

Supplementary Table 1. Association between candidate gene SNPs and renal disease, adjusted for ancestry*

| Gene | Chrom. | SNP | Position | Minor allele | N alleles | OR | Lower 95% | Upper 95% | P-value |
|--------------|----------|------------------|------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| FCGR2A | 1 | rs1801274 | 159746369 | A | 1462 | 1.13 | 0.96 | 1.32 | 0.135 |
| FCGR2A | 1 | rs12128686 | 159785381 | G | 1459 | 0.94 | 0.71 | 1.24 | 0.645 |
| STAT4 | 2 | rs6740131 | 191597827 | G | 1464 | 0.96 | 0.80 | 1.15 | 0.656 |
| STAT4 | 2 | rs3024912 | 191601332 | C | 1466 | 1.26 | 1.07 | 1.49 | 0.007 |
| STAT4 | 2 | rs3024896 | 191604961 | A | 1463 | 1.16 | 0.95 | 1.41 | 0.147 |
| STAT4 | 2 | rs925847 | 191605785 | A | 1460 | 1.21 | 1.03 | 1.43 | 0.024 |
| STAT4 | 2 | rs3821236 | 191611003 | A | 1458 | 1.03 | 0.87 | 1.22 | 0.754 |
| STAT4 | 2 | rs16833215 | 191622044 | G | 1464 | 1.06 | 0.90 | 1.24 | 0.512 |
| STAT4 | 2 | rs7601754 | 191648696 | G | 1465 | 1.00 | 0.82 | 1.22 | 0.986 |
| STAT4 | 2 | rs10931481 | 191663097 | G | 1458 | 1.04 | 0.88 | 1.22 | 0.648 |
| STAT4 | 2 | rs7574865 | 191672878 | A | 1459 | 1.04 | 0.88 | 1.24 | 0.648 |
| STAT4 | 2 | rs6752770 | 191681808 | G | 1466 | 1.14 | 0.96 | 1.34 | 0.140 |
| STAT4 | 2 | rs6738544 | 191697601 | A | 1452 | 1.01 | 0.86 | 1.19 | 0.891 |
| STAT4 | 2 | rs1551443 | 191704763 | A | 1459 | 1.06 | 0.90 | 1.24 | 0.503 |
| STAT4 | 2 | rs2356350 | 191710783 | G | 1462 | 1.06 | 0.91 | 1.24 | 0.461 |
| STAT4 | 2 | rs7596818 | 191717555 | A | 1448 | 1.11 | 0.92 | 1.34 | 0.291 |
| STAT4 | 2 | rs7572482 | 191723317 | A | 1466 | 1.01 | 0.86 | 1.18 | 0.955 |
| TREX1 | 3 | rs730566 | 48462052 | A | 1465 | 1.04 | 0.87 | 1.24 | 0.669 |

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|------------------|----------|------------------|------------------|----------|-------------|-------------|-------------|-------------|--------------|
| PXK | 3 | rs13098114 | 58173755 | G | 1465 | 1.00 | 0.84 | 1.19 | 0.998 |
| PXK | 3 | rs7636513 | 58186123 | G | 1462 | 1.07 | 0.89 | 1.29 | 0.446 |
| PXK | 3 | rs6445961 | 58207699 | A | 1460 | 1.00 | 0.84 | 1.18 | 0.955 |
| PXK | 3 | rs6769100 | 58235039 | G | 1461 | 0.98 | 0.83 | 1.15 | 0.771 |
| PXK | 3 | rs3773010 | 58244791 | A | 1464 | 1.11 | 0.94 | 1.31 | 0.218 |
| PXK | 3 | rs7622497 | 58257713 | C | 1463 | 0.91 | 0.76 | 1.09 | 0.292 |
| PXK | 3 | rs7625655 | 58312763 | G | 1465 | 0.94 | 0.77 | 1.15 | 0.538 |
| PXK | 3 | rs6445975 | 58345217 | C | 1462 | 1.01 | 0.86 | 1.19 | 0.885 |
| PXK | 3 | rs11710823 | 58371533 | A | 1465 | 1.04 | 0.87 | 1.25 | 0.643 |
| PXK | 3 | rs6767498 | 58384166 | A | 1465 | 1.01 | 0.85 | 1.19 | 0.932 |
| TNFAIP3 | 6 | rs13192841 | 138008907 | A | 1412 | 0.89 | 0.73 | 1.08 | 0.247 |
| TNFAIP3 | 6 | rs2230926 | 138237759 | C | 1463 | 0.92 | 0.73 | 1.18 | 0.518 |
| TNFAIP3 | 6 | rs661561 | 138239024 | A | 1463 | 1.05 | 0.88 | 1.24 | 0.600 |
| TNFAIP3 | 6 | rs610604 | 138241110 | C | 1461 | 1.06 | 0.90 | 1.26 | 0.478 |
| TNFAIP3 | 6 | rs6922466 | 138486623 | G | 1461 | 0.95 | 0.78 | 1.16 | 0.602 |
| TNFAIP3 | 6 | rs12660547 | 138489755 | G | 1464 | 0.92 | 0.77 | 1.11 | 0.394 |
| HLA | | | | | | | | | |
| DRB1*0301 | 6 | | | | 1110 | 1.43 | 1.10 | 1.85 | 0.007 |
| HLA | | | | | | | | | |
| DRB1*1501 | 6 | | | | 1110 | 1.53 | 1.16 | 2.01 | 0.002 |
| IRF5 | 7 | rs729302 | 128356196 | C | 1464 | 0.85 | 0.70 | 1.02 | 0.084 |
| IRF5 | 7 | rs4728142 | 128361203 | A | 1464 | 1.20 | 1.03 | 1.41 | 0.023 |
| IRF5 | 7 | rs7808907 | 128371320 | A | 1462 | 0.95 | 0.81 | 1.11 | 0.508 |

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|-------------|----------|-------------------|------------------|----------|-------------|-------------|-------------|-------------|--------------|
| IRF5 | 7 | rs10488631 | 128381419 | G | 1464 | 1.19 | 0.95 | 1.49 | 0.141 |
| IRF5 | 7 | rs2293492 | 128402302 | G | 1466 | 0.71 | 0.52 | 0.98 | 0.036 |
| BLK | 8 | rs12680762 | 11369436 | A | 1459 | 1.12 | 0.94 | 1.35 | 0.211 |
| BLK | 8 | rs17799348 | 11370931 | A | 1464 | 0.80 | 0.68 | 0.94 | 0.007 |
| BLK | 8 | rs1564267 | 11375297 | A | 1465 | 0.90 | 0.74 | 1.10 | 0.300 |
| BLK | 8 | rs2736340 | 11381382 | A | 1465 | 1.27 | 1.06 | 1.51 | 0.008 |
| BLK | 8 | rs7829381 | 11381982 | G | 1466 | 0.85 | 0.71 | 1.02 | 0.083 |
| BLK | 8 | rs4606022 | 11392342 | G | 1466 | 0.87 | 0.71 | 1.06 | 0.167 |
| BLK | 8 | rs2618479 | 11393230 | A | 1464 | 0.82 | 0.64 | 1.04 | 0.100 |
| BLK | 8 | rs11776834 | 11401359 | G | 1457 | 0.86 | 0.64 | 1.16 | 0.338 |
| BLK | 8 | rs6993775 | 11407398 | C | 1461 | 1.03 | 0.84 | 1.27 | 0.754 |
| BLK | 8 | rs4841548 | 11412188 | G | 1464 | 0.93 | 0.76 | 1.14 | 0.469 |
| BLK | 8 | rs12677843 | 11424598 | A | 1466 | 1.17 | 0.98 | 1.39 | 0.088 |
| BLK | 8 | rs7014565 | 11434227 | A | 1464 | 0.93 | 0.72 | 1.21 | 0.602 |
| BLK | 8 | rs3816668 | 11444002 | G | 1464 | 0.82 | 0.69 | 0.97 | 0.019 |
| TRAF/C5 | 9 | rs2900180 | 122746203 | A | 1463 | 0.88 | 0.75 | 1.04 | 0.142 |
| KIAA1542/IR | | | | | | | | | |
| F7 | 11 | rs936469 | 596749 | A | 1464 | 1.09 | 0.90 | 1.33 | 0.390 |
| KIAA1542/IR | | | | | | | | | |
| F7 | 11 | rs12421158 | 599888 | G | 1373 | 0.98 | 0.79 | 1.21 | 0.828 |
| IRF7 | 11 | rs3758650 | 606865 | A | 1459 | 1.18 | 0.83 | 1.67 | 0.363 |
| IRF7 | 11 | rs7932167 | 610599 | C | 1445 | 1.11 | 0.94 | 1.32 | 0.222 |
| ITGAM- | 16 | rs4889640 | 31171768 | C | 1442 | 0.91 | 0.76 | 1.08 | 0.286 |

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|---------------|-----------|------------------|-----------------|----------|-------------|-------------|-------------|-------------|--------------|
| ITGAX | | | | | | | | | |
| ITGAM- | | | | | | | | | |
| ITGAX | 16 | rs9937837 | 31206440 | C | 1462 | 1.36 | 1.13 | 1.63 | 0.001 |
| ITGAM- | | | | | | | | | |
| ITGAX | 16 | rs1143683 | 31244389 | A | 1461 | 1.10 | 0.90 | 1.35 | 0.340 |
| ITGAM- | | | | | | | | | |
| ITGAX | 16 | rs3925075 | 31255249 | G | 1462 | 0.94 | 0.81 | 1.10 | 0.456 |
| ITGAM- | | | | | | | | | |
| ITGAX | 16 | rs2929 | 31300809 | A | 1425 | 1.15 | 0.96 | 1.39 | 0.127 |
| TREX2 | 23 | rs2980025 | 152361040 | A | 1446 | 1.09 | 0.92 | 1.29 | 0.334 |
| MeCP2 | 23 | rs2239464 | 153001625 | A | 1461 | 1.14 | 0.96 | 1.34 | 0.133 |

*Adjusted for ancestry using first 3 principal components.