Table SI. Frequency of genotypes and alleles of each gene polymorphism in total, insulin ≤24.9 and insulin >24.9 groups.

| Gene polymorphism | Genotypes | Allele | P-value<sup>a</sup> |
|------------------|-----------|--------|---------------------|
| **LPL Ser447Ter** |           |        |                     |
| Total            | 254       | 86     | 20                  | 794 | 126 |
| Insulin ≤24.9    | 327       | 77     | 15                  | 731 | 107 |
| Insulin >24.9    | 27        | 9      | 5                   | 63  | 19  |
| **ADRB2 Gln27Glu** |           |        |                     |
| Total            | 227       | 191    | 42                  | 645 | 275 |
| Insulin ≤24.9    | 204       | 177    | 38                  | 585 | 253 |
| Insulin >24.9    | 23        | 14     | 4                   | 60  | 22  |
| **AGT Thr174Met** |           |        |                     |
| Total            | 375       | 80     | 5                   | 830 | 90  |
| Insulin ≤24.9    | 339       | 76     | 4                   | 754 | 84  |
| Insulin >24.9    | 36        | 4      | 1                   | 76  | 6   |
| **AGTR1 A1166C** |           |        |                     |
| Total            | 369       | 80     | 11                  | 818 | 102 |
| Insulin ≤24.9    | 335       | 74     | 10                  | 744 | 94  |
| Insulin >24.9    | 34        | 6      | 1                   | 74  | 8   |

<sup>a</sup><sup>χ</sup><sup>2</sup> test. *AGTR1*, angiotensin II receptor type 1; *AGT*, angiotensinogen; *ADRB2*, β2-adrenoreceptor; *LPL*, lipoprotein lipase.
### Table SII. Frequency of genotypes and alleles of each gene polymorphism in total, HOMA-IR ≤2.7 and HOMA-IR >2.7 groups.

| Gene polymorphism   | Genotypes | Allele | P-value<sup>a</sup> |
|---------------------|-----------|--------|---------------------|
| LPL Ser447Ter       | C/C       | C     | 0.108               |
|                     |           | G     |                     |
|                     |           | G/G   |                     |
|                     |           | C     |                     |
|                     |           | G     |                     |
| Total               | 354       | 86    | 20                  |
| HOMA-IR ≤2.7        | 219       | 48    | 8                   |
|                     | 135       | 38    | 12                  |
| ADRB2 Gln27Glu      | C/C       | C/G   | 0.926               |
|                     |           | G     |                     |
|                     |           | G/G   |                     |
|                     |           | C     |                     |
|                     |           | G     |                     |
| Total               | 227       | 191   | 42                  |
| HOMA-IR ≤2.7        | 137       | 114   | 24                  |
|                     | 90        | 77    | 18                  |
| AGT Thr174Met       | G/G       | G/A   | 0.428               |
|                     |           | A/A   |                     |
|                     |           | G     |                     |
|                     |           | A     |                     |
| Total               | 375       | 80    | 5                   |
| HOMA-IR ≤2.7        | 227       | 44    | 4                   |
|                     | 148       | 36    | 1                   |
| AGTR1 A1166C        | A/A       | A/C   | 0.383               |
|                     |           | C/C   |                     |
|                     |           | A     |                     |
|                     |           | C     |                     |
| Total               | 369       | 80    | 11                  |
| HOMA-IR ≤2.7        | 218       | 52    | 5                   |
|                     | 151       | 28    | 6                   |

<sup>a</sup>χ² test. AGTR1, angiotensin II receptor type 1; AGT, angiotensinogen; ADRB2, β2-adrenoreceptor; LPL, lipoprotein lipase.