**ESM Table 3** Correlation between total white cell count, count of each type of white blood cell, and selected metabolic risk factors at baseline

| | $Log_e$ white-cell count | $Log_e$ neutrophil count | $Log_e$ lymphocyte count | $Log_e$ monocyte count | Neutrophil-to-lymphocyte ratio |
|---|---|---|---|---|---|
| $Log_e$ neutrophil count | 0.89 *** | - | - | - | - |
| $Log_e$ lymphocyte count | 0.54 *** | 0.23 *** | - | - | - |
| $Log_e$ monocyte count | 0.46 *** | 0.36 *** | 0.15 *** | - | - |
| Neutrophil-to-lymphocyte ratio | 0.38 *** | 0.69 *** | - 0.54 *** | 0.20 *** | - |
| Fasting glucose | 0.05 | 0.01 | 0.08 * | 0.00 | - 0.05 |
| 2-h glucose | 0.17 *** | 0.17 *** | 0.14 *** | 0.04 | 0.04 |
| BMI | 0.17 *** | 0.12 *** | 0.20 *** | 0.05 | - 0.05 |
| Waist circumference | 0.15 *** | 0.11 ** | 0.15 *** | 0.08 ** | - 0.01 |
| $Log_e$ fasting insulin | 0.21 *** | 0.13 *** | 0.24 *** | 0.10 ** | - 0.07 |
| $Log_e$ HOMA-IR | 0.21 *** | 0.13 *** | 0.24 *** | 0.10 ** | - 0.07 * |
| $Log_e$ $S_I$ | - 0.22 *** | - 0.16 *** | - 0.24 *** | - 0.07 * | 0.04 |
| $Log_e$ AIR | 0.12 *** | 0.09 ** | 0.16 *** | 0.08 * | - 0.04 |
| $Log_e$ AIR § | 0.05 | 0.03 | 0.09 * | 0.06 | - 0.03 |
| $Log_e$ proinsulin-to-insulin ratio | - 0.04 | - 0.01 | - 0.06 | - 0.02 | 0.04 |
| $Log_e$ hsCRP | 0.29 *** | 0.25 *** | 0.17 *** | 0.11 ** | 0.09 * |

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

§ Pearson's partial correlation coefficient adjusting for log $S_I$