SUPPLEMENTARY TABLES

Supplementary Table 1. Comparision of clinical data and biochemical indicators between T2DM and health controls, *P<0.05 represents that the difference was statistically significant.

| Index              | T2DM (n=96) | Controls (n=68) | t or Z or $X^2$ | $P$   |
|--------------------|-------------|-----------------|-----------------|-------|
| Age(years)         | 50.05±11.31 | 48.41±12.13     | 0.888           | 0.376 |
| Education(years)   | 11.55±3.07  | 11.12±2.76      | 5.732           | 0.677 |
| Sex(man/woman)     | 54/42       | 29/39           | 2.947           | 0.086 |
| BMI(kg/m$^2$)      | 24.93±4.13  | 24.87±3.05      | 0.091           | 0.927 |
| TC(mmol/L)         | 4.98±0.98   | 4.64±1.00       | 2.129           | 0.035*|
| TG(mmol/L)         | 2.26±1.31   | 1.88±1.84       | 1.530           | 0.128 |
| HDL(mmol/L)        | 1.00±0.29   | 1.07±0.23       | -1.713          | 0.089 |
| LDL(mmol/L)        | 3.16±0.88   | 3.04±0.65       | 0.922           | 0.358 |
| FPG(mmol/L)        | 8.41±3.18   | 4.85±0.46       | 10.799          | 0.000*|
| HbA1c(%)           | 7.74±2.83   | 4.80±0.54       | 9.952           | 0.000*|

Supplementary Table 2. Comparision of serum S100B levels between T2DM and health controls, *P<0.05 represents that the difference was statistically significant.

| Index     | T2DM (n=96) | Controls (n=68) | $t$  | $P$   |
|-----------|-------------|-----------------|------|-------|
| S100B(ug/L) | 0.139±0.039 | 0.344±0.086     | -18.452 | 0.000*|

Supplementary Table 3. Comparision of cognitive status between T2DM and health controls, *P<0.05 represents that the difference was statistically significant.

| Index           | T2DM (n=96) | Controls (n=68) | T or Z | $P$   |
|-----------------|-------------|-----------------|--------|-------|
| Immediate memory | 85.03±17.71 | 91.56±16.76     | -2.378 | 0.019*|
| Visuospatial    | 86.30±15.78 | 93.21±13.06     | -2.935 | 0.004*|
| Language        | 100.47±9.16 | 101.25±9.09     | -0.540 | 0.590 |
| Attention       | 101.76±16.88 | 102.51±16.81   | -0.282 | 0.778 |
| Delayed memory  | 94.07±11.42 | 97.590.46       | -2.010 | 0.046*|
| Total score     | 91.49±13.93 | 95.88±12.76     | -2.059 | 0.041*|