Supplementary Information

Figure S1 High-resolution melting curves of the five SNPs.
Table S1. Genotype comparison between CAD cases with and without specific comorbidity.

<table>
<thead>
<tr>
<th>Genotype</th>
<th>rs2228611</th>
<th>rs233691</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CAD ¹</td>
<td>CAD with HT</td>
</tr>
<tr>
<td>GG</td>
<td>74</td>
<td>147</td>
</tr>
<tr>
<td>AG</td>
<td>64</td>
<td>131</td>
</tr>
<tr>
<td>AA</td>
<td>13</td>
<td>47</td>
</tr>
</tbody>
</table>

¹ CAD patients without hypertension; ² CAD patients without hyperlipidemia; ³ CAD patients without diabetes. p, p values derived from the chi-square test of allele frequency. HT: hypertension; HL: hyperlipidemia; DM: diabetes mellitus.
Table S2. Genotype comparison between Controls and CAD cases with specific pathological states.

<table>
<thead>
<tr>
<th>Genotype</th>
<th>Control ((n = 478))</th>
<th>CAD (^1) ((n = 105))</th>
</tr>
</thead>
<tbody>
<tr>
<td>GG</td>
<td>242</td>
<td>47</td>
</tr>
<tr>
<td>AG</td>
<td>203</td>
<td>40</td>
</tr>
<tr>
<td>AA</td>
<td>33</td>
<td>18</td>
</tr>
<tr>
<td>(p^*)</td>
<td>0.021</td>
<td>-</td>
</tr>
</tbody>
</table>

\(^1\) CAD patients with hyperlipidemia; \(*\) values derived from the chi-square test of allele frequency.

Table S3. Amplification primers utilized in the genotype.

<table>
<thead>
<tr>
<th>SNP</th>
<th>The Sequence of Primers</th>
<th>Amplicons (bp)</th>
<th>Annealing Tm (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>rs2228611</td>
<td>F 5'-AAACCAATCTATGATGATGA-3' R 5'-ATCCCGGACTATTCCTT-3'</td>
<td>53</td>
<td>52</td>
</tr>
<tr>
<td>rs16999593</td>
<td>F 5'-ATTCACCTTCCCGTTGTA-3' R 5'-ATTTGTCTTGGAGAACC-3'</td>
<td>47</td>
<td>53</td>
</tr>
<tr>
<td>rs7253062</td>
<td>F 5'-AATGTAGAACTGCCAGGA-3' R 5'-GTCAGTAATCAAATCATGACCA-3'</td>
<td>56</td>
<td>52</td>
</tr>
<tr>
<td>rs2336691</td>
<td>F 5'-CCAATCTATACCTTCAGCCC-3' R 5'-TGCAGCTAGAAAGGTTCTGT-3'</td>
<td>49</td>
<td>56</td>
</tr>
<tr>
<td>rs4804494</td>
<td>F 5'-AAGAAGATATATACCCACTAAC-3' R 5'-CTGGGATTATAGTCAAACC-3'</td>
<td>53</td>
<td>50</td>
</tr>
</tbody>
</table>