

Table S4. Associations of independent signals for breast cancer risk for BRCA1 mutation carriers

Signals	SNPs	Position (hg 19)	Alleles	EAF	LD ( $r^2$ ) <sup>§</sup>	Univariate Analysis		Conditional Analysis	
						Per-allele HR (95% CI) <sup>a</sup>	<i>P</i> trend	Per-allele HR (95% CI) <sup>b</sup>	<i>P</i> trend
Index <sup>‡</sup>	rs10771399	28155080	G*/A	0.10	-	0.86 (0.80-0.91)	3×10 <sup>-6</sup>	-	-
Top SNPs identified for women of European descents in BCAC studies									
Signal 1	rs7297051	28174817	T*/C	0.23	0.37	0.89 (0.85-0.93)	3×10 <sup>-7</sup>	0.94 (0.90-0.98)	0.01
Signal 2	rs805510	28139846	T*/C	0.11	0.85	0.85 (0.80-0.90)	3×10 <sup>-7</sup>	0.94 (0.88-1.01)	0.07
Signal 3	rs1871152	28379826	G*/A	0.31	0.04	0.92 (0.88-0.96)	1×10 <sup>-4</sup>	0.96 (0.93-1.00)	0.03

EAF, effect allele frequency in all participants; LD, linkage disequilibrium; HR, hazard ratio; CI, confidence interval.

<sup>‡</sup> Identified in the initial GWAS conducted for women of European descent [1].

\* Effect alleles.

<sup>§</sup> Linkage disequilibrium with rs10771399 for BRCA1 mutation carriers.

<sup>a</sup> Adjusted for studies, and the top principal components.