

Figure S1 MR analysis of insomnia on thyroid cancer. (A) Scatter plot estimating causal effects of insomnia on thyroid cancer. (B) Funnel plot estimating causal effects of insomnia on thyroid cancer. (C) Leave-one-out plots estimating causal effects of insomnia on thyroid cancer. MR, Mendelian randomization.

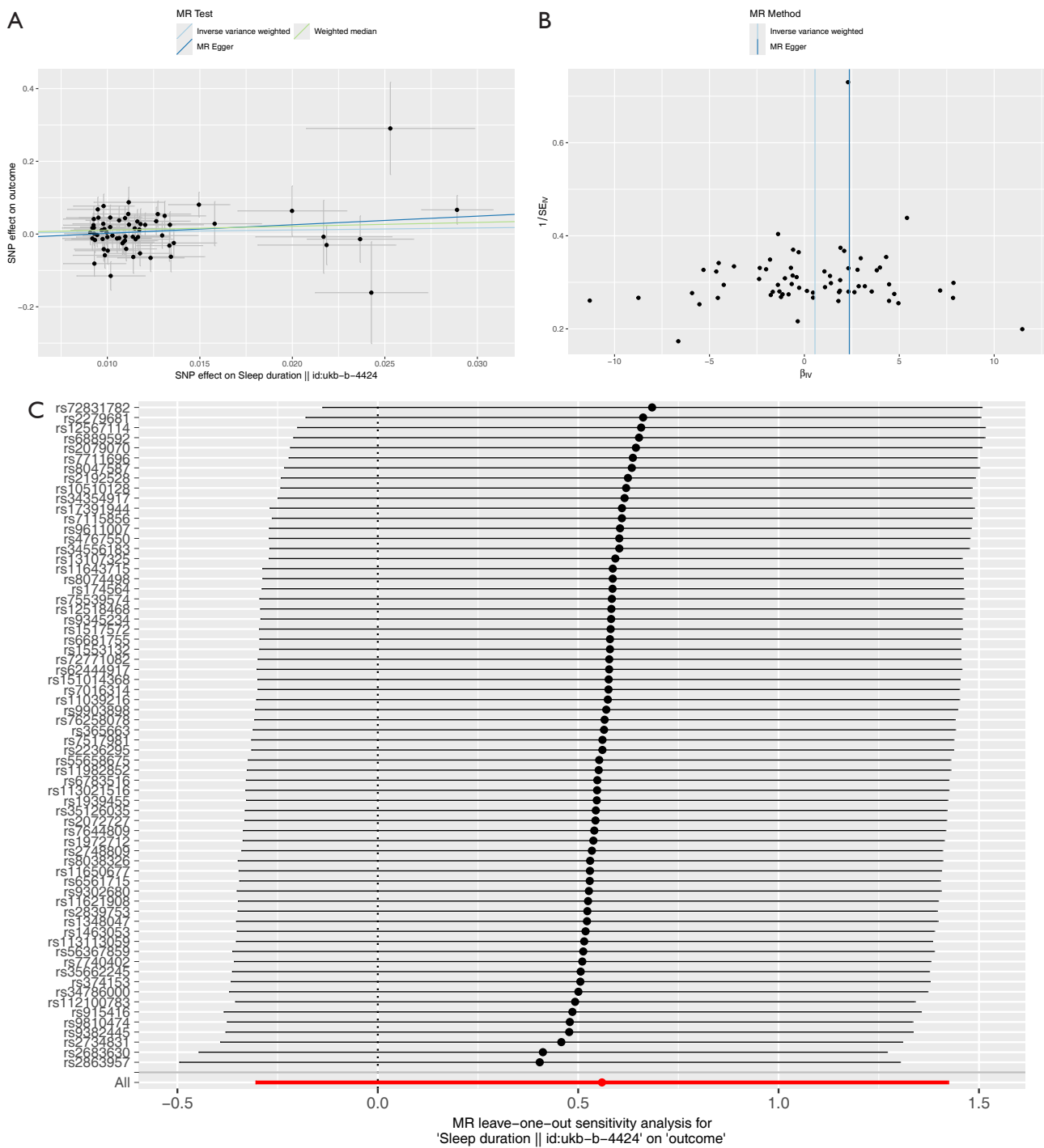


Figure S2 MR analysis of chronotype on thyroid cancer. (A) Scatter plot estimating causal effects of chronotype on thyroid cancer. (B) Funnel plot estimating causal effects of chronotype on thyroid cancer. (C) Leave-one-out plots estimating causal effects of chronotype on thyroid cancer. MR, Mendelian randomization.

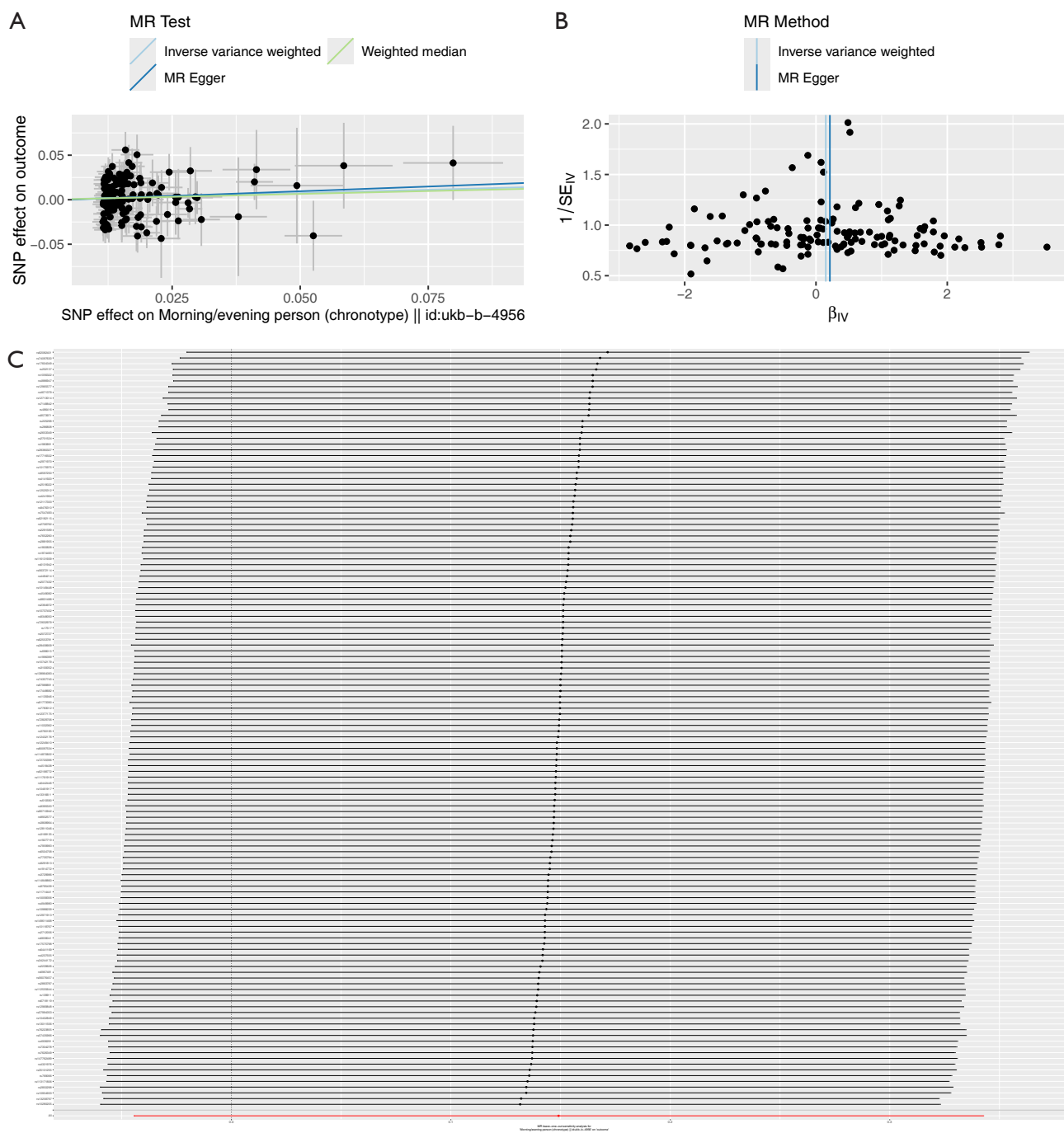


Figure S3 MR analysis of chronotype on TNs. (A) Scatter plot estimating causal effects of chronotype on TNs. (B) Funnel plot estimating causal effects of chronotype on TNs. (C) Leave-one-out plots estimating causal effects of chronotype on TNs. MR, Mendelian randomization; TN, thyroid nodule.

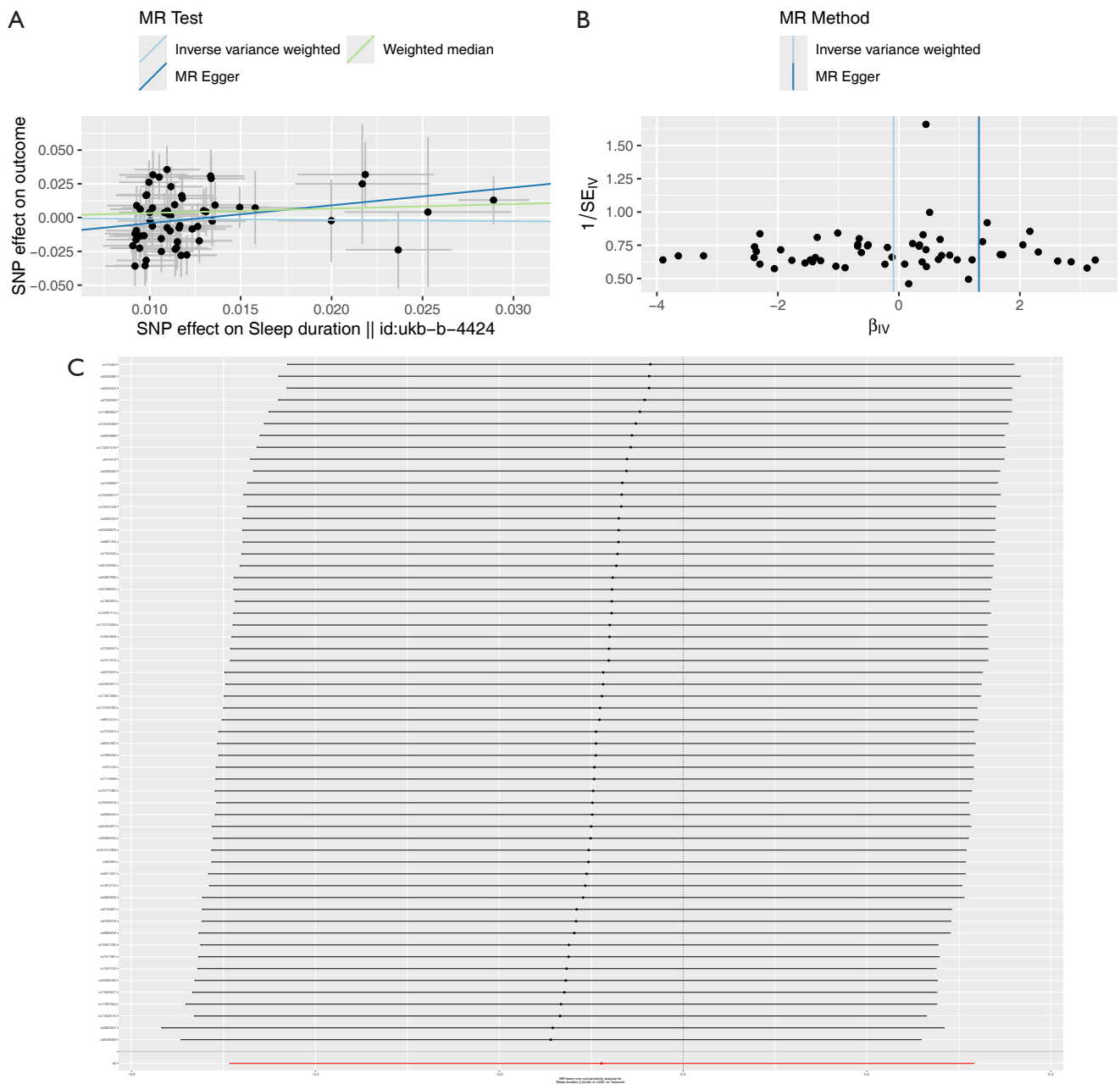


Figure S4 MR analysis of sleep duration on TNs. (A) Scatter plot estimating causal effects of sleep duration on TNs. (B) Funnel plot estimating causal effects of sleep duration on TNs. (C) Leave-one-out plots estimating causal effects of sleep duration on TNs. MR, Mendelian randomization; TN, thyroid nodule.

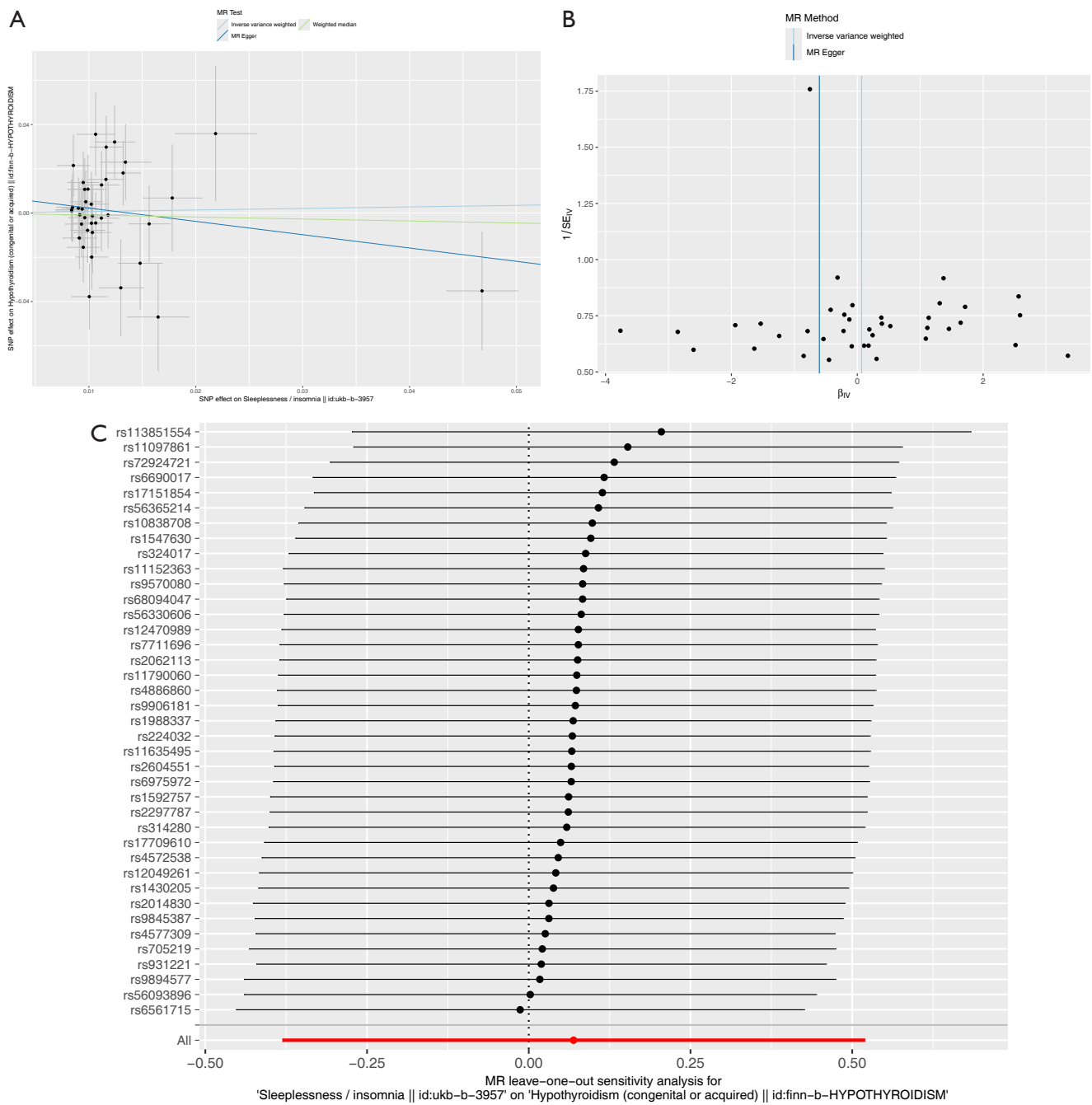


Figure S5 MR analysis of insomnia on hypothyroidism. (A) Scatter plot estimating causal effects of insomnia on hypothyroidism. (B) Funnel plot estimating causal effects of insomnia on hypothyroidism. (C) Leave-one-out plots estimating causal effects of insomnia on hypothyroidism. MR, Mendelian randomization.

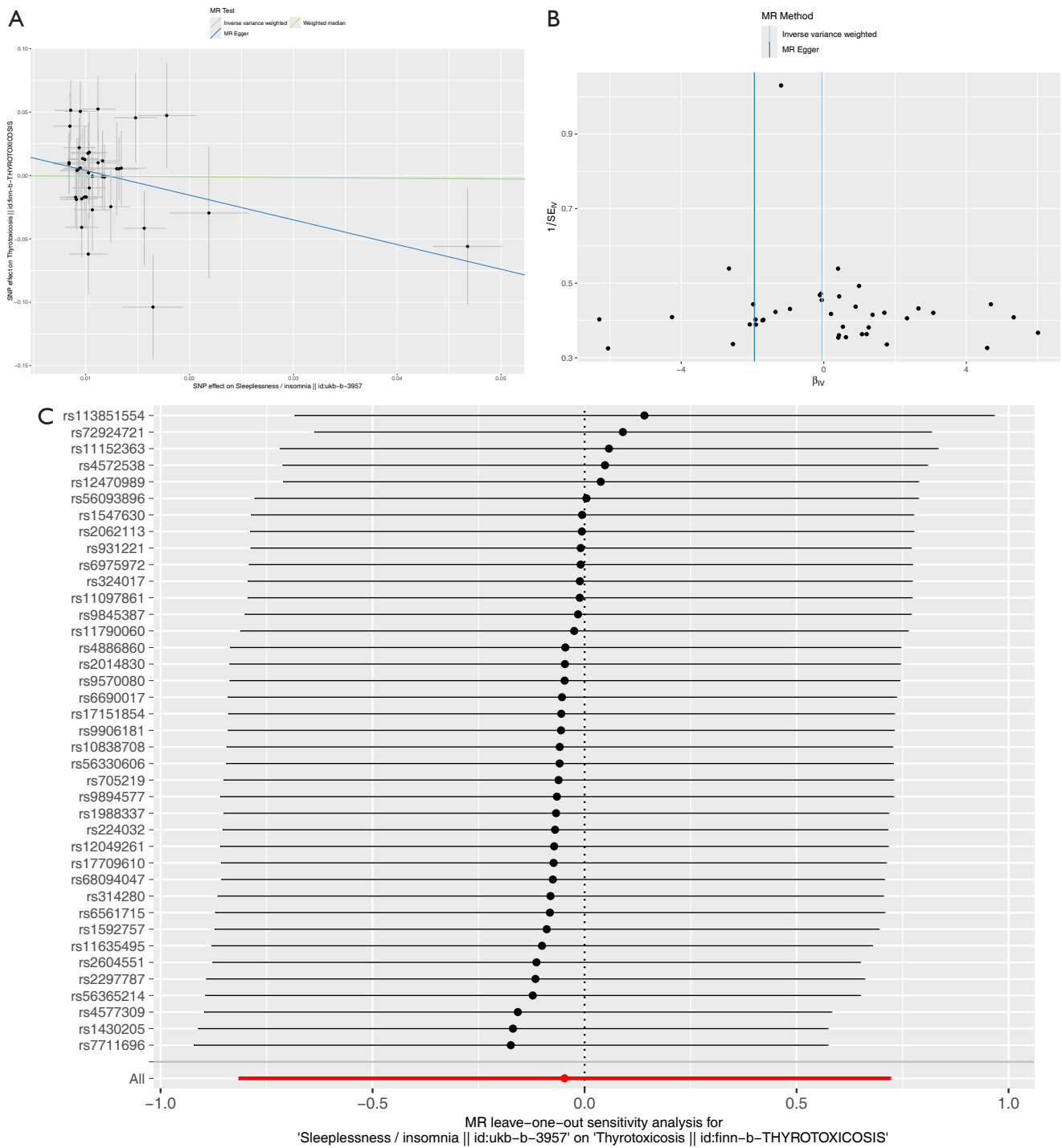


Figure S6 MR analysis of insomnia on hyperthyroidism. (A) Scatter plot estimating causal effects of insomnia on hyperthyroidism. (B) Funnel plot estimating causal effects of insomnia on hyperthyroidism. (C) Leave-one-out plots estimating causal effects of insomnia on hyperthyroidism. MR, Mendelian randomization.

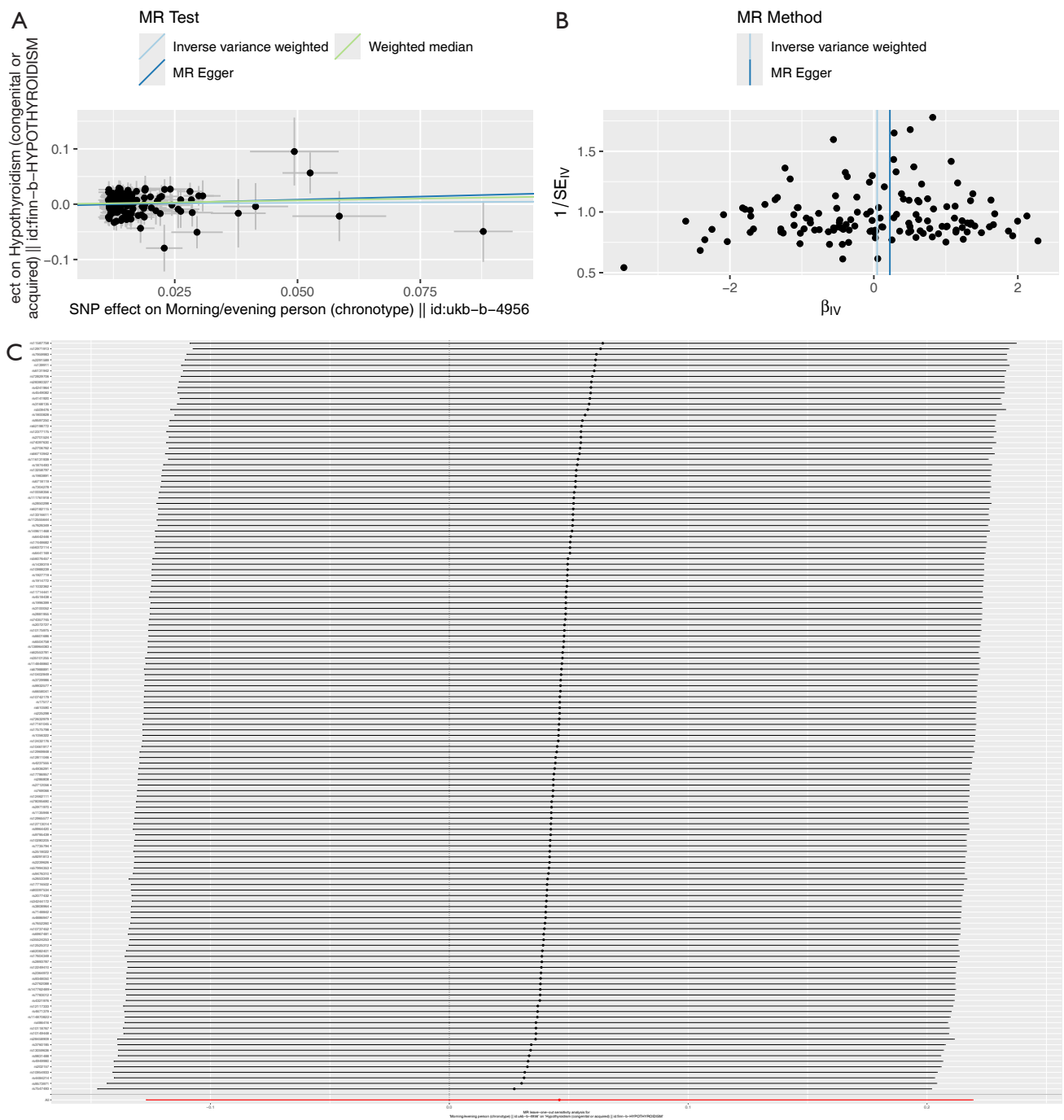


Figure S7 MR analysis of chronotype on hypothyroidism. (A) Scatter plot estimating causal effects of chronotype on hypothyroidism. (B) Funnel plot estimating causal effects of chronotype on hypothyroidism. (C) Leave-one-out plots estimating causal effects of chronotype on hypothyroidism. MR, Mendelian randomization.

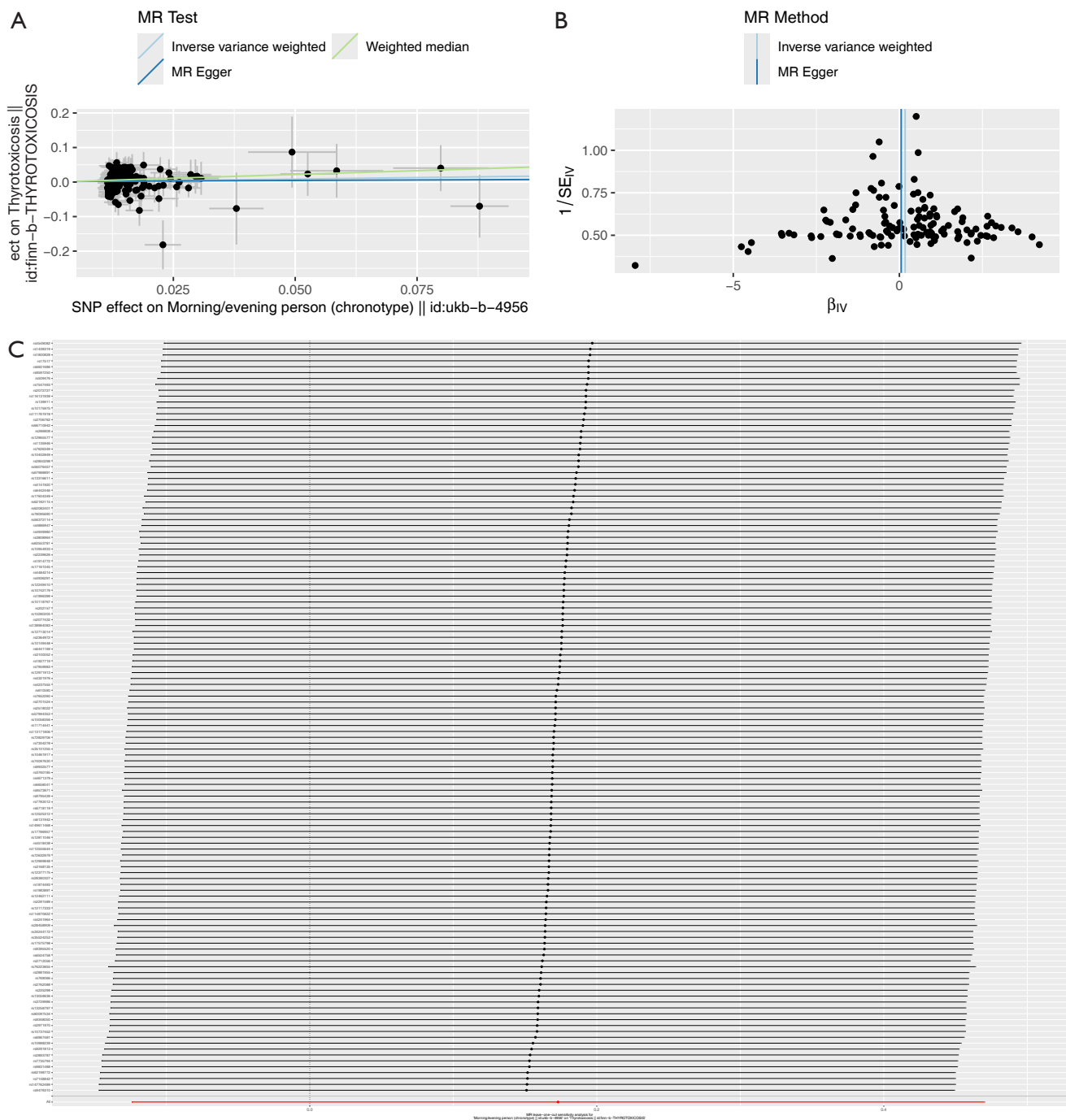


Figure S8 MR analysis of chronotype on hyperthyroidism. (A) Scatter plot estimating causal effects of chronotype on hyperthyroidism. (B) Funnel plot estimating causal effects of chronotype on hyperthyroidism. (C) Leave-one-out plots estimating causal effects of chronotype on hyperthyroidism. MR, Mendelian randomization.

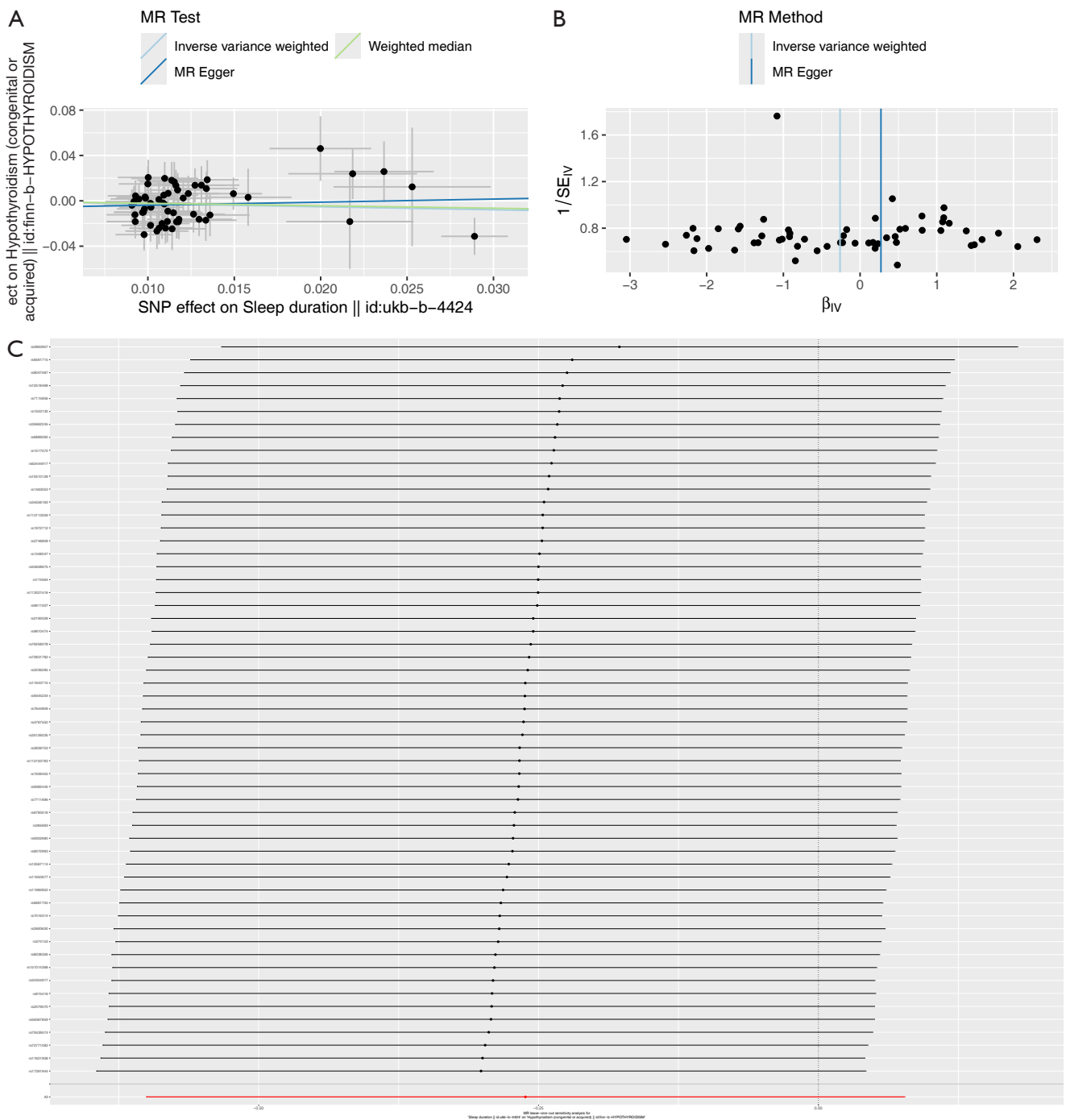


Figure S9 MR analysis of sleep duration on hypothyroidism. (A) Scatter plot estimating causal effects of sleep duration on hypothyroidism. (B) Funnel plot estimating causal effects of sleep duration on hypothyroidism. (C) Leave-one-out plots estimating causal effects of sleep duration on hypothyroidism. MR, Mendelian randomization.

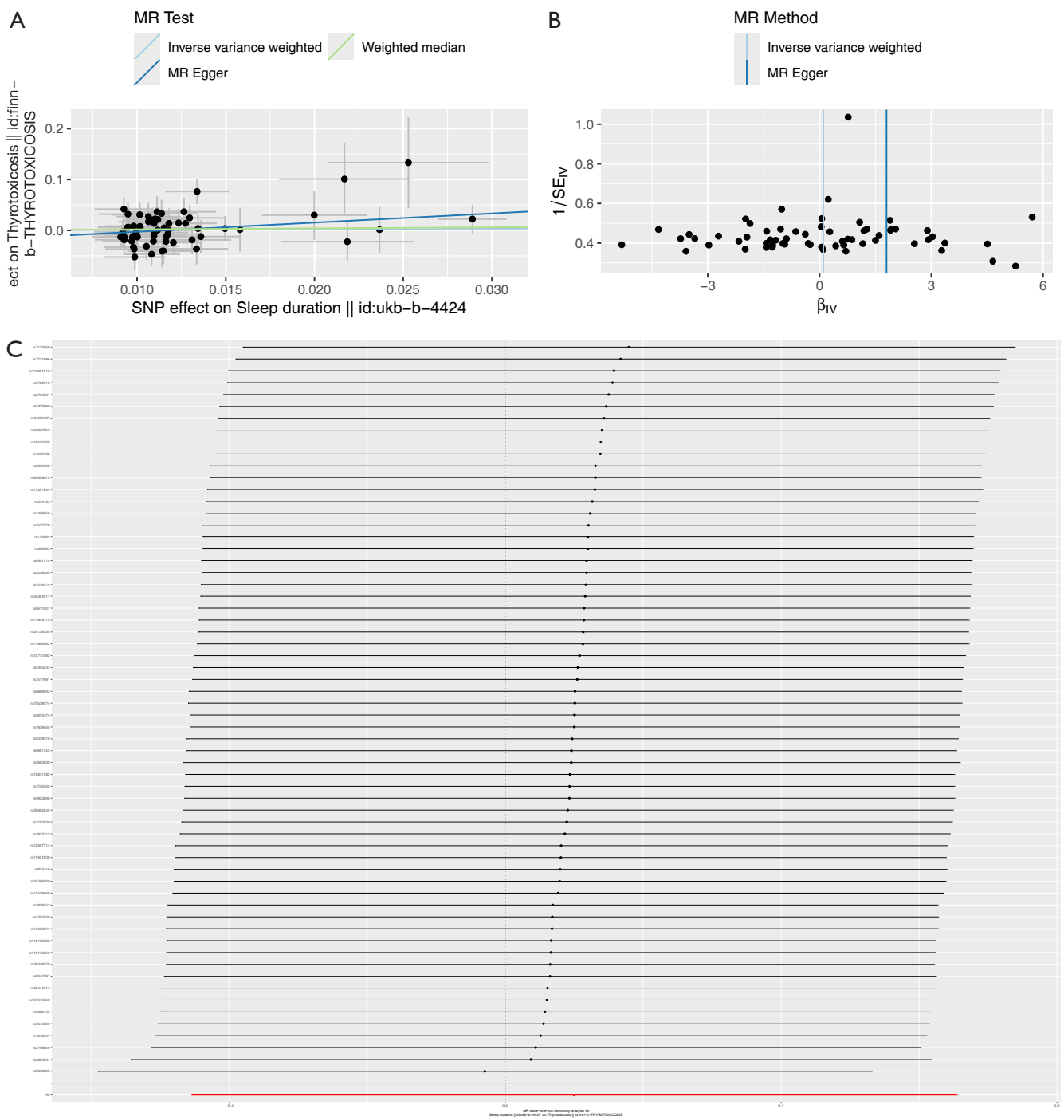


Figure S10 MR analysis of sleep duration on hyperthyroidism. (A) Scatter plot estimating causal effects of sleep duration on hyperthyroidism. (B) Funnel plot estimating causal effects of sleep duration on hyperthyroidism. (C) Leave-one-out plots estimating causal effects of sleep duration on hyperthyroidism. MR, Mendelian randomization.