 329/297 |
| 40 | Carturan S (40) | 2004 | Caucasians | Italy | 15593052 | 48.1 ± 13.79 | 72.3/27.3 | NA | 69.5/30.5 | 101/118 |
| 41 | Lim CS (41) | 2005 | Korean | Korea | 15730046 | 34.6 ± 1.5 | 64.8/35.2 | 53.7 ± 1.2 | 65.5/34.5 | 108/54 |
| 42 | Vuong MT (42) | 2009 | Sweden | Sweden | 19258388 | 38.5 ± 14.4 | 68.9/31.1 | 44.8 ± 13.0 | 67.3/32.7 | 212/477 |
| 43 | Brezzi B (43) | 2009 | Italian | Italy | 19967654 | 33.4 ± 11.2 | 71.4/28.6 | NA | NA | 105/200 |
| 44 | Suh JS (44) | 2011 | Korean pediatric patients | Korea | 22977507 | 38.2±13.8 | NA | 12.4±4.5 | NA | 187/262 |
| 45 | Suh JS (45) | 2013 | Korean pediatric patients | Korea | 23659670 | 12.55±5.14 | 58.8/41.2 | 37.51±13.55 | 54.4/45.6 | 194/287 |

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**Supplementary Table 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Study  number | Author | Year | Ethnicity | Country | PMID | Number | Selection criteria | Number | Selection criteria | SNP | PHWE | Allele model OR | 0.95\_LCI | 0.95\_UCI | P |
| 21 | Li GS | 2007 | Han Chinese | China | [17228361](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 670 | IgAN | 494 | healthy individuals | C1GALT1 rs5882115 | 0.634 | 0.679 | 0.522 | 0.884 | 0.004 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1399 | IgAN | 1442 | healthy individuals | CFB rs549182 | 0.140 | 1.330 | 1.101 | 1.605 | 0.003 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1975 | IgAN | 2004 | healthy individuals | CFB rs4151657 | 0.460 | 1.154 | 1.050 | 1.268 | 0.003 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1983 | IgAN | 2004 | healthy individuals | CFB rs549182 | 0.740 | 1.190 | 1.016 | 1.395 | 0.031 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1399 | IgAN | 1442 | healthy individuals | CFB rs4151657 | 0.340 | 1.131 | 1.012 | 1.265 | 0.031 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 580 | IgAN | 562 | healthy individuals | CFB rs4151657 | 0.900 | 1.212 | 1.016 | 1.446 | 0.033 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 172 | IgAN | 399 | healthy individuals | CTLA4 rs231777 | 0.282 | 1.973 | 1.045 | 3.725 | 0.036 |
| 18 | Jacob M | 2018 | Caucasians | Germany | [29539619](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 455 | IgAN | 252 | healthy individuals | CTLA4 rs5742909 | 0.153 | 1.573 | 1.016 | 2.436 | 0.042 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 172 | IgAN | 399 | healthy individuals | CTLA4 rs231779 | 0.683 | 1.588 | 0.999 | 2.524 | 0.05 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 192 | IgAN | 397 | healthy individuals | CXCL8 rs4073 | 0.911 | 0.741 | 0.561 | 0.978 | 0.034 |
| 29 | Gao J | 2017 | Han Chinese | China | [28946141](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 351 | IgAN | 310 | healthy individuals | Enos rs1799983 | 0.857 | 0.671 | 0.469 | 0.959 | 0.029 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLA rs1954174 | 0.434 | 1.158 | 1.022 | 1.312 | 0.021 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLA rs2333749 | 0.510 | 0.854 | 0.740 | 0.986 | 0.031 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLA rs1954173 | 0.413 | 0.841 | 0.715 | 0.988 | 0.036 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLB rs4657093 | 0.960 | 0.768 | 0.649 | 0.909 | 0.002 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLB rs1417582 | 0.804 | 0.815 | 0.693 | 0.957 | 0.013 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLB rs1891020 | 0.834 | 0.817 | 0.695 | 0.960 | 0.014 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLB rs12079477 | 0.869 | 0.866 | 0.766 | 0.978 | 0.021 |
| 34 | Feng Y | 2019 | Han Chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 357 | IgAN | 384 | healthy individuals | GNG2 rs3204008 | 0.824 | 1.332 | 1.042 | 1.702 | 0.022 |
| 17 | Yang B | 2018 | Han Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 140 | IgAN | 490 | healthy individuals | HLA-DP rs9277535 | 0.990 | 1.958 | 1.497 | 2.560 | 0 |
| 17 | Yang B | 2018 | Han Chinese | China | 29467950 | 140 | IgAN | 490 | healthy individuals | HLA-DP rs3077 | 0.930 | 1.601 | 1.221 | 2.099 | 0.001 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 172 | IgAN | 399 | healthy individuals | ICOS rs4270326 | 0.756 | 2.082 | 1.079 | 4.018 | 0.029 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 172 | IgAN | 399 | healthy individuals | ICOS rs4404254 | 0.338 | 1.919 | 1.029 | 3.579 | 0.04 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 172 | IgAN | 399 | healthy individuals | ICOS rs10183087 | 0.400 | 1.891 | 1.026 | 3.485 | 0.041 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 172 | IgAN | 399 | healthy individuals | ICOS rs11571314 | 0.400 | 1.891 | 1.026 | 3.485 | 0.041 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 172 | IgAN | 399 | healthy individuals | ICOS rs1559931 | 0.400 | 1.891 | 1.026 | 3.485 | 0.041 |
| 8 | [Gao J](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Gao+J&cauthor_id=28391282) | 2018 | Han Chinese | China | [28391282](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 351 | IgAN | 310 | healthy individuals | IFN-γ rs430561 | 0.250 | 0.589 | 0.353 | 0.982 | 0.042 |
| 10 | Gao J | 2017 | Han Chinese | China | [28359052](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 351 | IgAN | 310 | healthy individuals | IL-10 rs1800872 | 0.123 | 1.293 | 1.028 | 1.626 | 0.028 |
| 10 | Gao J | 2017 | Han Chinese | China | [28359052](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 351 | IgAN | 310 | healthy individuals | IL-10 rs1800871 | 0.139 | 1.292 | 1.028 | 1.624 | 0.028 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL1RN rs439154 | 0.422 | 0.712 | 0.549 | 0.925 | 0.011 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL1RN rs928940 | 0.200 | 0.752 | 0.587 | 0.964 | 0.024 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL1RN rs315951 | 0.259 | 0.753 | 0.585 | 0.968 | 0.027 |
| 23 | Jung HY | 2012 | Korean | Korea | [26889427](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 69 | IgAN | 146 | healthy individuals | IL-1β rs1946518 | 0.705 | 2.055 | 1.353 | 3.120 | 0.001 |
| 9 | Zhang D | 2017 | Han Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 417 | IgAN | 463 | healthy individuals | IL-1β rs16944 | 0.162 | 1.385 | 1.115 | 1.720 | 0.003 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL-1β rs1143627 | 0.448 | 0.730 | 0.572 | 0.931 | 0.011 |
| 9 | Zhang D | 2017 | Han Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 417 | IgAN | 463 | healthy individuals | IL-1β rs1143627 | 0.160 | 1.285 | 1.035 | 1.595 | 0.023 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL-1β rs3917356 | 0.170 | 1.322 | 1.037 | 1.687 | 0.025 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL-1β rs1143633 | 0.712 | 0.763 | 0.593 | 0.983 | 0.036 |
| 24 | Yang B | 2017 | Han Chinese | China | [27028244](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 166 | IgAN | 198 | healthy individuals | IL-1β rs1946518 | 0.390 | 1.349 | 1.007 | 1.807 | 0.045 |
| 9 | Zhang D | 2017 | Han Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 417 | IgAN | 463 | healthy individuals | IL-6 rs1800796 | 0.309 | 1.484 | 1.168 | 1.885 | 0.001 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | intergenic rs10917750 | 0.808 | 0.795 | 0.676 | 0.934 | 0.005 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | intergenic rs4657039 | 0.160 | 0.838 | 0.729 | 0.963 | 0.013 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | intergenic rs7549830 | 0.054 | 1.158 | 1.025 | 1.309 | 0.019 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | intergenic rs1503813 | 0.320 | 0.840 | 0.720 | 0.979 | 0.026 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | intergenic rs10494356 | 0.691 | 1.151 | 1.016 | 1.303 | 0.027 |
| 35 | Shi D | 2020 | Han Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1000 | IgAN | 1000 | healthy individuals | ITGAX rs11150614 | 0.984 | 0.843 | 0.736 | 0.966 | 0.014 |
| 35 | Shi D | 2020 | Han Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1000 | IgAN | 1000 | healthy individuals | ITGAX rs7190997 | 0.989 | 0.857 | 0.749 | 0.981 | 0.025 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1399 | IgAN(stage1) | 1442 | healthy individuals | LEMD2 rs751728 | 0.570 | 0.868 | 0.764 | 0.986 | 0.03 |
| 34 | Feng Y | 2019 | Han Chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 357 | IgAN | 384 | healthy individuals | NTN4 rs1362970 | 0.250 | 1.535 | 1.156 | 2.036 | 0.003 |
| 34 | Feng Y | 2019 | Han Chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 357 | IgAN | 384 | healthy individuals | PHLDB1 rs7389 | 0.603 | 1.284 | 1.013 | 1.627 | 0.039 |
| 17 | Yang B | 2018 | Han Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 140 | IgAN | 490 | healthy individuals | STAT4 rs7574865 | 0.820 | 1.491 | 1.137 | 1.956 | 0.004 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 144 | IgAN(male) | 314 | healthy individuals | TGF‐β1 rs1800469 | 0.660 | 0.666 | 0.494 | 0.898 | 0.008 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 212 | IgAN(male) | 477 | healthy individuals | TGF‐β1 rs6957 | 0.102 | 0.644 | 0.449 | 0.924 | 0.017 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 144 | IgAN(male) | 314 | healthy individuals | TGF‐β1 rs2241715 | 0.645 | 1.425 | 1.056 | 1.924 | 0.021 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 143 | IgAN(male) | 319 | healthy individuals | TGF‐β1 rs1982073 | 0.534 | 1.558 | 1.173 | 2.071 | 0.032 |
| 39 | Sato F | 2004 | Japanese | Japan | [15191521](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 329 | IgAN | 297 | healthy individuals | TGF‐β1 rs1982073 | 0.652 | 1.041 | 0.834 | 1.300 | 0.032 |
| 23 | Jung HY | 2012 | Korean | Korea | [26889427](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 69 | IgAN | 146 | healthy individuals | TGF‐β1 rs1982073 | 0.099 | 1.355 | 0.901 | 2.036 | 0.047 |
| 6 | Lee JS | 2010 | Korean pediatric patients | Korea | [21108742](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 190 | IgAN | 283 | healthy individuals | TLR1 rs5743557 | 0.956 | 1.314 | 1.012 | 1.705 | 0.04 |
| 28 | Gao J | 2016 | Han Chinese | China | [27806314](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 351 | IgAN | 310 | healthy individuals | TLR1 rs4833095 | 0.944 | 1.265 | 1.011 | 1.582 | 0.04 |
| 7 | Park HJ | 2011 | Korean pediatric patients | Korea | [20953797](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 199 | IgAN | 289 | healthy individuals | TLR10 rs10004195 | 0.323 | 1.393 | 1.078 | 1.800 | 0.011 |
| 33 | Zhong Z | 2017 | Han Chinese | China | [28636766](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 962 | IgAN | 963 | healthy individuals | TNFSF13 rs3803800 | 0.213 | 0.805 | 0.707 | 0.915 | 0.001 |
| 34 | Feng Y | 2019 | Han Chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 357 | IgAN | 384 | healthy individuals | TNS3 rs3750163 | 1.000 | 6.768 | 2.841 | 16.123 | 0 |
| 23 | Jung HY | 2012 | Korean | Korea | [26889427](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 69 | IgAN | 146 | healthy individuals | VEGF 405 | 0.823 | 1.784 | 1.182 | 2.694 | 0.006 |

**Supplementary Table 3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Study number | Author | Year | Ethnicity | Country | PMID | Number | Selection criteria | Number | Selection criteria | SNP | PHWE | Dominant OR | 0.95\_LCI | 0.95\_UCI | P |
| 21 | G-S Li | 2007 | Han Chinese | China | [17228361](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 670 | IgAN | 494 | healthy individuals | C1GALT1 rs5882115 | 0.634 | 0.68000 | 0.51 | 0.9043255 | 0.008 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 580 | IgAN | 562 | healthy individuals | CFB rs4151657 | 0.900 | 1.34790 | 1.07 | 1.702535 | 0.012 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1983 | IgAN | 2004 | healthy individuals | CFB rs549182 | 0.740 | 1.18795 | 1.00 | 1.406844 | 0.046 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1975 | IgAN | 2004 | healthy individuals | CFB rs4151657 | 0.460 | 1.27427 | 1.12 | 1.443817 | 0 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1399 | IgAN | 1442 | healthy individuals | CFB rs4151657 | 0.340 | 1.24527 | 1.07 | 1.443715 | 0.004 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1399 | IgAN | 1442 | healthy individuals | CFB rs549182 | 0.140 | 1.30343 | 1.07 | 1.592712 | 0.01 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 172 | IgAN | 399 | healthy individuals | CTLA4 rs231779 | 0.683 | 1.97284 | 1.06 | 3.668248 | 0.032 |
| 18 | Jacob M | 2018 | Caucasians | Germany | [29539619](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 455 | IgAN | 252 | healthy individuals | CTLA4 rs5742909 | 0.153 | 1.65739 | 1.03 | 2.654463 | 0.036 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 192 | IgAN | 397 | healthy individuals | CXCL8 rs2227543 | 0.790 | 1.64122 | 1.12 | 2.400149 | 0.011 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 192 | IgAN | 397 | healthy individuals | CXCL8 rs2227306 | 0.395 | 1.57689 | 1.08 | 2.303144 | 0.018 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLA rs2333749 | 0.510 | 0.82870 | 0.70 | 0.9878526 | 0.036 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLA rs1954173 | 0.413 | 0.81090 | 0.67 | 0.9765775 | 0.027 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLB rs4657093 | 0.960 | 0.75043 | 0.62 | 0.908325 | 0.003 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLB rs1891020 | 0.834 | 0.79251 | 0.66 | 0.9543369 | 0.014 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 1,194 | IgAN | 900 | healthy individuals | FCRLB rs1417582 | 0.804 | 0.78954 | 0.66 | 0.9509608 | 0.013 |
| 17 | Yang B | 2018 | Han Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 140 | IgAN | 490 | healthy individuals | HLA-DP rs9277535 | 0.990 | 2.05354 | 1.34 | 3.158399 | 0.001 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 172 | IgAN | 399 | healthy individuals | ICOS rs4270326 | 0.756 | 2.23918 | 1.08 | 4.632189 | 0.03 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 172 | IgAN | 399 | healthy individuals | ICOS rs10183087 | 0.400 | 2.17830 | 1.09 | 4.347564 | 0.027 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 172 | IgAN | 399 | healthy individuals | ICOS rs11571314 | 0.400 | 2.17830 | 1.09 | 4.347564 | 0.027 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | 172 | IgAN | 399 | healthy individuals | ICOS rs1559931 | 0.400 | 2.17830 | 1.09 | 4.347564 | 0.027 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | 21677403 | 172 | IgAN | 399 | healthy individuals | ICOS rs4404254 | 0.338 | 2.21088 | 1.09 | 4.467172 | 0.027 |
| 8 | [Gao J](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Gao+J&cauthor_id=28391282) | 2018 | Han Chinese | China | [28391282](https://www.ncbi.nlm.nih.gov/pubmed/28391282) | 351 | IgAN | 310 | healthy individuals | IFN-γ rs430561 | 0.250 | 0.57263 | 0.34 | 0.9672329 | 0.037 |
| 10 | Jie Gao | 2017 | Han Chinese | China | [28359052](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 351 | IgAN | 310 | healthy individuals | IL-10 rs1800871 | 0.139 | 1.48487 | 1.09 | 2.022402 | 0.012 |
| 10 | Jie Gao | 2017 | Han Chinese | China | [28359052](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 351 | IgAN | 310 | healthy individuals | IL-10 rs1800872 | 0.123 | 1.48731 | 1.09 | 2.026514 | 0.012 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL1RN rs439154 | 0.422 | 0.62568 | 0.44 | 0.8848362 | 0.008 |
| 9 | Zhang D | 2017 | Han Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 417 | IgAN | 463 | healthy individuals | IL-1β rs16944 | 0.162 | 0.64107 | 0.44 | 0.9283985 | 0.019 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL-1β rs1143633 | 0.712 | 1.44564 | 1.04 | 2.000897 | 0.026 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 182 | IgAN | 500 | healthy individuals | IL-1β rs1143627 | 0.448 | 0.66882 | 0.47 | 0.9427977 | 0.022 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 271 | IgAN(St. Etienne) | 205 | healthy individuals | IL4R rs1805015 | 0.050 | 0.43366 | 0.28 | 0.6642273 | 0 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 271 | IgAN(St. Etienne) | 205 | healthy individuals | IL5RA rs340833 | 0.918 | 1.78266 | 1.18 | 2.69622 | 0.006 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256354](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 255 | IgAN(Toronto) | 187 | healthy individuals | IL5RA rs340833 | 0.084 | 0.62327 | 0.40 | 0.983457 | 0.042 |
| 9 | Zhang D | 2017 | Han Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 417 | IgAN | 463 | healthy individuals | IL-6 rs1800796 | 0.309 | 1.49274 | 1.10 | 2.026464 | 0.01 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | intergenic rs10917750 | 0.808 | 0.76460 | 0.63 | 0.9211601 | 0.005 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | intergenic rs1503813 | 0.320 | 0.81119 | 0.68 | 0.9715359 | 0.023 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | intergenic rs4657039 | 0.160 | 0.77764 | 0.65 | 0.925347 | 0.005 |
| 35 | Shi D | 2020 | Han Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1000 | IgAN | 1000 | healthy individuals | ITGAM rs4597342 | 0.520 | 0.81126 | 0.68 | 0.9679836 | 0.02 |
| 35 | Shi D | 2020 | Han Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1000 | IgAN | 1000 | healthy individuals | ITGAX rs7190997 | 0.989 | 0.82213 | 0.69 | 0.9807116 | 0.03 |
| 35 | Shi D | 2020 | Han Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1000 | IgAN | 1000 | healthy individuals | ITGAX rs11150614 | 0.984 | 0.80465 | 0.67 | 0.9603661 | 0.016 |
| 35 | Shi D | 2020 | Han Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1000 | IgAN | 1000 | healthy individuals | ITGAX rs1140195 | 0.623 | 0.82623 | 0.69 | 0.9870476 | 0.035 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | NA rs6696854 | 0.840 | 0.83275 | 0.70 | 0.9903014 | 0.038 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | NA rs10800309 | 0.548 | 0.83572 | 0.70 | 0.9939791 | 0.043 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | NA rs12749327 | 0.517 | 1.39554 | 1.02 | 1.914907 | 0.039 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 1,194 | IgAN | 900 | healthy individuals | NA rs905589 | 0.264 | 0.82830 | 0.69 | 0.9914477 | 0.04 |
| 34 | Feng Y | 2019 | Han Chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 357 | IgAN | 384 | healthy individuals | NTN4 rs1362970 | 0.250 | 1.52835 | 1.08 | 2.156891 | 0.016 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 960 | IgAN | 956 | healthy individuals | ST6GAL1 rs12054151 | 0.767 | 1.44441 | 1.11 | 1.875033 | 0.006 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 960 | IgAN | 956 | healthy individuals | ST6GAL1 rs2239611 | 0.689 | 1.55012 | 1.24 | 1.944657 | 0 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 960 | IgAN | 956 | healthy individuals | ST6GAL1 rs1990677 | 0.499 | 1.52527 | 1.04 | 2.235852 | 0.031 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 960 | IgAN | 956 | healthy individuals | ST6GAL1 rs4686838 | 0.379 | 0.36516 | 0.30 | 0.4431336 | 0 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 960 | IgAN | 956 | healthy individuals | ST6GAL1 rs2284750 | 0.377 | 0.54145 | 0.45 | 0.657507 | 0 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 960 | IgAN | 956 | healthy individuals | ST6GAL1 rs6784233 | 0.157 | 1.38865 | 1.09 | 1.763951 | 0.007 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 960 | IgAN | 956 | healthy individuals | ST6GAL1 rs7634389 | 0.083 | 1.26157 | 1.02 | 1.555686 | 0.03 |
| 36 | Lu C | 2015 | Uyghur Chinese | China | [26136946](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 180 | IgAN | 180 | healthy individuals | ST6GALNAC2 rs3840858 | 0.7015 | 3.67568 | 1.75 | 7.73074 | 0.001 |
| 39 | Sato F | 2004 | Japanese | Japan | [15191521](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 329 | IgAN | 297 | healthy individuals | TGF‐β1 rs1982073 | 0.652 | 1.04169 | 0.73 | 1.485997 | 0.036 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 144 | IgAN(male) | 314 | healthy individuals | TGF‐β1 rs2241715 | 0.645 | 1.73093 | 1.16 | 2.578755 | 0.007 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 143 | IgAN(male) | 319 | healthy individuals | TGF‐β1 rs1982073 | 0.534 | 1.88571 | 1.23 | 2.893031 | 0.036 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 145 | IgAN(male) | 315 | healthy individuals | TGF‐β1 rs180047 | 0.146 | 0.04851 | 0.00 | 0.9071811 | 0.043 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 212 | IgAN(male) | 477 | healthy individuals | TGF‐β1 rs6957 | 0.102 | 0.14469 | 0.04 | 0.542827 | 0.004 |
| 6 | Lee JS | 2010 | Korean pediatric patients | Korea | [21108742](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 190 | IgAN | 283 | healthy individuals | TLR1 rs5743557 | 0.956 | 1.52226 | 1.00 | 2.317318 | 0.05 |
| 6 | Lee JS | 2010 | Korean pediatric patients | Korea | [21108742](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 190 | IgAN | 283 | healthy individuals | TLR1 rs4833095 | 0.083 | 1.96849 | 1.16 | 3.343953 | 0.012 |
| 7 | Park HJ | 2011 | Korean pediatric patients | Korea | [20953797](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 199 | IgAN | 289 | healthy individuals | TLR10 rs10004195 | 0.323 | 1.98017 | 1.28 | 3.060338 | 0.002 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 271 | IgAN(St. Etienne) | 205 | healthy individuals | TNFRSF6B rs1291205 | 0.965 | 0.44846 | 0.31 | 0.6547217 | 0 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 271 | IgAN(St. Etienne) | 205 | healthy individuals | TNFRSF6B rs1291206 | 0.958 | 0.45731 | 0.31 | 0.6676927 | 0 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 271 | IgAN(St. Etienne) | 205 | healthy individuals | TNFRSF6B rs3208008 | 0.881 | 0.46880 | 0.32 | 0.6846247 | 0 |
| 33 | Zhong Z | 2017 | Han Chinese | China | [28636766](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 962 | IgAN | 963 | healthy individuals | TNFSF13 rs3803800 | 0.213 | 0.65110 | 0.51 | 0.8314157 | 0.001 |
| 34 | Feng Y | 2019 | Han Chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | 357 | IgAN | 384 | healthy individuals | TNS3 rs3750163 | 1.000 | 9.83621 | 3.45 | 28.01009 | 0 |

**Supplementary table 4**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Study number | |  | | --- | | author | | year | ethnicity | country | PMID | SNP | PHWE | Overdominant(OR) | 0.95\_LCI | 0.95\_UCI | P |
| 21 | Li GS | 2007 | Han Chinese | China | [17228361](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | C1GALT1 rs5882115 | 0.634 | 1.387428 | 1.039074 | 1.852571 | 0.026 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs4151657 | 0.460 | 0.7895995 | 0.6966085 | 0.895004 | 0 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs4151657 | 0.340 | 0.7982231 | 0.6880699 | 0.9260107 | 0.003 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs4151657 | 0.900 | 0.7702989 | 0.6098155 | 0.9730163 | 0.029 |
| 1 | Shi D | 2020 | Han Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs549182 | 0.140 | 0.807918 | 0.659098 | 0.9903407 | 0.04 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CXCL8 rs2227543 | 0.790 | 0.5917547 | 0.4061796 | 0.862115 | 0.006 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CXCL8 rs2227306 | 0.395 | 0.6024845 | 0.4115853 | 0.8819255 | 0.009 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CXCL8 rs4073 | 0.911 | 0.6470588 | 0.4445677 | 0.9417804 | 0.023 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLA rs1954173 | 0.413 | 1.222685 | 1.010304 | 1.479712 | 0.039 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB rs4657093 | 0.960 | 1.281395 | 1.053119 | 1.559153 | 0.013 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB rs1417582 | 0.804 | 1.236373 | 1.021057 | 1.497095 | 0.03 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB rs1891020 | 0.834 | 1.232054 | 1.017676 | 1.491591 | 0.032 |
| 17 | Yang B | 2018 | Han Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | HLA-DP rs3077 | 0.930 | 4.617284 | 2.809256 | 7.588952 | 0 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | ICOS rs10183087 | 0.400 | 0.4515625 | 0.2211878 | 0.9218802 | 0.029 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | ICOS rs11571314 | 0.400 | 0.4515625 | 0.2211878 | 0.9218802 | 0.029 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | ICOS rs1559931 | 0.400 | 0.4515625 | 0.2211878 | 0.9218802 | 0.029 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | ICOS rs4404254 | 0.338 | 0.4434783 | 0.2140752 | 0.9187097 | 0.029 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | ICOS rs4270326 | 0.756 | 0.4703833 | 0.2230102 | 0.9921539 | 0.048 |
| 8 | [Gao J](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Gao+J&cauthor_id=28391282) | 2018 | Han Chinese | China | [28391282](https://www.ncbi.nlm.nih.gov/pubmed/28391282) | IFN-γ rs430561 | 0.250 | 1.746324 | 1.033877 | 2.949718 | 0.037 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IGAN1 rs1342646 | 0.059 | 1.557687 | 1.080724 | 2.245152 | 0.017 |
| 10 | Gao J | 2017 | Han Chinese | China | 28359052 | IL-10 rs1800872 | 0.123 | 0.7216312 | 0.5291697 | 0.9840918 | 0.039 |
| 10 | Gao J | 2017 | Han Chinese | China | [28359052](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL-10 rs1800871 | 0.139 | 0.723212 | 0.5306717 | 0.9856104 | 0.04 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL-1β rs1143633 | 0.712 | 1.502286 | 1.060556 | 2.127999 | 0.022 |
| 24 | Yang B | 2017 | Han Chinese | China | [27028244](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL-1β rs1946518 | 0.390 | 1.533333 | 1.00525 | 2.338833 | 0.047 |
| 45 | Suh JS | 2013 | Korean pediatric patients | Korea | [23659670](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL22R1 rs3795299 | 0.208 | 0.6611372 | 0.4572847 | 0.9558648 | 0.028 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL4R rs1805015 | 0.050 | 2.44964 | 1.58403 | 3.788273 | 0 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | intergenic rs1503813 | 0.320 | 1.206449 | 1.002794 | 1.451463 | 0.047 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | intergenic rs4657039 | 0.160 | 1.268076 | 1.062073 | 1.514036 | 0.009 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | intergenic rs10917750 | 0.808 | 1.280086 | 1.056732 | 1.55065 | 0.012 |
| 35 | Shi D | 2020 | Han Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ITGAM rs4597342 | 0.520 | 1.215618 | 1.016807 | 1.4533 | 0.032 |
| 35 | Shi D | 2020 | Han Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ITGAX rs11150619 | 0.152 | 1.348561 | 1.12236 | 1.620352 | 0.001 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NA rs12749327 | 0.517 | 0.6994809 | 0.5080507 | 0.9630406 | 0.028 |
| 2 | Zhou XJ | 2013 | Han Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NA rs10800309 | 0.548 | 1.193672 | 1.000124 | 1.424677 | 0.05 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GAL1 rs4686838 | 0.379 | 1.841069 | 1.490156 | 2.274617 | 0 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GAL1 rs2284750 | 0.377 | 1.582382 | 1.274685 | 1.964356 | 0 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GAL1 rs2239611 | 0.689 | 0.6653703 | 0.5211227 | 0.8495458 | 0.001 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GAL1 rs12054151 | 0.767 | 0.7115116 | 0.538914 | 0.9393867 | 0.016 |
| 37 | Fu D | 2020 | Han Chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GAL1 rs1990677 | 0.499 | 0.6568396 | 0.4438072 | 0.9721301 | 0.036 |
| 36 | Lu C | 2015 | Uyghur Chinese | China | [26136946](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GALNAC2 rs3840858 | 0.7015 | 0.2720588 | 0.1293537 | 0.5721985 | 0.001 |
| 36 | Lu C | 2015 | Uyghur Chinese | China | [26136946](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GALNAC2 rs23840858 | 0.083 | 0.6428571 | 0.4154673 | 0.9947 | 0.047 |
| 17 | Yang B | 2018 | Han Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | STAT4 rs7574865 | 0.820 | 2.377486 | 1.553347 | 3.638879 | 0 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TGF‐β1 rs2241715 | 0.645 | 0.6069547 | 0.4080355 | 0.9028478 | 0.014 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFRSF6B rs1291205 | 0.965 | 1.777923 | 1.209218 | 2.614096 | 0.003 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFRSF6B rs1291206 | 0.958 | 1.742222 | 1.184463 | 2.562628 | 0.005 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFRSF6B rs3208008 | 0.881 | 1.698387 | 1.154023 | 2.499533 | 0.007 |
| 34 | Feng Y | 2019 | Han Chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNS3 rs3750163 | 1.000 | 0.0558308 | 0.0132647 | 0.2349903 | 0 |

**Supplementary table5:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| number | author | year | ethnicity | country | PMID | gene | SNP | PHWE | Homozygote(OR) | 0.95\_LCI | 0.95\_UCI | P |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | ATF6 | ATF6 rs905594 | 0.140 | 4.034438 | 1.335102 | 12.19134 | 0.013 |
| 44 | Suh JS | 2011 | pediatric patients | Korea | [22977507](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | BMP2 | BMP2 rs235768 | 0.570 | 0.666309 | 0.461289 | 0.96245 | 0.03 |
| 44 | Suh JS | 2011 | pediatric patients | Korea | [22977507](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | BMP2 | BMP2 rs1049007 | 0.000 | 0.085273 | 0.052018 | 0.139787 | 0 |
| 21 | Li GS | 2007 | Chinese | China | [17228361](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | C1GALT1 | C1GALT1 rs5882115 | 0.030 | 0.704507 | 0.547382 | 0.906735 | 0.007 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CCR6 | CCR6 rs3093023 | 0.434 | 1.38404 | 1.064795 | 1.799 | 0.015 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CCR6 | CCR6 rs3093023 | 0.054 | 1.366695 | 1.062454 | 1.758059 | 0.015 |
| 1 | Shi D | 2020 | Chinese | china | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB | CFB rs549182 | 0.869 | 0.750804 | 0.588042 | 0.958615 | 0.022 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FBXL21 | FBXL21 rs40986 | 0.691 | 1.339154 | 1.032906 | 1.736203 | 0.028 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FBXL21 | FBXL21 rs40986 | 0.148 | 1.304299 | 1.01389 | 1.67789 | 0.039 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLA | FCRLA rs1954174 | 0.185 | 1.302331 | 1.012772 | 1.674679 | 0.04 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB | FCRLB rs1891019 | 0.868 | 1.333294 | 1.011311 | 1.75779 | 0.041 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB | FCRLB rs12079477 | 0.956 | 1.728512 | 1.016313 | 2.9398 | 0.043 |
| 17 | Yang B | 2018 | Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | HLA-DP | HLA-DP rs3077 | 0.323 | 1.976351 | 1.163836 | 3.356113 | 0.012 |
| 17 | Yang B | 2018 | Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | HLA-DP | HLA-DP rs9277535 | 0.309 | 1.848155 | 1.164448 | 2.933301 | 0.009 |
| 9 | Zhang D | 2017 | Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1β | IL-1β rs16944 | 0.162 | 1.63015 | 1.118994 | 2.374803 | 0.011 |
| 9 | Zhang D | 2017 | Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1β | IL-1β rs1143627 | 0.160 | 1.45714 | 1.000903 | 2.121342 | 0.049 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1β | IL-1β rs1143627 | 0.000 | 1.479574 | 1.179222 | 1.856428 | 0.001 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1β | IL-1β rs3917356 | 0.000 | 1.533347 | 1.176941 | 1.997681 | 0.002 |
| 23 | Jung HY | 2012 | Korean | Korea | [26889427](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1β | IL-1β rs1946518 | 0.000 | 0.79079 | 0.625237 | 1.00018 | 0.05 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL1RN | IL1RN rs928940 | 0.000 | 1.639854 | 1.289854 | 2.084827 | 0 |
| 45 | Suh JS | 2013 | pediatric patients | Korea | 23659670 | IL22R1 | IL22R1 rs3795299 | 0.000 | 1.27992 | 1.121502 | 1.460714 | 0 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL1RN | IL1RN rs439154 | 0.000 | 1.187571 | 1.03107 | 1.367827 | 0.017 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL1RN | IL1RN rs315951 | 0.000 | 0.578987 | 0.353342 | 0.948731 | 0.03 |
| 9 | Zhang D | 2017 | Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL-6 | IL-6 rs1800796 | 0.000 | 0.780819 | 0.615499 | 0.990542 | 0.042 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | intergenic | intergenic rs7549830 | 0.000 | 1.289657 | 1.006775 | 1.652024 | 0.044 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | intergenic | intergenic rs10494356 | 0.930 | 3.220588 | 2.004834 | 5.173588 | 0 |
| 1 | Shi D | 2020 | Chinese | china | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | LEMD2 | LEMD2 rs751728 | 0.820 | 2.588944 | 1.596014 | 4.199605 | 0 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NA | NA rs6657266 | 0.990 | 3.701299 | 2.186932 | 6.264307 | 0 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NA | NA rs12745240 | 0.634 | 0.194286 | 0.04014 | 0.940374 | 0.042 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NA | NA rs1063178 | 0.259 | 0.457815 | 0.254568 | 0.823334 | 0.009 |
| 34 | Feng Y | 2019 | chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NTN4 | NTN4 rs1362970 | 0.448 | 0.554397 | 0.343279 | 0.895352 | 0.016 |
| 13 | Zhou XJ | 2016 | Chinese | China | [27804980](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | PCNXL3 | PCNXL3 rs2009453 | 0.200 | 0.559048 | 0.336219 | 0.929558 | 0.025 |
| 13 | Zhou XJ | 2016 | Chinese | China | [27804980](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | RASGRP1 | RASGRP1 rs7170151 | 0.170 | 1.675084 | 1.055394 | 2.658636 | 0.029 |
| 13 | Zhou XJ | 2016 | Chinese | China | [27804980](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | RGS1 | RGS1 rs12022418 | 0.422 | 0.523603 | 0.291861 | 0.939354 | 0.03 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | STAT3 | STAT3 rs744166 | 0.705 | 3.870968 | 1.645176 | 9.108077 | 0.002 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | STAT3 | STAT3 rs744166 | 0.823 | 3.1261 | 1.342395 | 7.279898 | 0.008 |
| 17 | Yang B | 2018 | Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | STAT4 | STAT4 rs7574865 | 0.213 | 0.611801 | 0.46695 | 0.801587 | 0 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TGF‐β1 | TGF‐β1 rs6957 | 0.250 | 1.985393 | 1.094705 | 3.600776 | 0.024 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TGF‐β1 | TGF‐β1 rs180047 | 0.102 | 0.137168 | 0.036323 | 0.517999 | 0.003 |
| 6 | Lee JS | 2010 | Korean pediatric patients | Korea | [21108742](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TLR1 | TLR1 rs5743557 | 0.146 | 0.049315 | 0.002634 | 0.923182 | 0.044 |
| 7 | Park HJ | 2011 | Korean pediatric patients | Korea | [20953797](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TLR10 | TLR10 rs10004195 | 0.052 | 0.074526 | 0.009816 | 0.565837 | 0.012 |
| 33 | Zhong Z | 2017 | chinese | China | [28636766](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFSF13 | TNFSF13 rs3803800 | 0.052 | 0.155628 | 0.035314 | 0.685838 | 0.014 |
| 23 | Jung HY | 2012 | Korean | Korea | [26889427](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | VEGF | VEGF 405C-G | 0.208 | 0.325752 | 0.130305 | 0.814354 | 0.016 |

**Supplementary Table6:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | --- | | author | | year | ethnicity | country | PMID | SNP | PHWE | Heterozygote(OR) | 0.95\_LCI | 0.95\_UCI | P |
| 1 | Shi D | 2020 | Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs4151657 | 0.460 | 1.299812 | 1.14021 | 1.481754 | 0 |
| 1 | Shi D | 2020 | Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs4151657 | 0.340 | 1.276475 | 1.092897 | 1.490888 | 0.002 |
| 1 | Shi D | 2020 | Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs4151657 | 0.900 | 1.357275 | 1.063215 | 1.732664 | 0.014 |
| 1 | Shi D | 2020 | Chinese | China | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs549182 | 0.140 | 1.249885 | 1.01952 | 1.532301 | 0.032 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | NA rs6657266 | 0.000 | 0.0871056 | 0.0633466 | 0.1197757 | 0 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCGR2B rs12118043 | 0.012 | 0.7007164 | 0.5596106 | 0.8774021 | 0.002 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCGR2B rs12118043 | 0.011 | 0.7007164 | 0.5596106 | 0.8774021 | 0.002 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | intergenic rs4657039 | 0.160 | 0.771569 | 0.643495 | 0.9251333 | 0.005 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | intergenic rs10917750 | 0.808 | 0.7701089 | 0.6349335 | 0.9340627 | 0.008 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB rs4657093 | 0.960 | 0.7669771 | 0.629744 | 0.9341158 | 0.008 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB rs1891019 | 0.030 | 0.7681942 | 0.6196268 | 0.9523835 | 0.016 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB rs1417582 | 0.804 | 0.7974089 | 0.6576874 | 0.9668135 | 0.021 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | NA rs2165090 | 0.030 | 0.7937518 | 0.6518442 | 0.966553 | 0.022 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLB rs1891020 | 0.834 | 0.8004059 | 0.6602914 | 0.9702528 | 0.023 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | NA rs12749327 | 0.517 | 1.42754 | 1.036835 | 1.965471 | 0.029 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLA rs1954173 | 0.413 | 0.8110807 | 0.6694205 | 0.9827184 | 0.033 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | intergenic rs1503813 | 0.320 | 0.8170646 | 0.67799 | 0.9846672 | 0.034 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | NA rs10800309 | 0.548 | 0.8255099 | 0.6881396 | 0.9903029 | 0.039 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | NA rs7539036 | 0.035 | 1.285152 | 1.003568 | 1.645742 | 0.047 |
| 2 | Zhou XJ | 2013 | Chinese | China | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | NA rs6696854 | 0.840 | 0.8325025 | 0.6939057 | 0.9987819 | 0.048 |
| 2 | Zhou XJ | 2013 | Chinese | China | 23593433 | NA rs905589 | 0.264 | 0.828642 | 0.6879557 | 0.9980985 | 0.048 |
| 6 | Lee JS | 2010 | Korean pediatric patients | Korea | [21108742](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TLR1 rs4833095 | 0.083 | 2.1261 | 1.218108 | 3.710918 | 0.008 |
| 7 | Park HJ | 2011 | Korean pediatric patients | Korea | [20953797](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TLR10 rs10004195 | 0.323 | 1.981982 | 1.253534 | 3.133743 | 0.003 |
| 8 | [Gao J](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Gao+J&cauthor_id=28391282) | 2018 | Chinese | China | [28391282](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IFN-γ rs430561 | 0.250 | 0.5726316 | 0.3390155 | 0.9672329 | 0.037 |
| 10 | [Gao J](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Gao+J&cauthor_id=28391282) | 2017 | Chinese | China | [28359052](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL-10 rs1800872 | 0.123 | 1.501976 | 1.081055 | 2.086788 | 0.015 |
| 10 | [Gao J](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Gao+J&cauthor_id=28391282) | 2017 | Chinese | China | [28359052](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL-10 rs1800871 | 0.139 | 1.498693 | 1.07935 | 2.080958 | 0.016 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | CD29 rs3181097 | 0.016 | 2.296875 | 1.103525 | 4.78071 | 0.026 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ICOS rs4404254 | 0.338 | 2.288265 | 1.101335 | 4.754375 | 0.027 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ICOS rs10183087 | 0.400 | 2.247299 | 1.097481 | 4.601768 | 0.027 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ICOS rs11571314 | 0.400 | 2.247299 | 1.097481 | 4.601768 | 0.027 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ICOS rs1559931 | 0.400 | 2.247299 | 1.097481 | 4.601768 | 0.027 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ICOS rs4270326 | 0.756 | 2.180769 | 1.03162 | 4.609988 | 0.041 |
| 12 | Kim HJ | 2011 | Korean pediatric patients | Korea | [21677403](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | CTLA4 rs231779 | 0.683 | 1.937322 | 1.019518 | 3.681365 | 0.043 |
| 13 | Zhou XJ | 2016 | Chinese | China | [27804980](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | RGS1 rs12022418 | 0.000 | 1.236073 | 1.005081 | 1.520151 | 0.045 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | CXCL8 rs2227543 | 0.790 | 1.741433 | 1.173249 | 2.584779 | 0.006 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | CXCL8 rs2227306 | 0.395 | 1.683763 | 1.134176 | 2.499664 | 0.01 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | FBXL21 rs40986 | 0.000 | 0.7673813 | 0.6028736 | 0.9767787 | 0.031 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | CCR6 rs3093023 | 0.000 | 1.273448 | 1.017657 | 1.593533 | 0.035 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | CCR6 rs3093023 | 0.000 | 1.131393 | 1.002148 | 1.277306 | 0.046 |
| 17 | Yang B | 2018 | Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | HLA-DP rs3077 | 0.930 | 0.3074198 | 0.1820647 | 0.5190842 | 0 |
| 17 | Yang B | 2018 | Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | STAT4 rs7574865 | 0.820 | 0.5600479 | 0.3543432 | 0.8851691 | 0.013 |
| 18 | Jacob M | 2018 | Caucasians | Germany | [29539619](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | STAT4 rs5742909 | 0.153 | 1.683391 | 1.034466 | 2.739391 | 0.036 |
| 21 | Li GS | 2007 | Chinese | China | [17228361](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | C1GALT1 rs5882115 | 0.634 | 0.7100885 | 0.5316033 | 0.9485 | 0.02 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL-1B rs1143633 | 0.712 | 0.6032078 | 0.4155427 | 0.8756251 | 0.008 |
| 33 | Zhong Z | 2017 | Chinese | China | [28636766](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFSF13 rs3803800 | 0.213 | 0.6811554 | 0.5261266 | 0.8818652 | 0.004 |
| 34 | Feng Y | 2019 | Chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNS3 rs3750163 | 1.000 | 17.98621 | 4.272992 | 75.70892 | 0 |
| 35 | Shi D | 2020 | Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ITGAM rs4597342 | 0.520 | 0.8011732 | 0.6650555 | 0.9651502 | 0.03 |
| 35 | Shi D | 2020 | Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ITGAX rs11150614 | 0.984 | 0.8202085 | 0.6807781 | 0.9881958 | 0.037 |
| 35 | Shi D | 2020 | Chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ITGAX rs1140195 | 0.623 | 0.8210266 | 0.6804152 | 0.9906961 | 0.04 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TGF‐β1 rs2241715 | 0.645 | 1.763136 | 1.164292 | 2.66999 | 0.007 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | 19258388 | TGF‐β1 rs6957 | 0.102 | 0.1647059 | 0.0423612 | 0.6403985 | 0.009 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | 19258388 | TGF‐β1 rs180047 | 0.146 | 0.0446735 | 0.002295 | 0.869583 | 0.04 |

**Supplementary Table7:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | --- | | author | | year | ethnicity | country | PMID | SNP | PHWE | Recessive(OR) | 0.95\_LCI | 0.95\_UCI | P |
| 44 | Suh JS | 2011 | pediatric patients | Korea | [22977507](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | BMP2 rs1049007 | 0.052 | 0.1558029 | 0.035554 | 0.682756 | 0.014 |
| 44 | Suh JS | 2011 | pediatric patients | Korea | [22977507](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | BMP2 rs235768 | 0.052 | 0.0728793 | 0.009642 | 0.550867 | 0.011 |
| 21 | Li GS | 2007 | Chinese | China | [17228361](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | C1GALT1 rs1008898 | 0.065 | 1.352463 | 1.025251 | 1.784104 | 0.033 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CCR6 rs3093023(A/G) | 0.000 | 1.481797 | 1.190766 | 1.843959 | 0 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CCR6 rs3093023(A/G) | 0.000 | 1.214486 | 1.075702 | 1.371177 | 0.002 |
| 1 | Shi D | 2020 | Chinese | china | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CFB rs549182 (A/G) | 0.140 | 3.896315 | 1.289986 | 11.76855 | 0.016 |
| 14 | Suh JS | 2011 | Korean pediatric patients | Korea | [21214373](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | CXCL8 rs4073(A/T) | 0.911 | 0.6058537 | 0.413402 | 0.887899 | 0.01 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FBXL21 rs40986(C/T) | 0.000 | 0.6087347 | 0.372166 | 0.995679 | 0.048 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | FCRLA rs1954174(T/C) | 0.434 | 1.313906 | 1.035815 | 1.666657 | 0.024 |
| 17 | Yang B | 2018 | Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | HLA-DP rs3077(G/A) | 0.930 | 4.932584 | 3.144951 | 7.736334 | 0 |
| 17 | Yang B | 2018 | Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | HLA-DP rs9277535(G/A) | 0.990 | 2.842105 | 1.838324 | 4.393982 | 0 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IGAN1 rs1342646(A/G) | 0.059 | 2.15873 | 1.429505 | 3.25995 | 0 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IGAN1 rs1203344(A/G) | 0.001 | 0.454023 | 0.259994 | 0.792853 | 0.006 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IGAN1 rs1203350(A/T) | 0.001 | 0.454023 | 0.258205 | 0.798345 | 0.006 |
| 9 | Zhang D | 2017 | Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1B rs16944(G/A) | 0.162 | 1.440016 | 1.039528 | 1.994796 | 0.028 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1B rs3917356(G/A) | 0.170 | 1.575564 | 1.072024 | 2.315621 | 0.021 |
| 23 | Jung HY | 2012 | Korean | Korea | [26889427](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1B rs1946518(C/A) | 0.705 | 2.853598 | 1.535734 | 5.302364 | 0.001 |
| 24 | Yang B | 2017 | Chinese Han population | China | [27028244](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL-1B rs1946518(C/A) | 0.390 | 1.885001 | 1.183359 | 3.002663 | 0.008 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | [19280228](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL1RN rs928940(G/T) | 0.200 | 0.6221452 | 0.393763 | 0.982989 | 0.042 |
| 44 | Suh JS | 2013 | pediatric patients | Korea | [23659670](https://www.ncbi.nlm.nih.gov/pubmed/31857673) | IL22R1 rs3795299(C/G) | 0.208 | 0.2839325 | 0.115565 | 0.697597 | 0.006 |
| 22 | Hahn WH | 2010 | Korean pediatric patients | Korea | 19280228 | IL1RN rs315951(C/G) | 0.259 | 0.4652855 | 0.268381 | 0.806655 | 0.006 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL5RA rs340833(A/G) | 0.918 | 2.528808 | 1.650067 | 3.875523 | 0 |
| 9 | Zhang D | 2017 | Chinese | China | [29069743](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | IL-6 rs1800796(C/G) | 0.309 | 1.678732 | 1.072331 | 2.628051 | 0.023 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | intergenic rs7549830(C/T) | 0.054 | 1.297275 | 1.052893 | 1.59838 | 0.015 |
| 35 | Shi D | 2020 | chinese | China | [31227791](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ITGAX rs11150619(C/T) | 0.152 | 7.369979 | 3.902877 | 13.91706 | 0 |
| 1 | Shi D | 2020 | Chinese | china | [31857673](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | LEMD2 rs751728(A/G) | 0.570 | 0.6895846 | 0.47938 | 0.991963 | 0.045 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NA rs1063178(T/C) | 0.185 | 1.286375 | 1.03512 | 1.598617 | 0.023 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NA rs12745240(A/G) | 0.148 | 1.286375 | 1.03512 | 1.598617 | 0.023 |
| 2 | Zhou XJ | 2013 | Chinese | china | [23593433](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NA rs6657266(T/C) | 0.000 | 0.3881244 | 0.254101 | 0.592837 | 0 |
| 34 | Feng Y | 2019 | chinese | China | [30928649](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | NTN4 rs1362970(C/A) | 0.250 | 1.820635 | 1.012567 | 3.273572 | 0.045 |
| 13 | Zhou XJ | 2016 | Chinese | China | [27804980](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | RASGRP1 rs7170151(/C) | 0.000 | 1.348882 | 1.101929 | 1.65118 | 0.004 |
| 13 | Zhou XJ | 2016 | Chinese | China | [27804980](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | RGS1 rs12022418(/C) | 0.000 | 1.426622 | 1.105559 | 1.840922 | 0.006 |
| 37 | Fu D | 2020 | chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GAL1 rs7634389(T/C) | 0.083 | 1.286982 | 1.015798 | 1.630563 | 0.037 |
| 37 | Fu D | 2020 | chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GAL1 rs2284750(C/T) | 0.377 | 0.6357138 | 0.489796 | 0.825102 | 0.001 |
| 37 | Fu D | 2020 | chinese | China | [32747022](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | ST6GAL1 rs4686838(G/A) | 0.379 | 0.4800525 | 0.383384 | 0.601097 | 0 |
| 16 | Zhou XJ | 2021 | Chinese | China | [33462083](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | STAT3 rs744166(G/A) | 0.000 | 1.150375 | 1.005893 | 1.31561 | 0.041 |
| 17 | Yang B | 2018 | Chinese | China | [29467950](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | STAT4 rs7574865(G/T) | 0.820 | 3.301813 | 2.101682 | 5.187258 | 0 |
| 23 | Jung HY | 2012 | Korean | Korea | [26889427](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TGF‐β1 rs1982073(T/C) | 0.099 | 1.159375 | 0.618292 | 2.173975 | 0.025 |
| 41 | Lim CS | 2005 | korean | Korea | [15730046](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TGF‐β1 rs1800469(C/T) | 0.340 | 2.175824 | 1.01478 | 4.665257 | 0.046 |
| 42 | Vuong MT | 2009 | Sweden | Sweden | [19258388](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TGF‐β1 rs1800469(C/T) | 0.660 | 0.5234633 | 0.349893 | 0.783137 | 0.002 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFRSF6B rs3208008(A/C) | 0.881 | 0.2228774 | 0.080258 | 0.618932 | 0.004 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFRSF6B rs1291205(C/G) | 0.965 | 0.2220395 | 0.079959 | 0.616589 | 0.004 |
| 38 | Liu XQ | 2008 | Caucasians | Canada | [18256355](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFRSF6B rs1291206(A/G) | 0.958 | 0.2220395 | 0.079959 | 0.616589 | 0.004 |
| 33 | Zhong Z | 2017 | chinese | China | [28636766](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | TNFSF13 rs3803800(A/G) | 0.213 | 0.8157251 | 0.676316 | 0.983871 | 0.033 |
| 23 | Jung HY | 2012 | Korean | Korea | [26889427](https://www.ncbi.nlm.nih.gov/pubmed/23593433) | VEGF 405C-G | 0.823 | 2.243061 | 1.197006 | 4.203256 | 0.012 |