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| **Supplemental Table 2.** Ancestries frequency included in the elderly cohort.  |
| Classification criteria | Group | N |  Avarage frequency of ancestries (%) |
| EUR | AFR | NAM | EAS |
| T2DM presence | T2DM | 260 | 0*.*69 | 0*.*21 | 0*.*04 | 0*.*07 |
| non-T2DM | 763 | 0*.*74 | 0*.*17 | 0*.*03 | 0*.*07 |
| *P*-value\*  |   |   | **0*.*020** | 0*.*057 | 0*.*242 | 0*.*996 |
| Obesity Status | non-obese | 704 | 0*.*73 | 0*.*17 | 0*.*04 | 0*.*07 |
| obese | 319 | 0*.*72 | 0*.*19 | 0*.*02 | 0*.*07 |
| *P*-value\*  |   |   | 0*.*639 | 0*.*122 | 0*.*272 | 0*.*780 |
| BMI status | Normal weight | 280 | 0*.*72 | 0*.*16 | 0*.*06 | 0*.*07 |
| overweight | 424 | 0*.*73 | 0*.*18 | 0*.*02 | 0*.*07 |
| obesity | 319 | 0*.*72 | 0*.*19 | 0*.*02 | 0*.*07 |
| *P*-value\*\*  |   |   | 0*.*890 | 0*.*077 | 0*.*361 | 0*.*946 |
| Genotype | CC | 476 | 0*.*70 | 0*.*18 | 0*.*05 | 0*.*07 |
| CT | 454 | 0*.*75 | 0*.*18 | 0*.*01 | 0*.*07 |
| TT | 93 | 0*.*78 | 0*.*17 | 0*.*00 | 0*.*06 |
| *P*-value\*  |   |   | **0*.*007** | 0*.*667 | 0*.*060 | 0*.*120 |
| Genetic Model | CC+CT  | 930 | 0*.*72 | 0*.*18 | 0*.*03 | 0*.*07 |
| TT | 93 | 0*.*78 | 0*.*17 | 0*.*00 | 0*.*06 |
| *P*-value\*  |   |   | 0*.*060 | 0*.*454 | 0*.*958 | 0*.*066 |
| Total Population |   | 1023 | 0*.*73 | 0*.*18 | 0*.*03 | 0*.*07 |
| \*Mann-whitney test \*\*Kruskall-Wallis testAncestries abbreviation: EUR. European; AFR. African; NAM. Native American; EAS. East Asia |