### Supplementary Table 2. Correlation analysis of sarcopenia index with clinical parameters

| Parameter          | Cystatin C/Cr |            | Δ (Cystatin C − sCr) |            |
|--------------------|---------------|------------|----------------------|------------|
|                    | Correlation coefficient (β) | P-value | Correlation coefficient (β) | P-value |
| Male               |               |           |                      |           |
| Age                | 0.358         | <0.001    | 0.251                | <0.001    |
| Lean tissue index  | -0.372        | <0.001    | -0.295               | <0.001    |
| Fat tissue index   | 0.121         | 0.03      | 0.145                | 0.007     |
| Handgrip strength  | -0.254        | <0.001    | -0.142               | 0.01      |
| eGFR               | 0.08          | 0.14      | 0.279                | <0.001    |
| Pulse pressure     | 0.149         | 0.006     | 0.073                | 0.18      |
| Body mass index    | -0.117        | 0.03      | -0.066               | 0.22      |
| Hemoglobin         | -0.216        | <0.001    | 0.027                | 0.62      |
| Uric acid          | -0.096        | 0.08      | -0.057               | 0.3       |
| Total cholesterol  | -0.036        | 0.5       | 0.028                | 0.61      |
| Total protein      | -0.094        | 0.08      | 0.002                | 0.98      |
| Albumin            | -0.225        | <0.001    | -0.059               | 0.28      |
| Total CO₂          | -0.023        | 0.67      | 0.106                | 0.05      |
| Female             |               |           |                      |           |
| Age                | 0.349         | <0.001    | 0.382                | <0.001    |
| Lean tissue index  | -0.280        | <0.001    | -0.306               | <0.001    |
| Fat tissue index   | 0.176         | 0.02      | 0.188                | 0.01      |
| Handgrip strength  | -0.262        | 0.001     | -0.297               | <0.001    |
| eGFR               | 0.228         | 0.002     | 0.156                | 0.04      |
| Pulse pressure     | -0.005        | 0.94      | 0.03                 | 0.7       |
| Body mass index    | 0.043         | 0.58      | 0.039                | 0.6       |
| Hemoglobin         | 0.011         | 0.89      | 0.022                | 0.77      |
| Uric acid          | 0.13          | 0.09      | 0.176                | 0.02      |
| Total cholesterol  | -0.045        | 0.56      | 0.001                | 0.99      |
| Total protein      | 0.054         | 0.48      | 0.122                | 0.11      |
| Albumin            | -0.012        | 0.88      | 0.027                | 0.72      |
| Total CO₂          | 0.154         | 0.04      | 0.167                | 0.03      |

Cr, creatinine; eGFR, estimated glomerular filtration rate; sCr, serum Cr.