Supplementary material for Hestetun K. E. et al. Nuclear maspin expression as a predictive marker for fluorouracil treatment response in colon cancer, Acta Oncologica, 2015;54:470–9.

Supplementary Figure 1. Survival of colon patients stage II according to nuclear maspin expression and treatment. Survival is presented as DFS (A and B) and CSS (C and D) for low (A and C) versus high (B and D) expression of maspin. CSS, cancer-specific survival; DFS, disease-free survival.

Supplementary Table I. Univariate Cox regression analysis for disease-free survival.

Covariate	Colorectal		Colon		Rectum	
	HR (95% CI)	P	HR (95% CI)	P	HR (95% CI)	P
Sex (male vs. female)	1.01 (0.72–1.42)	0.947	0.89 (0.58–1.36)	0.582	1.10 (0.62–1.96)	0.744
Age (continuous)	1.00 (0.98–1.01)	0.675	1.01 (0.98–1.03)	0.541	0.97 (0.95–1.01)	0.134
Stage (III vs. II)	4.25 (2.96–6.10)	< 0.001	4.03 (2.58–6.29)	< 0.001	4.42 (2.33–8.36)	< 0.001
Tumor differentiation (low vs. medium/high)	1.49 (0.97–2.28)	0.071	1.66 (1.01–2.73)	0.044	1.47 (0.58–3.70)	0.413
Ki67 [low (< 40%) vs. high ($\geq$ 40%)]	1.80 (1.24–2.61)	0.002	2.29 (1.41–3.72)	0.001	1.25 (0.68–2.31)	0.474
Tumor localization (rectum vs. colon) ^a	1.55 (1.09–2.20)	0.014				
Tumor localization (distal vs. proximal colon) ^a			1.35 (0.88–2.07)	0.174		
Randomization group ^b	0.95 (0.67–1.33)	0.749	0.91 (0.59–1.39)	0.657	1.06 (0.61–1.85)	0.832
Maspin expression pr. 50						
Total	1.04 (0.90–1.20)	0.561	1.07 (0.89–1.28)	0.479	1.08 (0.84–1.38)	0.557
In patients receiving adjuvant chemotherapy	1.21 (0.99–1.48)	0.065	1.30 (1.01–1.68)	0.040	1.19 (0.82–1.73)	0.356
In patients treated with surgery only	0.90 (0.74–1.11)	0.342	0.87 (0.67–1.13)	0.300	1.00 (0.72–1.39)	0.983

^aVariable not included in multivariate analyses; ^bAdjuvant chemotherapy versus surgery only.

Supplementary Table II. Multivariate Cox regression analysis for disease-free survival.

Covariate	Colorectal		Colon		Rectum	
	HR (95% CI)	P	HR (95% CI)	P	HR (95% CI)	P
Sex (male vs. female)	0.97 (0.67–1.41)	0.865	0.83 (0.52–1.32)	0.426	1.30 (0.69–2.47)	0.419
Age (continuous)	0.99 (0.97–1.01)	0.367	1.00 (0.98–1.03)	0.880	0.97 (0.93–1.00)	0.061
Stage (III vs. II)	4.20 (2.82–6.25)	< 0.001	3.97 (2.43–6.46)	< 0.001	4.87 (2.33–10.2)	< 0.001
Tumor differentiation (low vs. medium/high)	1.47 (0.91–2.38)	0.117	1.48 (0.85–2.59)	0.166	2.62 (0.82–8.38)	0.104
Ki67 [low (< 40%) vs. high ($\geq$ 40%)]	1.65 (1.13–2.41)	0.010	2.12 (1.29–3.48)	0.003	1.08 (0.56–2.08)	0.815
Interaction Randomization group by maspin expression		0.200		0.186		0.789
Randomization group ^a						
for maspin expression score 60	0.61 (0.33–1.13)	0.115	0.59 (0.27–1.30)	0.194	0.59 (0.21–1.62)	0.302
for maspin expression score 130	0.84 (0.57–1.24)	0.373	0.89 (0.55–1.46)	0.652	0.65 (0.32–1.33)	0.239
for maspin expression score 180	1.05 (0.62–1.78)	0.855	1.20 (0.63–2.30)	0.584	0.71 (0.27–1.82)	0.473
Maspin expression pr 50						
In patients receiving adjuvant chemotherapy	1.15 (0.90–1.46)	0.269	1.23 (0.92–1.65)	0.166	1.07 (0.69–1.66)	0.766
In patients treated with surgery only	0.91 (0.72–1.17)	0.469	0.92 (0.66–1.27)	0.595	0.99 (0.69–1.43)	0.955
Total ^b	1.03 (0.87–1.21)	0.769	1.08 (0.87–1.34)	0.490	1.02 (0.77–1.36)	0.884
Randomization group ^{a,b}	1.20 (0.82–1.75)	0.344	1.11 (0.69–1.78)	0.666	1.54 (0.77–3.11)	0.224

All information is based on a model including the Randomization group by maspin interaction, unless otherwise stated.

^aAdjuvant chemotherapy versus surgery only; ^bWithout Randomization group by maspin interaction in model.

Supplementary Table III. Univariate Cox regression analysis for overall survival.

Covariate	Colorectal		Colon		Rectum	
	HR (95% CI)	P	HR (95% CI)	P	HR (95% CI)	P
Sex (male vs. female)	1.12 (0.81–1.54)	0.503	1.02 (0.69–1.51)	0.927	1.25 (0.70–2.24)	0.454
Age (continuous)	1.01 (0.99–1.03)	0.302	1.02 (1.00–1.05)	0.059	0.98 (0.96–1.02)	0.316
Stage (III vs. II)	3.67 (2.62–5.12)	< 0.001	3.63 (2.42–5.44)	< 0.001	3.67 (2.00–6.74)	< 0.001
Tumor differentiation (low vs. medium/high)	1.48 (0.99–2.22)	0.058	1.59 (1.00–2.52)	0.049	1.36 (0.54–3.43)	0.511
Ki67 [low (< 40%) vs. high ($\geq$ 40%)]	1.64 (1.16–2.30)	0.005	1.89 (1.24–2.89)	0.003	1.25 (0.69–2.29)	0.459
Tumor localization (rectum vs. colon) ^a	1.27 (0.90–1.78)	0.169				
Tumor localization (distal vs. proximal colon) ^a			0.96 (0.65–1.42)	0.835		
Randomization group ^b	1.00 (0.72–1.37)	0.981	1.07 (0.72–1.59)	0.722	0.83 (0.48–1.44)	0.506
Maspin expression pr. 50						
Total	1.09 (0.95–1.25)	0.198	1.10 (0.93–1.30)	0.251	1.12 (0.88–1.43)	0.359
In patients receiving adjuvant chemotherapy	1.27 (1.05–1.53)	0.014	1.34 (1.06–1.69)	0.014	1.23 (0.86–1.77)	0.261
In patients treated with surgery only	0.93 (0.76–1.13)	0.452	0.88 (0.68–1.13)	0.303	1.03 (0.74–1.43)	0.858

^aVariable not included in multivariate analyses; ^bAdjuvant chemotherapy versus surgery only.

Supplementary Table IV. Multivariate Cox regression analysis for overall survival.

Covariate	Colorectal		Colon		Rectum	
	HR (95% CI)	P	HR (95% CI)	P	HR (95% CI)	P
Sex (male vs. female)	1.13 (0.80–1.59)	0.482	0.99 (0.65–1.51)	0.972	1.55 (0.83–2.91)	0.173
Age (continuous)	1.01 (0.99–1.03)	0.380	1.02 (0.99–1.04)	0.171	0.99 (0.95–1.02)	0.481
Stage (III vs. II)	3.81 (2.66–5.48)	<0.001	3.87 (2.51–5.98)	<0.001	4.09 (2.03–8.22)	<0.001
Tumor differentiation (low vs. medium/high)	1.39 (0.89–2.18)	0.147	1.41 (0.85–2.35)	0.184	1.49 (0.48–4.61)	0.487
Ki67 [low (< 40%) vs. high ($\geq$ 40%)]	1.57 (1.11–2.22)	0.011	1.82 (1.18–2.82)	0.007	1.15 (0.61–2.17)	0.664
Interaction Randomization group by maspin expression		0.152		0.188		0.984
Randomization group ^a						
for maspin expression score 60	0.67 (0.38–1.18)	0.164	0.67 (0.33–1.37)	0.269	0.79 (0.30–2.07)	0.630
for maspin expression score 130	0.92 (0.65–1.31)	0.648	0.97 (0.62–1.50)	0.874	0.80 (0.41–1.56)	0.503
for maspin expression score 180	1.16 (0.72–1.86)	0.543	1.25 (0.71–2.23)	0.439	0.80 (0.33–1.97)	0.628
Maspin expression pr 50						
In patients receiving adjuvant chemotherapy	1.21 (0.97–1.51)	0.085	1.27 (0.98–1.64)	0.073	1.04 (0.69–1.59)	0.841
In patients treated with surgery only	0.96 (0.77–1.21)	0.741	0.97 (0.72–1.31)	0.857	1.04 (0.73–1.49)	0.839
Total ^b	1.09 (0.93–1.27)	0.301	1.13 (0.93–1.38)	0.210	1.04 (0.79–1.37)	0.779
Randomization group ^{a,b}	1.08 (0.77–1.54)	0.650	1.02 (0.67–1.56)	0.920	1.26 (0.65–2.44)	0.499

All information is based on a model including the Randomization group by maspin interaction, unless otherwise stated.

^aAdjuvant chemotherapy vs. surgery only; ^bwithout Randomization group by maspin interaction in model.