**Supplementary Table 4.** Exclusion of parameters from primary candidates to achieve a VIF of <10 to avoid multicollinearity.

| Explanatory variables for AHI | Correlation of estimates | VIF   | Decision |
|-------------------------------|--------------------------|-------|----------|
|                               | **Hematocrit** | **Hemoglobin level** | **BMI** | **Fat mass** |       |        |
| **Hematocrit**                | 1.000        | -0.827                   | -0.054  | 0.047       | 19.003 | → Exclusion |
| **Hemoglobin**                | -0.827       | 1.000                   | 0.092   | -0.106      | 15.162 |
| **BMI**                       | -0.054     | 0.092                    | 1.000   | -0.952      | 13.156 |
| **Fat mass**                  | 0.047       | -0.105                   | -0.952  | 1.000       | 13.247 | → Exclusion |

BMI, body mass index; VIF, variance information factor.