

Supplementary Table 2. Detailed information of the GWAS data used in this study.

Phenotype	Participants included in analysis	Ancestry	Measurement	Source	PMID
<b><i>Exposures</i></b>					
Self-reported sleep duration	446,118 individuals	European	Self-reported	UK Biobank	30846698
Self-reported short duration	106,192 cases ( $\leq 6$ h) vs. 305,742 controls	European	Self-reported	UK Biobank	30846698
Self-reported long duration	34,184 cases ( $\geq 9$ h) vs. 305,742 controls	European	Self-reported	UK Biobank	30846698
Insomnia	129,270 cases (frequent insomnia) vs. 108,357 controls	European	Self-reported	UK Biobank	30804566
Chronotype	252,287 cases (morning chronotype) vs. 150,908 controls	European	Self-reported	UK Biobank	30696823
Daytime sleepiness	452,071 individuals	European	Self-reported	UK Biobank	31409809
Daytime napping	452,633 individuals	European	Self-reported	UK Biobank	33568662
Accelerometer-based sleep duration	84,810 individuals	European	Accelerometer	UK Biobank	30952852
L5 timing	85,205 individuals	European	Accelerometer	UK Biobank	30952852
Sleep efficiency	84,810 individuals	European	Accelerometer	UK Biobank	30952852
Number of sleep episodes	84,441 individuals	European	Accelerometer	UK Biobank	30952852
<b><i>Outcome</i></b>					
Diabetic nephropathy	4,111 cases vs. 308,539 controls	European	/	FinnGen	36653562