

**Supplementary Table S1** Relationship of *FMR1* allele length with early menopause in matched cases and controls (*n* = 3118).

Model	Variables included	OR	95% LCL	95% UCL	SE	P
Allele 1 (cont.)	Allele 1 (cont.)	1.012	0.997	1.028	0.008	0.116
Allele 1, categorical nominal	1. low	0.913	0.792	1.052	0.066	0.207
	2. medium (ref.)	ref.	ref.	ref.	ref.	ref.
	3. high	2.339	0.968	5.651	1.053	0.059
Allele 1, categorical ordinal	(1) low, (2) medium, (3) high	1.129	0.983	1.296	0.079	0.086
Allele 2 (cont.)	Allele 2 (cont.)	1.004	0.989	1.020	0.008	0.574
Allele 2, categorical nominal	1. low	0.721	0.524	0.991	0.117	<b>0.044</b>
	2. medium (ref.)	ref.	ref.	ref.	ref.	ref.
	3. high	0.963	0.790	1.174	0.097	0.712
Allele 2, categorical ordinal	(1) low, (2) medium, (3) high	1.075	0.917	1.261	0.087	0.372

The value in bold is significant at  $P < 0.05$ ; cont, continuous; LCL, lower limit of 95% confidence interval; OR, odds ratio; ref., reference category; SE, standard error; UCL, upper limit of 95% confidence interval.