**Supplementary Table 2 DNA methylation status of AIT patients in different thyroid antibodies groups (mean±SD)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | YWHAG\_1 | ING4\_1 | BRSK2\_1 | GJA1\_1 |
| i-TPOAb(+) | 0.598±0.042 | 0.973±0.002 | 0.459±0.129 | 0.387±0.078 |
| i-TGAb(+) | 0.602±0.037 | 0.973±0.003 | 0.402±0.157 | 0.388±0.086 |
| TPOAb(+)&TGAb(+) | 0.604±0.043 | 0.973±0.003 | 0.404±0.136 | 0.395±0.094 |
| *P*-value | 0.783 | 0.445 | **0.039**\* | 0.876 |
| TPOAb titer |  |  |  |  |
| Level 1 | 0.597±0.045 | 0.974±0.003 | 0.383±0.137 | 0.373±0.080 |
| Level 2 | 0.597±0.041 | 0.974±0.003 | 0.429±0.139 | 0.364±0.102 |
| Level 3 | 0.605±0.041 | 0.972±0.002 | 0.436±0.131 | 0.402±0.086 |
| *P*-value | 0.598 | **0.045**\* | **0.033**\* | 0.102 |
| TGAb titer |  |  |  |  |
| Level 1 | 0.604±0.047 | 0.973±0.003 | 0.384±0.161 | 0.379±0.081 |
| Level 2 | 0.603±0.044 | 0.974±0.003 | 0.416±0.134 | 0.380±0.077 |
| Level 3 | 0.602±0.044 | 0.974±0.002 | 0.415±0.134 | 0.380±0.076 |
| *P*-value | 0.832 | 0.063 | 0.275 | 0.802 |

i-TPOAb(+), isolated positive TPOAb; i-TGAb(+), isolated positive TGAb; TPOAb(+)&TGAb(+), double positive TPOAb and TGAb TPOAb: level 1: 34 IU/mL ≤TPOAb <200 IU/mL; level 2: 200 IU/mL ≤TPOAb <400 IU/mL; and level 3: TPOAb ≥400 IU/mL. TGAb: level 1: 115IU/mL ≤TGAb <200 IU/mL; level 2: 200 IU/mL ≤TGAb <400 IU/mL; and level 3: TGAb≥400 IU/mL. \* *P*<0.05.