**Supplementary Table SII** **Odds ratios (OR) and *P*-values for the association of PCOS with ten SNPs (single-nucleotide polymorphism) identified in a genome-wide association study of Han Chinese women with PCOS.**

| SNP-allele | Nearest gene | OR Chinese | Frq Chinese | Samples | *P* | Study OR (95% CI) | $Frq_{cases}$ | $Frq_{controls}$ | $P_{Combined}$ | Combined OR (95% CI) | $P_{Het}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| rs2268361-T | *FSHR* | 0.84 | 0.496 | Boston 1 | 0.11 | 0.83 (0.68–1.01) | 0.61 | 0.65 | 0.009 | 0.83 (0.72–0.95) | 0.95 |
| 2p16.3 | | | | Greek | 0.053 | 0.81 (0.54–1.00) | 0.57 | 0.62 | | | |
| rs2349415-T | *FSHR* | 1.33 | 0.181 | Boston 1 | 0.61 | 1.07 (0.87–1.24) | 0.35 | 0.33 | 0.74 | 1.02 (0.9–1.18) | 0.65 |
| 2p16.3 | | | | Greek | 0.94 | 0.99 (0.82–1.21) | 0.37 | 0.37 | | | |
| rs4385527-A | *C9orf3* | 0.78 | 0.219 | Boston 1 | 0.12 | 0.86 (0.71–1.04) | 0.4 | 0.43 | 0.18 | 0.91 (0.80–1.04) | 0.51 |
| 9q22.32 | | | | Greek | 0.61 | 0.95 (0.79–1.15) | 0.45 | 0.47 | | | |
| rs3802457-A | *C9orf3* | 0.69 | 0.096 | Boston 1 | 0.36 | 0.86 (0.49–1.53) | 0.026 | 0.03 | 0.75 | 0.93 (0.6–1.45) | 0.59 |
| 9q22.32 | | | | Greek | 0.89 | 1.04 (0.57–1.91) | 0.026 | 0.025 | | | |
| rs1894116-G | *YAP1* | 1.30 | 0.194 | Boston 1 | 0.37 | 1.13 (0.83–1.52) | 0.11 | 0.1 | 0.056 | 1.19 (0.99–1.34) | 0.51 |
| 11q22.1 | | | | Greek | 0.06 | 1.31 (0.98–1.75) | 0.14 | 0.11 | | | |
| rs705702-G | RAB5B/SUOX | 1.32 | 0.245 | Boston 1 | 0.85 | 0.95 (0.78–1.16) | 0.33 | 0.34 | 0.61 | 0.96 (0.83–1.12) | 0.39 |
| 12q13.2 | | | | Greek | 0.33 | 1.11 (0.90–1.38) | 0.28 | 0.25 | | | |
| rs2272046-C | *HMGA2* | 0.67 | 0.093 | Boston 1 | 0.96 | 1.00 (0.56–1.80) | 0.026 | 0.022 | 0.26 | 1.24 (0.82–1.52) | 0.32 |
| 12q14.3 | | | | Greek | 0.11 | 1.67 (0.88–3.15) | 0.032 | 0.020 | | | |
| rs4784165-G | *TOX3* | 1.26 | 0.325 | Boston 1 | 0.03 | 1.36 (1.10–1.67) | 0.32 | 0.26 | 0.007 | 1.18 (1.05–1.29) | 0.08 |
| 16q12.1 | | | | Greek | 0.47 | 1.08 (0.88–1.32) | 0.33 | 0.31 | | | |
| rs2059807-A | *INSR* | 1.24 | 0.301 | Boston 1 | 0.61 | 1.09 (0.90–1.32) | 0.36 | 0.39 | 0.66 | 1.03 (0.9–1.19) | 0.18 |
| 19p13.3 | | | | Greek | 0.21 | 1.14 (0.93–1.39) | 0.36 | 0.33 | | | |
| rs6022786-A | *SUMO1P1* | 1.24 | 0.339 | Boston 1 | 0.37 | 0.95 (0.74–1.13) | 0.42 | 0.43 | 0.94 | 0.99 (0.87–1.14) | 0.50 |
| 20q13.2 | | | | Greek | 0.67 | 1.04 (0.86–1.26) | 0.47 | 0.46 | | | |

For each SNP, the table includes the OR and frequency (Frq) of the risk allele in the Chinese population, the *P*-value, OR, and frequency in cases and controls for the Boston 1 and Greek sample sets, NIH subset, only, and the *P*-value ($P_{combined}$) and OR ($OR_{combined}$) for the two samples sets combined using a Mantel–Haenszel model (Mantel and Haenszel, 1959), together with the *P*-value, $P_{Het}$, for the test of heterogeneity in the effect estimates between the sample sets.