**S7 Table:** Observed average |iHS| scores and permutation P-values for each set of Female SexDiff-associated SNPs and Male SexDiff-associated SNPs permuted against phenotype-associated SNPs.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Phenotype | Female | | | | Male | | | |
| #SNPsa | |iHS| | P-value to phenotype-associated SNPsc | FDR | #SNPsa | |iHS| | P-value to phenotype-associated SNPsc | FDR |
| Height | 20 | 0.6586 | 0.7989 | 0.989 | 25 | 0.7822 | 0.4291 | 0.989 |
| Body mass | 11 | 0.6705 | 0.8368 | 0.989 | 12 | 0.8284 | 0.5659 | 0.989 |
| Hip circumference | 13 | 0.6547 | 0.8333 | 0.989 | 15 | 0.4975 | 0.9890 | 0.989 |
| Body fat percentage | 8 | 0.9729 | 0.3266 | 0.989 | 18 | 0.6570 | 0.9321 | 0.989 |
| Waist circumference | 13 | 1.1015 | 0.0770 | 0.770 | 13 | 0.7548 | 0.6384 | 0.989 |

aNumber of pruned SexDiff-associated SNPs at an FDR threshold of 0.001 bAverage |iHS| score of pruned set of SexDiff-associated SNPs cPermutation P-value of the probability that the |iHS| score for each sex could be observed by chance when compared to phenotype-associated SNPs