

Additional Table 4. Relationship between gene status and MFS.

	Total population (%)	Number of relapses (%)	<i>P</i> -value <sup>a</sup>
<i>Total</i>	458 (100.0)	170 (37.1)	
<i>EGFR</i>			
Underexpression	389 (84.9)	153 (39.3)	NS
Non-underexpression	69 (15.1)	17 (24.6)	
<i>PIK3R1</i>			
Underexpression	283 (61.8)	122 (43.1)	<b>0.00028</b>
Non-underexpression	175 (38.2)	48 (27.4)	
<i>PDK1</i>			
Underexpression	61 (13.3)	22 (36.1)	NS
Normal expression	316 (69.0)	116 (36.7)	
Overexpression	81 (17.7)	32 (39.5)	
<i>PTEN</i>			
Underexpression	78 (17.0)	31 (39.7)	NS
Non-underexpression	380 (83.0)	139 (36.6)	
<i>AKT1</i>			
Non-overexpression	342 (74.7)	123 (36.0)	NS
Overexpression	116 (25.3)	47 (40.5)	
<i>AKT2<sup>b</sup></i>			
Non-overexpression	293 (64.3)	119 (40.6)	NS
Overexpression	163 (35.7)	50 (30.7)	
<i>AKT3<sup>b</sup></i>			
Underexpression	306 (67.1)	120 (39.2)	NS
Non-underexpression	150 (32.9)	49 (32.7)	
<i>GOLPH3</i>			
Non-overexpression	369 (80.6)	131 (35.5)	NS
Overexpression	89 (19.4)	39 (43.8)	
<i>P70S6K</i>			
Non-overexpression	375 (81.9)	134 (35.7)	NS
Overexpression	83 (18.1)	36 (43.4)	
<i>WEE1</i>			
Underexpression	84 (18.3)	34 (40.5)	NS
Non-underexpression	374 (81.7)	136 (36.4)	
<i>PIK3CA</i>			
Non-mutated (%)	307 (67.0)	124 (40.4)	<b>0.016</b>
Mutated (%)	151 (33.0)	46 (30.5)	
<i>PIK3R1<sup>c</sup></i>			

Non-mutated (%)	444 (97.8)	163 (36.7)	NS
Mutated (%)	10 (2.2)	4 (40.0)	
<i>AKT1<sup>d</sup></i>			
Non-mutated (%)	442 (96.7)	164 (37.1)	NS
Mutated (%)	15 (3.3)	5 (33.3)	
<i>All mutations<sup>d</sup></i>			
Non-mutated (%)	280 (61.7)	113 (40.4)	<b>0.016</b>
Mutated (%)	174 (38.3)	54 (31.0)	

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<sup>a</sup>Log-rank Test. NS: not significant.

<sup>b</sup>Data available in 456 samples.

<sup>c</sup>Data available in 454 samples.

<sup>d</sup>Data available in 457 samples