

Table S11. Association between SNPs-based groups and Disease-free survival, Overall survival and Cumulative incidence of BC metastasis and BC death, calculated separately for the GIM4 and the GIM5 cohorts. Association with DFS and OS is shown on the basis of a univariate Cox proportional hazard model, association with Cumulative incidence of BC metastasis and BC death is shown on the basis of a univariate competing risk model.

Study	SNP-based groups	Univariate Cox Regression Model				Univariate Fine-Gray model	
		DFS		OS		BC metastasis, BC death	
		HR (95% CIs)	p	HR (95% CIs)	p	sHR (95% CIs)	p
GIM4 (N=591)	0 high-risk SNP	1		1		1	
	1 high-risk SNP	1.38 (0.72-2.64)	0.325	1.68 (0.59-4.82)	0.334	3.23 (0.76-13.7)	0.111
	>1 high-risk SNP	1.48 (0.72-3.04)	0.284	2.76 (0.93-8.19)	0.068	4.10 (0.92-18.3)	0.065
GIM5 (N=295)	0 high-risk SNP	1		1		1	
	1 high-risk SNP	0.83 (0.42-1.63)	0.587	2.46 (0.78-8.42)	0.121	1.25 (0.42-3.67)	0.688
	>1 high-risk SNP	1.25 (0.60-2.59)	0.551	3.09 (0.88-18.9)	0.079	2.26 (0.74-6.87)	0.151