

**Additional file 5. Cox multivariate regression analysis in the gene expression dataset (n=1107).** YAP1 mRNA expression is an independent prognostic factor after adjustment of known prognostic factors.

Variable	Univariate			Multivariate		
	HR	95% CI	<i>P</i> value	HR	95% CI	<i>P</i> value
Grade <sup>†</sup>	2.307	1.611-3.302	<0.001	1.978	1.349-2.902	<0.001
Tumour size <sup>‡</sup>	1.533	1.196-1.964	0.001	1.399	1.075-1.819	0.012
Lymph node <sup>§</sup>	1.284	0.972-1.697	0.078	1.209	0.894-1.634	0.217
YAP1 <sup>*</sup>	1.345	1.104-1.639	0.003	1.306	1.014-1.683	0.039

<sup>†</sup> Nottingham histological grade I vs. II and III

<sup>‡</sup> Size  $\leq 20$  vs.  $>20$  mm

<sup>§</sup> Lymph node, negative vs. positive

<sup>\*</sup> High vs. low mRNA expression

HR=Hazard ratio, CI=Confidence interval