Table S1. Logistic regression analysis of TXNIP and diabetes after classifying by IRAK-M level.

| IRAK-M             | Model       | NGT      | PD-A       | PD-B       | T2D       |
|--------------------|-------------|----------|------------|------------|-----------|
| <3.76 ng/mL        | Unadjusted  | Ref.     | 2.61(1.41,4.86) | 0.002*     | 5.86(3.12,10.98) | <0.001* | 10.29(3.93,26.99) | <0.001* |
|                    | Model 1     | Ref.     | 3.10(1.54,6.23) | 0.001*     | 6.70(3.03,14.83) | <0.001* | 16.01(2.02,50.12) | 0.021*  |
|                    | Model 2     | Ref.     | 3.55(1.47,8.55) | 0.005*     | 6.38(2.55,15.93) | <0.001* | 17.63(2.46,83.26) | 0.036*  |
| ≥3.76 ng/mL        | Unadjusted  | Ref.     | 8.78(3.63,21.25) | <0.001*    | 1.58(0.84,2.97)  | 0.160   | -                | -       |
|                    | Model 1     | Ref.     | 22.15(3.47,67.02) | 0.008*     | 2.13(0.94,4.81)  | 0.069   | -                | -       |
|                    | Model 2     | Ref.     | 25.86(4.02,71.20) | 0.012*     | 2.27(0.92,5.57)  | 0.074   | -                | -       |

NGT, normal control; PD-A, prediabetes A; PD-B, prediabetes B; T2D, type 2 diabetes. *p< 0.05.

Logistic model 1: adjustment for age, gender, SBP, DBP, BMI, WC, WHR, and hypertension.

Logistic model 2: adjustment for age, gender, SBP, DBP, BMI, WC, WHR, hypertension, TG, LDL, ALT, AST, UA, and IRAK-M/or TXNIP.