Table S2. Multivariable-adjusted associations (ORs and 95% CIs) between frequency of spicy food consumption and risk of hyperuricemia (N=20 133).

| Frequency of spicy food intake | Never (n=2702) | <1 d/week (n=1973) | 1-2 d/week (n=3613) | 3-5 d/week (n=2624) | 6-7 d/week (n=9221) | Each level increment | P trend |
|-------------------------------|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------|
| No. events(%)                | 347(12.8)      | 254(12.9)           | 481(13.3)           | 445(17.0)           | 1460(15.8)          | 1.04(1.19,1.61)     | <0.001  |
| Model 1                       | 1.00(Ref)      | 1.00(0.84,1.19)     | 1.04(0.90,1.21)     | 1.39(1.19,1.61)     | 1.28(1.13,1.45)     |                     |         |
| Model 2                       | 1.00(Ref)      | 1.00(0.84,1.20)     | 1.03(0.88,1.20)     | 1.31(1.12,1.54)     | 1.18(1.04,1.35)     |                     | <0.001  |
| Model 3                       | 1.00(Ref)      | 0.97(0.80,1.17)     | 1.02(0.87,1.20)     | 1.28(1.08,1.51)     | 1.09(0.95,1.26)     |                     | 0.052   |
| Males                         |                |                     |                     |                     |                     |                     |         |
| No. events(%)                | 203(16.4)      | 149(17.8)           | 298(19.8)           | 307(25.6)           | 1043(22.6)          |                     |         |
| Model 1                       | 1.00(Ref)      | 1.11(0.88,1.40)     | 1.26(1.03,1.53)     | 1.75(1.44,2.14)     | 1.49(1.26,1.75)     |                     | <0.001  |
| Model 4                       | 1.00(Ref)      | 0.98(0.78,1.24)     | 1.05(0.86,1.28)     | 1.41(1.15,1.72)     | 1.25(1.06,1.48)     |                     | <0.001  |
| Model 5                       | 1.00(Ref)      | 0.98(0.76,1.26)     | 1.04(0.84,1.29)     | 1.41(1.13,1.75)     | 1.18(0.98,1.43)     |                     | 0.011   |
| Females                       |                |                     |                     |                     |                     |                     |         |
| No. events(%)                | 144(9.8)       | 105(9.2)            | 183(8.7)            | 138(9.7)            | 417(9.1)            |                     |         |
| Model 1                       | 1.00(Ref)      | 0.93(0.72,1.21)     | 0.87(0.69,1.10)     | 0.98(0.77,1.26)     | 0.91(0.75,1.12)     |                     | 0.584   |
| Model 4                       | 1.00(Ref)      | 1.07(0.82,1.40)     | 1.06(0.84,1.34)     | 1.21(0.94,1.55)     | 1.10(0.89,1.35)     |                     | 0.351   |
| Model 5                       | 1.00(Ref)      | 0.97(0.73,1.29)     | 1.02(0.80,1.31)     | 1.10(0.84,1.44)     | 0.98(0.79,1.21)     |                     | 0.890   |
| 30-59 years old               |                |                     |                     |                     |                     |                     |         |
| No. events(%)                | 189(11.6)      | 174(11.9)           | 368(12.6)           | 358(16.8)           | 1146(15.8)          |                     | <0.001  |
| Model 1                       | 1.00(Ref)      | 1.03(0.83,1.28)     | 1.11(0.92,1.33)     | 1.55(1.28,1.87)     | 1.43(1.22,1.69)     |                     |         |
| Model 6                       | 1.00(Ref)      | 1.03(0.82,1.29)     | 1.08(0.89,1.31)     | 1.42(1.17,1.73)     | 1.27(1.08,1.51)     |                     | <0.001  |
| Model 7                       | 1.00(Ref)      | 1.05(0.82,1.33)     | 1.12(0.91,1.38)     | 1.48(1.20,1.83)     | 1.22(1.02,1.47)     |                     | 0.008   |
| 60-79 years old               |                |                     |                     |                     |                     |                     |         |
| No. events(%)                | 158(14.8)      | 80(15.8)            | 113(16.2)           | 87(17.7)            | 314(16.1)           |                     |         |
| Model  |  |  |  |  |  |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|---|---|---|---|---|
| 1.00(Ref) | 1.08(0.80,1.44) | 1.11(0.85,1.44) | 1.24(0.93,1.64) | 1.10(0.90,1.36) | 1.02(0.98,1.08) | 0.338 |
| 1.06(Ref) | 1.06(0.79,1.42) | 1.06(0.81,1.38) | 1.16(0.87,1.55) | 1.07(0.87,1.32) | 1.02(0.97,1.07) | 0.512 |
| 1.00(Ref) | 0.98(0.72,1.34) | 1.02(0.77,1.35) | 1.08(0.80,1.47) | 1.01(0.81,1.26) | 1.01(0.95,1.06) | 0.864 |

Model 1: crude model without adjustment; Model 2: adjusted for age, sex, educational level, marital status, annual family income; Model 3: adjusted for Model 2 plus smoking status, alcohol consumption, physical activity, DASH score, BMI, total energy intake, hypertension, type 2 diabetes mellitus and dyslipidemia status; Model 4: adjusted for Model 2 minus sex; Model 5: adjusted for Model 3 minus sex; Model 6: adjusted for Model 2 minus age; Model 7: adjusted for Model 3 minus age.