Supplementary Table 1 Association between depressive symptoms and sarcopenia stratified by categories of DII

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| Variables | Crude model | Adjusted model |
| Tertile 1 of DII |  |  |
| Sarcopenia OR (95%CI) | 2.73 (0.61, 12.18) | 3.08 (0.61, 15.47) |
| Weakness OR (95%CI) | 2.86 (1.09, 7.49) \* | 2.14 (0.73, 6.26) |
| Low muscle mass OR (95%CI) | 2.23 (1.23, 4.04) \* | 2.02 (0.99, 3.99) |
| Handgrip strength β (95%CI) | -0.09 (-0.13, -0.05) \* | -0.08 (-0.15, -0.02) \* |
| Muscle mass β (95%CI) | -0.24 (-0.34, -0.14) \* | -0.03 (-0.06, -0.01) |
| Tertile 2 of DII |  |  |
| Sarcopenia OR (95%CI) | 4.76 (2.04, 11.10) \* | 7.99 (2.50, 25.55) \* |
| Weakness OR (95%CI) | 3.71 (1.84, 7.51) \* | 3.89 (1.58, 9.61) \* |
| Low muscle mass OR (95%CI) | 1.56 (0.97, 2.51) | 1.59 (0.91, 2.77) |
| Handgrip strength β (95%CI) | -0.21 (-0.29, -0.14) \* | -0.08 (-0.13, -0.03) \* |
| Muscle mass β (95%CI) | -0.07 (-0.10, -0.04) \* | -0.01 (-0.03, 0.01) |
| Tertile 3 of DII |  |  |
| Sarcopenia OR (95%CI) | 1.98 (0.79, 4.93) | 0.96 (0.30, 3.13) |
| Weakness OR (95%CI) | 1.59 (1.08, 2.32) \* | 1.06 (0.44, 2.59) |
| Low muscle mass OR (95%CI) | 1.78 (0.88, 3.60) | 1.21 (0.77, 1.89) |
| Handgrip strength β (95%CI) | -0.12 (-0.19, -0.06) \* | -0.01 (-0.06, 0.03) |
| Muscle mass β (95%CI) | -0.06 (-0.08, -0.03) \* | -0.02 (-0.03, -0.01) \* |

Note: Adjusted model adjusted for age, sex, race, educational level, marriage status, family poverty income ratio, smoking status, drinking status, physical activity level, BMI status, diabetes, and hypertension. \* *P* < 0.05