**Supplemental Table 1. Multivariate logistic regression analysis for predicting osteoporosis**

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|  | Odds ratio | 95% confidence interval | *p* value |
| Lower | Upper |
| Age | .929 | .902 | .957 | .000 \*\* |
| Height | .944 | .859 | 1.036 | .224 |
| BMI | .872 | .669 | 1.136 | .311 |
| FM ratio | 1.259 | 1.039 | 1.525 | .019 \* |
| FM | .866 | .694 | 1.080 | .201 |
| BMR | 1.033 | 1.001 | 1.066 | .041 \* |
| FFM | .710 | .384 | 1.313 | .275 |

BMI: Body mass index, BMR: Basal metabolic rate, FFM: Fat-free mass, FM: Fat mass, FM ratio: Fat mass ratio. \* *p* ≤ 0.05. \*\* *p* ≤ 0.01