Additional data file 4. Resampling results with SNP-matched random gene sets.

Gene set	N genes[a]	N SNPs[b]	N significant genes[c]	Median number of sample SNPs[d]	Empirical p value[e]
Core circadian	12	175	7	172	0.044
Circadian hits (RNAi screen)	223	3863	40	3853	0.021
Mouse circadian/sleep disturbance	82	2588	23	2609	0.046
Mendelian diseases causing sleep disturbance	11	562	7	554	0.029
Melanopisn signaling	13	575	7	583	0.406
All (merging of the 5 sets)	341	7763	52	7897	0.040

[a] Number of genes with at least one SNP genotyped in the study set
[b] Number of SNPs in the study set
[c] Number of genes in the study set showing at least one SNP significantly correlated with photoperiod variation
[d] Median number of SNPs in the random sets
[e] Empirical p value calculated as described in the text and Supplementary Text S1.