

Supplementary Table 4 Associations of the XRCC2 SNPs with breast cancer risk in Sheffield (SBCS) study

SNPs	Heterozygote	Rare homozygote	p <sup>†</sup>	Additive		Dominant		Recessive	
	OR (95% CI)	OR (95% CI)		Per-alleleOR	p <sub>trend</sub>	OR (95% CI)	p	OR (95% CI)	p
rs3218556	0.96 (0.70-1.31)	NA*	0.5030	0.91 (0.67-1.24)	0.5027	0.93 (0.68-1.28)	0.6703	NA*	0.9692
rs3218536	0.81 (0.65-1.02)	1.56 (0.51-4.8)	0.1280	0.86 (0.7-1.06)	0.1600	0.83 (0.67-1.04)	0.0984	1.62 (0.53-4.96)	0.3994
rs3218534	0.95 (0.79-1.15)	0.93 (0.73-1.19)	0.8190	0.96 (0.86-1.09)	0.5468	0.95 (0.79-1.13)	0.5527	0.96 (0.78-1.19)	0.7077
rs3218501	0.99 (0.72-1.36)	2.02 (0.18-22.32)	0.9270	1.01 (0.74-1.37)	0.9435	1 (0.73-1.37)	0.9929	2.02 (0.18-22.34)	0.5653
rs3218499	1.00 (0.84-1.20)	1.27 (0.86-1.87)	0.4830	1.06 (0.92-1.22)	0.4479	1.03 (0.87-1.22)	0.7075	1.26 (0.86-1.85)	0.2283
rs3218455	0.96 (0.76-1.21)	0.63 (0.34-1.19)	0.3530	0.90 (0.74-1.09)	0.2764	0.92 (0.73-1.15)	0.4489	0.64 (0.34-1.2)	0.1628
rs3111465	0.89 (0.66-1.20)	1.02 (0.21-5.08)	0.7960	0.90 (0.68-1.2)	0.4828	0.89 (0.66-1.2)	0.4578	1.03 (0.21-5.13)	0.9675
rs3094406	1.12 (0.88-1.42)	1.21 (0.52-2.82)	0.6070	1.11 (0.9-1.38)	0.3242	1.12 (0.89-1.42)	0.3318	1.19 (0.51-2.77)	0.6876
rs3218408	0.91 (0.76-1.09)	<b>1.86 (1.29-2.67)</b>	<b>6.7×10<sup>-4</sup></b>	1.12 (0.97-1.28)	0.1183	1.01 (0.86-1.20)	0.8880	<b>1.92 (1.35-2.75)</b>	<b>2.3×10<sup>-4</sup></b>
rs3218400	1.18 (0.95-1.45)	1.35 (0.59-3.10)	0.2460	1.17 (0.97-1.42)	0.0972	1.18 (0.97-1.45)	0.1037	1.31 (0.57-3)	0.5246
rs2106776	1.00 (0.81-1.23)	0.98 (0.76-1.28)	0.9920	0.99 (0.87-1.13)	0.9012	0.99 (0.81-1.21)	0.9349	0.99 (0.79-1.23)	0.9018
rs3218374	1.01 (0.83-1.22)	0.95 (0.75-1.2)	0.8510	0.98 (0.87-1.1)	0.6899	0.99 (0.83-1.19)	0.9096	0.94 (0.77-1.15)	0.5712

\* NA: not applicable because that the number of case/control is 0 for this genotype.

† independence test with 2 df.