

Supplementary Material 1 Characteristics of the SII and Klotho levels in RA and non-RA populations.

| RA                                      | Non-RA (N = 12773) | RA (N = 982)  | P-value |
|---|--------------------|---------------|---------|
| SII                                     | 530.1 ± 403.5      | 600.9 ± 485.2 | <0.001  |
| Klotho (pg/ml)                          | 855.7 ± 309.5      | 840.7 ± 313.6 | 0.033   |
| Neutrophils count (10 <sup>3</sup> /μL) | 4.2 ± 1.8          | 4.4 ± 1.9     | 0.005   |
| Lymphocyte count (10 <sup>3</sup> /μL)  | 2.1 ± 0.8          | 2.1 ± 1.6     | 0.040   |
| Platelet count (10 <sup>3</sup> /μL)    | 242.0 ± 64.5       | 247.2 ± 72.6  | 0.141   |
| SII quartiles                           |                    |               | <0.001  |
| Quartile 1                              | 3216 (25.2%)       | 223 (22.7%)   |         |
| Quartile 2                              | 3220 (25.2%)       | 219 (22.3%)   |         |
| Quartile 3                              | 3204 (25.1%)       | 234 (23.8%)   |         |
| Quartile 4                              | 3133 (24.5%)       | 306 (31.2%)   |         |

Abbreviations: BMI: body mass index; CHD: coronary heart disease; CI: confidence interval; CKD: chronic kidney disease; COPD: chronic obstructive pulmonary disease; RA: rheumatoid arthritis; SII: systemic immune-inflammation index.