

Table S11. Association of the genetic variants comprising the instrumental variable for morning plasma cortisol used in the Mendelian randomization analyses with potential confounders included in multivariable regression models in the VIP, MONICA and MSP cohort

	Age, years (95% CI)	Sex (95% CI)	Survey date, days (95% CI)	Cohort (95% CI)	BMI (95% CI)	Sampling time, minutes (95% CI)	Smoking (95% CI)
rs12589136	-0.27 (-0.81 to 0.28)	-0.08 (-0.23 to 0.08)	21.69 (-40.08 to 83.46)	0.04 (-0.04 to 0.11)	-0.20 (-0.47 to 0.06)	-1.76 (-11.91 to 8.39)	0.10 (-0.06 to 0.26)
rs2749529	-0.20 (-0.63 to 0.24)	-0.03 (-0.15 to 0.10)	29.90 (-18.91 to 78.71)	0.05 (-0.02 to 0.11)	-0.02 (-0.23 to 0.19)	-0.31 (-8.61 to 7.98)	0.06 (-0.07 to 0.19)
rs11621961	0.05 (-0.40 to 0.49)	0.01 (-0.11 to 0.14)	26.95 (-23.54 to 77.43)	-0.03 (-0.09 to 0.03)	-0.03 (-0.24 to 0.19)	-5.77 (-14.15 to 2.60)	-0.03 (-0.16 to 0.11)
Fixed-effects (IV pooled ES)	-0.13 (-0.39 to 0.14)	-0.02 (-0.10 to 0.05)	26.82 (-3.69 to 57.33)	0.02 (-0.02 to 0.06)	-0.07 (-0.20 to 0.06)	-2.70 (-7.80 to 2.40)	0.04 (-0.04 to 0.12)
Random-effects (D+L pooled ES)	-0.13 (-0.39 to 0.14)	-0.02 (-0.10 to 0.05)	26.82 (-3.69 to 57.33)	0.02 (-0.03 to 0.07)	-0.07 (-0.20 to 0.06)	-2.70 (-7.80 to 2.40)	0.04 (-0.04 to 0.12)

CI, confidence interval; IV, inverse variance; ES, effect size; D+L, DerSimonian and Laird. Effect estimates are the difference in means per allele associated with higher morning plasma cortisol