

Supplementary Table S4. Comparison of Kaplan-Meier survival by genotype, univariate and sex-adjusted (as confounder) Cox regression analysis by genotype for any cancer. Note: Significant polymorphism genotypes are in Bold. Abbreviations: HR: Hazards Ratio, CI: Confidence Interval, Ref: Reference genotype.

Polymorphism	Genotype (N)	Cancer affected (N)	Log-rank test P	Univariate HR (95% CI)	P-value	*Adjusted HR (95% CI)	P-value
HFE H63D							
rs1799945							
CC	277	134	0.900	Ref		Ref	
CG	56	26		0.83 (0.51-1.34)	0.450	0.89 (0.55-1.46)	0.660
CT	2	1		0.71 (0.10-5.19)	0.730	0.50 (0.07-3.70)	0.500
GG	2	1		0.46 (0.06-3.42)	0.450	0.39 (0.05-2.86)	0.350
Any G/T (CG+CT+GG)	58	27	0.890	0.80 (0.50-1.30)	0.380	0.86 (0.52-1.39)	0.530
CYP17							
rs743572							
AA	68	35	0.380	Ref		Ref	
AG	156	81		1.13 (0.74-1.71)	0.570	1.09 (0.72-1.67)	0.680
GG	60	24		0.92 (0.53-1.69)	0.780	0.93 (0.53-1.65)	0.830
GT	23	13		1.32 (0.66-2.64)	0.440	1.47 (0.72-2.98)	0.290
AT	32	10		0.55 (0.27-1.14)	0.110	0.52 (0.25-1.08)	0.082
TT	1	0		0.00 (0.00-inf)	1.000	0.00 (0.00-inf)	1.000
Any G/T (AG+GG+GT+AT+TT)	272	128	0.760	1.02 (0.69-1.51)	0.940	1.00 (0.67-1.49)	1.000
hTERT							
rs2075786							
AA	108	48	0.570	Ref		Ref	
AG	161	86		1.35 (0.92-1.99)	0.130	1.32 (0.90-1.98)	0.150
GG	70	33		1.54 (0.95-2.48)	0.079	1.46 (0.91-2.37)	0.120
Any G (AG+GG)	231	115	0.300	1.39 (0.96-2.01)	0.080	1.36 (0.94-1.96)	0.100
PPP2R2B							
rs10477307							
GG	129	70	0.280	Ref		Ref	
GA	166	72		0.77 (0.55-1.08)	0.130	0.75 (0.53-1.05)	0.096
AA	43	20		0.83 (0.49-1.42)	0.500	0.85 (0.49-1.47)	0.560
Any A(GA+AA)	209	92	0.110	0.78 (0.57-1.08)	0.140	0.77 (0.55-1.06)	0.110
KIF20A							
rs10038448							
CC	213	99	0.480	Ref		Ref	
CG	112	57		1.22 (0.86-1.72)	0.270	1.33 (0.94-1.90)	0.110
GG	15	7		1.46 (0.65-3.27)	0.350	1.63 (0.73-3.67)	0.240
Any G (CG+GG)	127	64	0.240	1.24 (0.88-1.73)	0.220	1.36 (0.96-1.92)	0.080
TGFB1/CCDC							
97 rs12980942							
GG	289	145	0.290	Ref		Ref	
GA	46	15		0.68 (0.39-1.20)	0.190	0.66 (0.37-1.18)	0.160

AA	4	3		1.57 (0.44-	0.500	1.13 (0.32-4.03)	0.850
Any A (GA+AA)	50	18	0.180	5.28) 0.75 (0.44-1.27)	0.280	0.71 (0.41-1.21)	0.210
XRCC5							
rs1051685							
AA	176	90	0.040	Ref		Ref	
AG	132	58		0.65 (0.46-0.92)	0.016	0.69 (0.48-0.99)	0.043
GG	32	15		0.85 (0.48-1.51)	0.570	0.94 (0.56-1.69)	0.850
Any G (AG+GG)	164	73	0.015	0.68 (0.49-0.95)	0.023	0.73 (0.52-1.02)	0.068
TNF							
rs3093662							
AA	273	136	0.260	Ref		Ref	
AG	62	26		1.22 (0.76-1.98)	0.410	1.11 (0.68-1.80)	0.670
GG	4	1		0.15 (0.02-1.10)	0.062	0.16 (0.02-1.20)	0.075
Any G (AG+GG)	66	27	0.810	0.97 (0.61-1.52)	0.880	0.90 (0.57-1.44)	0.670
BCL2							
rs1531697							
TT	168	76	0.560	Ref		Ref	
TA	139	72		1.12 (0.80-1.56)	0.510	1.10 (0.78-1.53)	0.590
AA	31	14		1.00 (0.54-1.87)	0.999	0.80 (0.42-1.52)	0.490
Any A (TA+AA)	170	86	0.660	1.10 (0.80-1.52)	0.560	1.05 (0.76-1.46)	0.770
CHFR							
rs11610954							
CC	291	137	0.270	Ref		Ref	
CT	43	23		1.46 (0.90-2.37)	0.120	1.41 (0.87-2.32)	0.160
TT	6	3		1.24 (0.38-4.04)	0.720	1.11 (0.34-3.63)	0.860
Any T (CT+TT)	49	26	0.110	1.44 (0.90-2.29)	0.130	1.38 (0.86-2.21)	0.180
CDC25C							
rs6874130							
GG	104	48	0.880	Ref		Ref	
GC	183	88		1.05 (0.73-1.51)	0.780	1.11 (0.77-1.61)	0.580
CC	53	27		1.01 (0.62-1.65)	0.970	1.20 (0.72-1.99)	0.480
Any C(GC+CC)	236	115	0.620	1.04 (0.74-1.48)	0.810	1.13 (0.79-1.61)	0.520
ATM							
rs1800057							
CC	330	155	0.520	Ref		Ref	
CG	10	8		1.44 (0.62- 3.31)	0.390	1.47 (0.63- 3.49)	0.370
CYP1A1 Msp1							
rs4646903							
AA	230	112	0.007	Ref		Ref	
AG	85	40		0.68 (0.46-1.00)	0.053	0.68 (0.46-1.00)	0.051
GG	19	10		2.05 (1.02-4.11)	0.043	2.03 (1.01-4.08)	0.047
Any G (AG+GG)	104	50	0.240	0.79 (0.55-1.13)	0.200	0.79 (0.55-1.13)	0.200

TTC28								
rs9608696	329	156	-	-	-	-	-	-
TT	0	0						
GG								
CDC25C								
rs3734166								
GG	185	77	0.110	Ref		Ref		
GA	133	76		1.41 (1.01-1.98)	0.045	1.49(1.05- 2.11)	0.023	
AA	20	8		1.53 (0.72-3.28)	0.270	1.99 (0.92-4.31)	0.081	
Any A (GA+AA)	153	84	0.035	1.42 (1.02-1.98)	0.037	1.53 (1.09-2.14)	0.015	
GSTM1								
+ (Present)	275	129	0.260	Ref		Ref		
- (Null)	55	30		1.41(0.90- 2.21)	0.130	1.36(0.86- 2.16)	0.190	
GSTT1								
+ (Present)	256	126	0.082	Ref		Ref		
- (Null)	74	33		0.65 (0.43-0.97)	0.036	0.65(0.43- 0.99)	0.044	
*Adjusted for sex								