**Table S10. Results of aggregated bioinformatic analyses of associations between GWAS SNPs and the risk of uterine fibroids**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| № | SNP | Phenotype | *p*-value | Beta (OR) | Sample size |
|  | rs66998222  *LOC102723323* | Uterine fibroids | 2.29×10-8 | OR ▼0.9324 | 244 324 |
|  | Uterine fibroids and heavy menstrual bleeding | 0.0073 | OR ▼0.9988 | 13 406 |
|  | Heavy menstrual bleeding | 0.0079 | OR ▼0.9976 | 37 507 |
|  | Body mass index (BMI) | 0.01705 | Beta▼-0.0051 | 1 587 250 |
|  | Age at menarche | 0.0432 | Beta▲0.0110 | 329 345 |
|  | rs11031731  *THEM7P, WT1* | Uterine fibroids | 2.04×10-21 | OR ▲1.1379 | 244 324 |
|  | Uterine fibroids and heavy menstrual bleeding | 0.00049 | OR ▲1.0017 | 13 406 |
|  | Age at natural menopause (ANM) | 0.01182 | Beta▼-0.0109 | 244 171 |
|  | BMI | 0.034 | Beta▲0.0047 | 3 600 790 |
|  | rs641760  *PITPNM2* | ANM | 4.42×10-19 | Beta▲0.0330 | 245 183 |
|  | Uterine fibroids | 7.64×10-9 | OR ▲1.0726 | 244 324 |
|  | Age at menarche | 0.003003 | Beta▲0.0142 | 396 374 |
|  | Heavy menstrual bleeding | 0.0092 | OR ▲1.0023 | 37 507 |
|  | Uterine fibroids and heavy menstrual bleeding | 0.018 | OR ▲1.0010 | 13 406 |
|  | rs2553772 *LOC105376626* | Uterine fibroids | 1.20×10-8 | OR ▲1.0579 | 244 324 |
|  | Uterine fibroids and heavy menstrual bleeding | 0.00057 | OR ▲1.0012 | 13 406 |
|  | Heavy menstrual bleeding | 0.0039 | OR ▲1.0021 | 37 507 |
|  | rs1986649  *FOXO1* | Uterine fibroids | 1.07×10-11 | OR ▲1.0855 | 244 324 |
|  | Uterine fibroids and heavy menstrual bleeding | 0.00087 | OR ▲1.0015 | 13 406 |
|  | BMI | 0.001943 | Beta▼-0.0059 | 3 982 710 |
|  | ANM | 0.00285 | Beta▲0.0117 | 244 171 |
|  | Heavy menstrual bleeding | 0.017 | OR ▲1.0021 | 37 507 |
|  | Age at menarche | 0.04813 | Beta ▼-0.0111 | 396 374 |

Data obtained using the bioinformatic resource Reproductive System Knowledge Portal https://reproductive.hugeamp.org/. Effect alleles are marked in bold. GWAS, genome-wide association studies; OR, odds ratio; SNP, single nucleotide polymorphism.