

Table 2Association of SNPs with erythema for all patients as well as for the subgroups of patients with breast volume < or >750 cm³

Gene (codon)	Genotype	all patients (n = 83)						patients with breast volume <750 cm ³ (n = 48)					patients with breast volume ≥750 cm ³ (n = 35)						
		n (%)	G0/1 ^a	G2/3 ^a	OR ^b	95% CI ^c	P ^d	n (%)	G0/1 ^a	G2/3 ^a	OR ^b	95% CI ^c	P ^d	n (%)	G0/1 ^a	G2/3 ^a	OR ^b	95% CI ^c	P ^d
ATM (1853)	GG	63 (76)	28	35	1			36 (75)	20	16	1			27 (77)	8	19	1	0.19 – 5.68	
	GA	18 (22)	9	9	1.18	0.45 – 3.25	0.826	11 (23)	6	5	1.43	0.38 – 5.67	0.573	7 (20)	3	4	0.92	0.04 – 32.21	1.000
	AA	2 (2)	0	2	1.38	0.20 – 10.59		1 (2)	0	1	2.05	0.15 – 32.15		1 (3)	0	1	0.84		
GSTP1 (105)	AA	37 (45)	19	18	1			21 (44)	12	9	1			16 (46)	7	9	1		
	AG	38 (45)	12	26	1.01	0.49 – 2.09	1.000	21 (44)	10	11	0.98	0.39 – 2.44	1.000	17 (48)	2	15	1.25	0.32 – 5.29	0.772
TGFB1 (pos-509)	GG	8 (10)	6	2	1.02	0.24 – 4.35		6 (12)	4	2	0.96	0.15 – 5.97		2 (6)	2	0	1.56	0.10 – 28.03	
	CC	29 (35)	14	15	1			18 (38)	13	5	1			11 (31)	1	10	1		
	CT	40 (48)	18	22	1.26	0.65 – 2.50	0.530	24 (50)	12	12	3.10	1.11 – 10.21	0.028	16 (46)	6	10	0.36	0.10 – 1.14	0.083
XPD ^e (751)	TT	14 (17)	5	9	1.59	0.42 – 6.24		6 (12)	1	5	9.58	1.23 – 104.30		8 (23)	4	4	0.13	0.01 – 1.29	
	GG	34 (42)	19	15	1			20 (43)	12	8	1			14 (40)	7	7	1		
XRCC1 (399)	GT	38 (46)	14	24	1.85	0.90 – 4.00	0.098	20 (43)	10	10	1.42	0.59 – 3.59	0.420	18 (51)	4	14	3.95	0.91 – 22.75	0.046
	TT	10 (12)	3	7	3.44	0.81 – 16.01		7 (14)	3	4	2.03	0.34 – 12.89		3 (9)	0	3	15.62	0.84 – 517.40	
	GG	36 (43)	17	19	1			25 (52)	14	11	1			11 (31)	3	8	1		
	GA	33 (40)	13	20	1.02	0.54 – 1.93	1.000	17 (35)	9	8	1.13	0.46 – 2.76	0.840	16 (46)	4	12	0.62	0.20 – 1.84	0.464
	AA	14 (17)	7	7	1.04	0.29 – 3.73		6 (12)	3	3	1.27	0.21 – 7.63		8 (23)	4	4	0.39	0.04 – 3.39	

^a Patients with erythema of grade 0 or 1 and grade 2 or 3^b Odds ratio per allele^c 95% confidence interval^d Two-sided p-value from the Cochran-Armitage trend test^e Failure to genotype one patient

