

Supplementary Table 2. Sensitivity analysis from genome-wide interaction scans for red meat consumption adjusted for Body Mass Index (BMI).

SNP	Chr	Gene	Main Results model ^a		BMI-adjusted model ^b	
			OR (95% CI)	P-value GxE	OR (95% CI)	P-value GxE
rs4871179	8	<i>Downstream HAS2</i>	0.88 (0.83-0.92)	1.00E-06	0.88 (0.83-0.93)	2.74E-06
rs35352860	18	<i>SMAD7</i>	1.13 (1.06-1.20)	2.0E-8	1.13 (1.07-1.20)	5.11E-05

SNP, single nucleotide polymorphism; Chr, chromosome; OR, Odds Ratio; CI, Confidence Interval.

^a Multiplicative interaction terms were modelled as the product of red meat and each SNP of interest. Adjusted for age, sex, total energy intake (kcal/day), study, and first three principal components for population stratification.

^b BMI (as continuous variable), cross-product interaction term between BMI and red meat intake (servings/day) & cross-product interaction term between BMI and each SNP were fitted into regression model ^a.