

Supplementary Table II. Overall and event-free survival in relation to SNP distributions in the Training set (Cox regression for adjusted estimates)

OS								EFS				
Gene	dbSNP ID	Genotype	N ^a	Events	Expected	HR (95% CI) ^b	p-value	N ^a	Events	Expected	HR (95% CI) ^b	p-value
<i>SMUG1</i>												
	rs2233921	GG	205	94	85.3	Ref		199	89	88.2		
		GT	392	181	171.9	1.24 (0.90-1.71)	0.19	381	182	169.1	1.19 (0.86-1.63)	0.29
		TT	121	38	55.8	0.62 (0.39-1.00)	0.05	119	46	59.6	0.89 (0.58-1.36)	0.60
	rs971	GG	262	102	117.2	Ref		254	105	120.7	Ref	
		GA	368	173	153.5	1.38 (1.02-1.86)	0.04	360	173	154.0	1.28 (0.96-1.72)	0.10
		AA	92	35	39.3	1.92 (0.57-1.50)	0.75	89	36	39.3	0.99 (0.62-1.56)	0.91
<i>MBD4</i>												
	rs2307285	AA	231	98	104.2	Ref		226	110	102.2		
		GA	364	155	156.0	0.91 (0.66-1.24)	0.53	354	159	160.5	0.88 (0.65-1.19)	0.42
		GG	126	59	51.8	0.97 (0.65-1.45)	0.88	123	50	56.3	0.77 (0.51-1.16)	0.21
	rs2307294	GG	621	264	268.6	Ref		607	263	272.4		
		GC	98	46	41.4	1.09 (0.74-1.59)	0.66	93	49	39.6	1.21 (0.82-1.76)	0.33
		CC	-	-	-	-	-	-	-	-	-	-
<i>NEIL2</i>												
	rs1534862	CC	457	201	195.0	Ref		445	210	193.2		
		CT	230	96	101.0	0.88 (0.65-1.19)	0.41	225	91	107.6	0.73 (0.54-0.98)	0.04
		TT	32	13	14.0	0.86 (0.45-1.64)	0.64	30	14	14.2	0.79 (0.42-1.48)	0.46

rs6997097	TT	618	258	266.8	Ref		600	264	270.3		
	TC	106	54	43.3	1.77 (1.23-2.53)	≥0.01	105	53	44.5	1.21 (0.83-1.75)	0.32
	CC	5	1	2.9	0.87 (0.12-6.37)	0.89	5	1	3.2	0.43 (0.06-3.18)	0.41
rs8191670	TT	461	209	199.5	Ref		449	199	201.7		
	TC	227	90	98.6	0.95 (0.70-1.27)	0.72	221	99	100.6	1.11 (0.83-1.48)	0.48
	CC	40	16	16.9	0.82 (0.42-1.57)	0.54	39	21	16.7	1.51 (0.89-2.58)	0.13
rs2740439	GG	702	302	301.5	Ref		684	303	304.6		
	GC	16	6	6.5	0.65 (0.21-2.07)	0.47	15	8	6.4	0.49 (0.15-1.54)	0.22
	CC	-	-	-	-	-					
rs4639	AA	194	82	83.1	Ref		189	80	84.5		
	AG	360	158	153.5	0.83 (0.59-1.15)	0.25	353	156	156.2.3	1.02 (0.73-1.42)	0.92
	GG	165	66	69.4	0.72 (0.48-1.07)	0.11	159	75	70.3	1.15 (0.78-1.68)	0.48
rs1043180	CC	524	222	226.7	Ref		509	230	225.0		
	CT	178	84	75.8	1.07 (0.78-1.48)	0.66	175	74	77.1	0.92 (0.66-1.28)	0.62
	TT	15	4	7.5	0.17 (0.02-1.23)	0.08	14	6	7.9	0.52 (0.17-1.66)	0.27
<i>NEIL3</i>											
rs1055678	CC	637	277	275.5	Ref		622	277	281.4		
	CT	79	32	34.6	1.00 (0.64-1.58)	0.99	75	36	32.9	1.15 (0.75-1.75)	0.53
	TT	5	3	1.9	3.50 (0.46-26.63)	0.23	5	3	1.7	7.98 (1.04-61.34)	0.05
<i>LIG3</i>											
rs1052536	CC	193	75	85.6	Ref		186	76	86.7		
	CT	369	168	154.3	1.07 (0.77-1.50)	0.68	362	171	160.0	1.24 (0.89-1.72)	0.20
	TT	168	72	75.1	0.88 (0.59-1.31)	0.53	163	73	73.3	0.99 (0.67-1.47)	0.97

HR, hazard ratio; 95% CI, confidence interval. Significant results in bold.

^a Numbers may not add up to 100% of available subjects because of genotyping failure. All samples that did not give a reliable result in the first round of genotyping were resubmitted to up to two additional rounds of genotyping. Data points that were still not filled after this procedure had been left blank.

^b Adjusted for sex, age, TNM and chemotherapy.