

## Data supplement

**Table DS1** The associations between oestrogen receptor polymorphisms and mild depressive symptoms (Centre for Epidemiology Studies – Depression Scale  $\geq 16$ ) in 3525 women<sup>a</sup>

Polymorphism and genotype	Women	
	OR (95% CI) <sup>b</sup>	P
ER- $\alpha$ rs2234693		
TT	1	
CT	1.08 (0.90–1.30)	0.39
CC	1.04 (0.82–1.30)	0.76
ER- $\alpha$ rs9340799		
AA	1	
GA	1.11 (0.94–1.32)	0.22
GG	1.05 (0.80–1.36)	0.74
ER- $\beta$ rs1256049		
GG	1	
GA or AA	1.28 (0.97–1.70)	0.09
ER- $\beta$ rs4986938		
GG	1	
GA	1.10 (0.92–1.30)	0.30
AA	1.01 (0.79–1.30)	0.93
ER- $\beta$ rs1271572		
GG	1	
TG	1.12 (0.94–1.34)	0.22
TT	0.86 (0.67–1.09)	0.21

ER- $\alpha$ , oestrogen receptor  $\alpha$ ; ER- $\beta$ , oestrogen receptor  $\beta$ .

a. Of whom 964 had mild depression.

b. Adjusted for age, education, centre, marital status, physical limitations, cognitive impairment, current medications, comorbidity, insomnia and previous major depressive disorder.