

Supplementary Table 4: Molecular pathways and their prognostic value.

	Patients	Disease-free survival		Overall survival	
		Recurrence (%)	<i>p</i> -value*	Death (%)	<i>p</i> -value*
Total	151 (100%)	50 (33%)		77 (51%)	
Apoptosis			0.88 (NS)		0.40 (NS)
Unaltered	141 (93%)	46 (92%)		73 (95%)	
Altered	10 (7%)	4 (8%)		4 (5%)	
Cell cycle			0.90 (NS)		0.87 (NS)
Unaltered	112 (74%)	37 (74%)		58 (75%)	
Altered	39 (26%)	13 (26%)		19 (25%)	
Cell differentiation			0.12 (NS)		0.07 (NS)
Unaltered	117 (77%)	42 (84%)		65 (84%)	
Altered	34 (23%)	8 (16%)		12 (16%)	
DNA repair			0.59 (NS)		0.08 (NS)
Unaltered	134 (89%)	45 (90%)		72 (94%)	
Altered	17 (11%)	5 (10%)		5 (6%)	
Development			0.99 (NS)		0.80 (NS)
Unaltered	117 (77%)	38 (76%)		59 (77%)	
Altered	34 (23%)	12 (24%)		18 (23%)	
Epigenetics			0.59 (NS)		0.51 (NS)
Unaltered	100 (66%)	32 (64%)		49 (63%)	
Altered	51 (34%)	18 (36%)		28 (36%)	
Genome integrity			0.60 (NS)		0.08 (NS)
Unaltered	43 (28%)	13 (26%)		16 (21%)	
Altered	108 (72%)	37 (74%)		61 (79%)	
Myc pathway			0.07 (NS)		0.33 (NS)
Unaltered	149 (99%)	48 (96%)		77 (100%)	
Altered	2 (1%)	2 (4%)		0 (0%)	
Oxidative stress			0.50 (NS)		0.70 (NS)
Unaltered	141 (93%)	46 (92%)		72 (94%)	
Altered	10 (7%)	4 (8%)		5 (6%)	
PI3K pathway			0.80 (NS)		0.51 (NS)
Unaltered	126 (83%)	41 (82%)		63 (82%)	
Altered	25 (17%)	9 (18%)		14 (18%)	
RTK/RAS			0.27 (NS)		0.06 (NS)
Unaltered	137 (91%)	47 (94%)		74 (96%)	
Altered	14 (9%)	3 (6%)		3 (4%)	
Senescence			0.30 (NS)		0.56 (NS)
Unaltered	75 (50%)	21 (42%)		36 (47%)	
Altered	76 (50%)	29 (58%)		41 (53%)	
TGFβ pathway			0.02		0.01
Unaltered	145 (96%)	46 (92%)		72 (94%)	
Altered	6 (4%)	4 (8%)		5 (6%)	
Transcription factors			0.35 (NS)		0.13 (NS)
Unaltered	138 (91%)	47 (94%)		73 (95%)	
Altered	13 (9%)	3 (6%)		4 (5%)	
Immunity			0.40 (NS)		0.34 (NS)
Unaltered	147 (97%)	50 (100%)		77 (100%)	
Altered	4 (3%)	0 (0%)		0 (0%)	
Other			0.06 (NS)		0.16 (NS)
Unaltered	120 (79%)	44 (88%)		64 (83%)	
Altered	31 (21%)	6 (12%)		13 (17%)	

Abbreviations: DFS, disease-free survival; OS, overall survival; NS, not significant; RTK, receptor tyrosine kinase

* Log-rank test