

Supplementary Table 5. The results of heterogeneity analysis.

| Exposures | Outcome | Method | Q | P value |
|------------------|----------------|---------------------------|------------------|-------------------|
| DKK1 | CAD | MR Egger | 20.6715621723124 | 0.296305741630627 |
| DKK1 | CAD | Inverse variance weighted | 20.9137434616642 | 0.341586548838615 |
| DKK1 | IS | MR Egger | 24.3522979990856 | 0.276303645639393 |
| DKK1 | IS | Inverse variance weighted | 24.7135682623749 | 0.310967406324591 |

DKK1, Dickkopf-1; CAD, coronary artery disease; IS, ischemic stroke.

Supplementary Table 6. The results of primary analysis.

| Exposures | Outcome | Egger intercept | Standard error | P value |
|------------------|----------------|------------------------|-----------------------|-------------------|
| DKK1 | CAD | -0.00289696585804303 | 0.00630846183233037 | 0.65157413929669 |
| DKK1 | IS | 0.00493175901210229 | 0.00883580385579911 | 0.582640218062323 |

DKK1, Dickkopf-1; CAD, coronary artery disease; IS, ischemic stroke.