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| Supplementary Table 1. Leisure-time exercise behavior (≥4 MET・h/w of leisure-time physical activity)-associated SNPs in in discovery samples (J-MICC study, N=13,980), replication samples (HERPACC study, N=2,036), and combined samples (N=16,016) adjusted for age, sex, site, and BMI. |
| SNP | Chrb | Positionc | Gene(s) | EAd | NEAe | Population | Rsqf | AFg | Betah | SE(Beta)i | *P* | *I*2 |
| **rs10252228a** | **7** | **34,940,039**  | ***NPSR1–DPY19L1*** | **G** | **A** | **J-MICC** | **0.995** | **0.213** | **0.0267** | **0.0048** | **2.9×10-8** | – |
|  |  |  |  |  |  | **HERPACC** | **0.598** | **0.175** | **0.0271** | **0.0133** | **0.04**  | – |
| 　 | 　 | 　 |  | 　 | 　 | **Meta-analysis** | **–** | **0.209** | **0.0267** | **0.0045** | **3.2×10-9** | 0.0 |
| rs187522732 | 2 | 156,864,816  | *KCNJ3–NR4A2* | A | T | J-MICC | 0.872 | 0.021 | 0.0712 | 0.0145 | 9.2×10-7 | – |
|  |  |  |  |  |  | HERPACC | 0.783 | 0.014 | 0.0272 | 0.0440 | 0.54  | – |
| 　 | 　 | 　 |  | 　 | 　 | Meta-analysis | – | 0.020 | 0.0669 | 0.0138 | 1.2×10-6 | 0.0 |
| 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 variationResults in bold showed a consistent association in discovery and replication samples. |