|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Supplementary Table 2. Leisure-time exercise behavior (≥4 MET・h/w of leisure-time physical activity)-associated SNPs in in discovery samples (J-MICC study, N=6,749), replication samples (HERPACC study, N=1,129), and combined samples (N=7,878) adjusted for age, sex, and site in older half subjects (age > 56y). | | | | | | | | | | | | |
| SNP | Chrb | Positionc | Gene(s) | EAd | NEAe | Population | Rsqf | AFg | Betah | SE(Beta)i | *P* | *I*2 |
| rs187522732 | 2 | 156,864,816 | *KCNJ3–NR4A2* | A | T | J-MICC | 0.872 | 0.023 | 0.1297 | 0.0231 | 1.9×10-8 | – |
|  |  |  |  |  |  | HERPACC | 0.783 | 0.012 | -0.0320 | 0.0687 | 0.64 | – |
|  |  |  |  |  |  | Meta-analysis | – | 0.022 | 0.1133 | 0.0219 | 2.3×10-7 | 79.9 |
| 10:120175179 | 10 | 120,175,179 | *FAM204A–PRLHR* | <CNV>j | G | J-MICC | 0.908 | 0.014 | 0.1471 | 0.0289 | 3.5×10-7 | – |
|  |  |  |  |  |  | HERPACC | 0.802 | 0.012 | 0.1138 | 0.0725 | 0.12 | – |
|  |  |  |  |  |  | Meta-analysis | – | 0.014 | 0.1425 | 0.0268 | 1.1×10-7 | 0.0 |
| rs563316848 | 6 | 152,107,810 | *ESR1* | CTT | CT | J-MICC | 0.835 | 0.46 | 0.036 | 0.0072 | 4.9×10-7 | – |
|  |  |  |  |  |  | HERPACC | 0.814 | 0.439 | -0.0047 | 0.0153 | 0.76 | – |
|  |  |  |  |  |  | Meta-analysis | – | 0.456 | 0.0286 | 0.0065 | 1.1×10-5 | 82.8 |
| rs11350613 | 13 | 80,190,069 | *NDFIP2–SPRY2* | CT | C | J-MICC | 0.948 | 0.464 | 0.0332 | 0.0067 | 6.3×10-7 | – |
|  |  |  |  |  |  | HERPACC | 0.927 | 0.488 | 0.0037 | 0.0150 | 0.81 | – |
|  |  |  |  |  |  | Meta-analysis | **–** | 0.468 | 0.0283 | 0.0061 | 3.8×10-6 | 69.1 |
| aThese SNPs were directly genotyped; bChromosome; cChromosomal position (GRCh37/hg19); dEffect allele; eNon-effect allele; fInputation quality in terms of R-squared calculated by the Minimac3 software version 1.0.11; gAllele frequency of effect allele; hEffect size; iStandard error of effect size; jCopy number variation | | | | | | | | | | | | |