

Supplementary Table 4. AUC curves of myosteatorosis indices for NAFLD risk and severity

| Variable | AUC | Standard error | 95% CI | P value |
|----------------------------------|-------|----------------|-----------------|---------|
| NAFLD risk | | | | |
| Parameter | | | | |
| SMA/BMI | 0.536 | 0.005 | 0.527 to 0.544 | |
| NAMA/BMI | 0.509 | 0.005 | 0.500 to 0.517 | |
| NAMA/TAMA | 0.568 | 0.005 | 0.560 to 0.577 | |
| LAMA/BMI | 0.608 | 0.005 | 0.600 to 0.616 | |
| Pairwise comparison ^a | | | | |
| SMA/BMI vs. NAMA/BMI | 0.027 | | 0.024 to 0.030 | <0.001 |
| SMA/BMI vs. NAMA/TAMA | 0.033 | | 0.015 to 0.051 | <0.001 |
| SMA/BMI vs. LAMA/BMI | 0.072 | | 0.058 to 0.086 | <0.001 |
| NAMA/BMI vs. NAMA/TAMA | 0.060 | | 0.041 to 0.079 | <0.001 |
| NAMA/BMI vs. LAMA/BMI | 0.099 | | 0.083 to 0.115 | <0.001 |
| NAMA/TAMA vs. LAMA/BMI | 0.039 | | 0.033 to 0.046 | <0.001 |
| NAFLD severity | | | | |
| Parameter | | | | |
| SMA/BMI | 0.516 | 0.009 | 0.501 to 0.530 | |
| NAMA/BMI | 0.525 | 0.009 | 0.510 to 0.539 | |
| NAMA/TAMA | 0.532 | 0.009 | 0.518 to 0.547 | |
| LAMA/BMI | 0.532 | 0.009 | 0.518 to 0.547 | |
| Pairwise comparison ^a | | | | |
| SMA/BMI vs. NAMA/BMI | 0.009 | | 0.004 to 0.015 | 0.001 |
| SMA/BMI vs. NAMA/TAMA | 0.017 | | 0.001 to 0.032 | 0.037 |
| SMA/BMI vs. LAMA/BMI | 0.017 | | -0.007 to 0.041 | 0.174 |
| NAMA/BMI vs. NAMA/TAMA | 0.008 | | -0.004 to 0.019 | 0.188 |
| NAMA/BMI vs. LAMA/BMI | 0.008 | | -0.013 to 0.028 | 0.466 |
| NAMA/TAMA vs. LAMA/BMI | 0.000 | | -0.012 to 0.012 | 0.978 |

AUC, area under receiver operating characteristic; NAFLD, nonalcoholic fatty liver disease; CI, confidence interval; SMA, skeletal muscle area; BMI, body mass index; NAMA, normal attenuation muscle area; TAMA, total abdominal muscle area; LAMA, low attenuation muscle area.

^aDifference AUC.