

## Supplementary figures

### **Prognostic value of blood-based fibrosis biomarkers in patients with metastatic colorectal cancer receiving chemotherapy and bevacizumab**

Neel I. Nissen<sup>1,2#\*</sup>, Stephanie Kehlet<sup>2#</sup>, Mogens K. Boisen<sup>3</sup>, Maria Liljefors<sup>4</sup>, Christina Jensen<sup>2</sup>, Astrid Z. Johansen<sup>3</sup>, Julia S. Johansen<sup>3,5,6</sup>, Janine T. Erler<sup>1</sup>, Morten Karsdal<sup>2</sup>, Joachim H. Mortensen<sup>2</sup>, Anette Høye<sup>1</sup>, and Nicholas Willumsen<sup>2</sup>

#authors contributed equally to the work

\**Corresponding author*: Neel Ingemann Nissen, Herlev Hovedgade 205-207 2730 Herlev, Denmark. +45 4452 5252, [nin@nordicbio.com](mailto:nin@nordicbio.com)

<sup>1</sup>Biotech Research & Innovation Centre (BRIC), University of Copenhagen (UCPH), Denmark.

<sup>2</sup>Biomarkers & Research, Nordic Bioscience, Herlev, Denmark.

<sup>3</sup>Department of Oncology, Herlev and Gentofte Hospital, Copenhagen University Hospital, Denmark.

<sup>4</sup>Department of Clinical Science, Intervention and Technology, Karolinska University Hospital Huddinge, Stockholm, Sweden

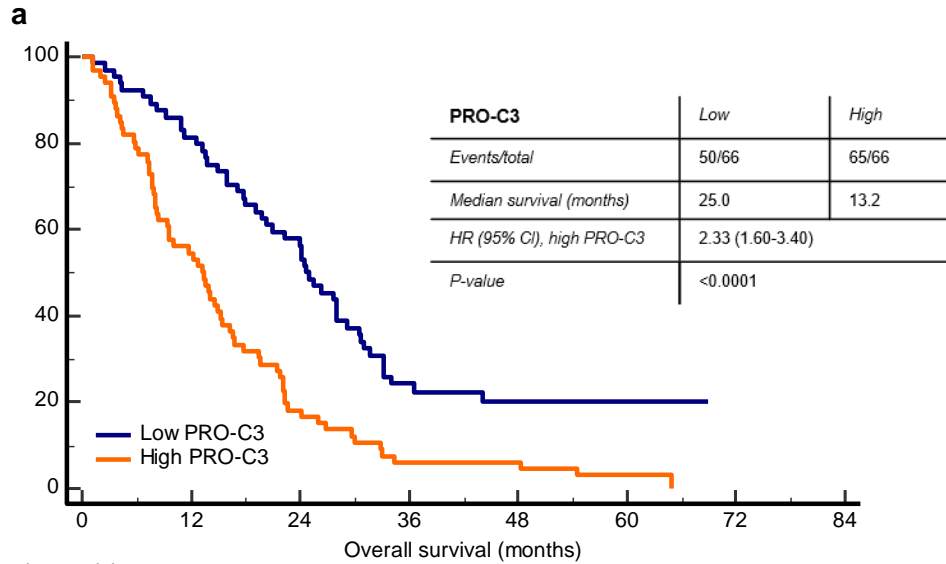
<sup>5</sup>Department of Medicine, Herlev and Gentofte Hospital, Copenhagen University Hospital, Denmark.

<sup>6</sup>Department of Clinical Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark

**Figure S1:** Assessment of the prognostic potential of low and high (median) biomarker levels in patients in first line chemotherapy a) PRO-C3 (formation of collagen type III), b) PRO-C6 (formation of collagen type VI), c) C6M (degradation of collagen type VI $\alpha$ 1) and d) C6M $\alpha$ 3 (degradation of collagen type VI $\alpha$ 3) serum levels by Kaplan Meier plots. Cox proportional-hazards regression was used to calculate the hazard ratios (HR) with 95% CI and p-values. A  $p < 0.05$  was considered significant.

**Figure S2:** Assessment of the prognostic potential of low and high (median) biomarker levels in patients in second or later line of chemotherapy a) PRO-C3 (formation of collagen type III), b) PRO-C6 (formation of collagen type VI), c) C6M (degradation of collagen type VI $\alpha$ 1) and d) C6M $\alpha$ 3 (degradation of collagen type VI $\alpha$ 3) serum levels by Kaplan Meier plots. Cox proportional-hazards regression was used to calculate the hazard ratios (HR) with 95% CI and p-values. A  $p < 0.05$  was considered significant.

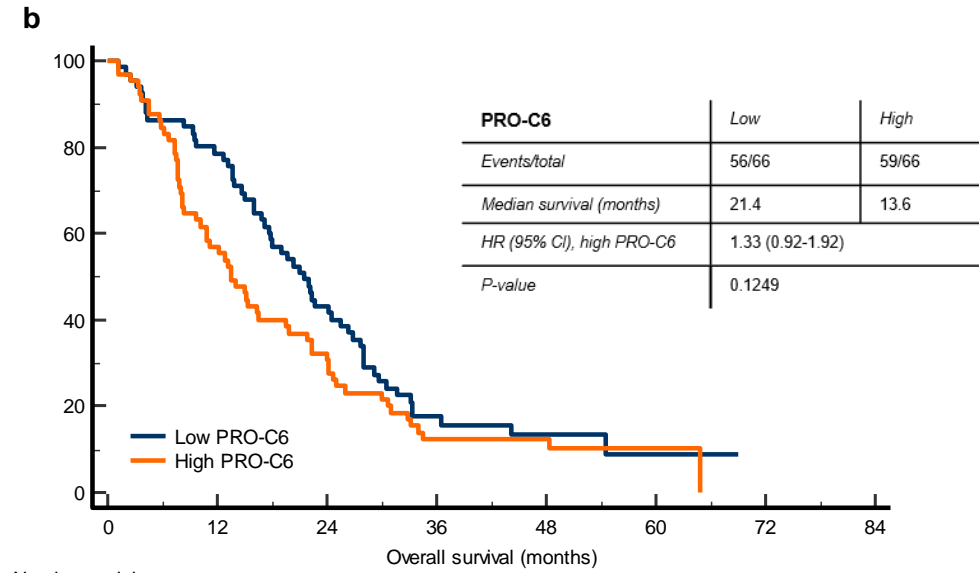
**Fig S1:**



Number at risk

Group: Low PRO-C3	0	12	24	36	48	60	72
66	52	36	13	8	1	0	

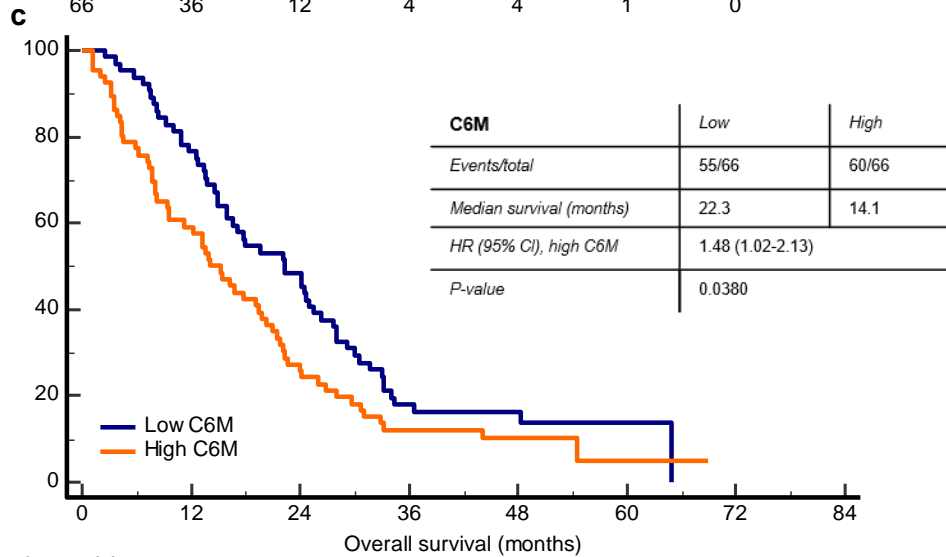
Group: High PRO-C3	0	12	24	36	48	60	72
66	36	12	4	4	1	0	



Number at risk

Group: Low PRO-C6	0	12	24	36	48	60	72
66	51	28	9	6	1	0	

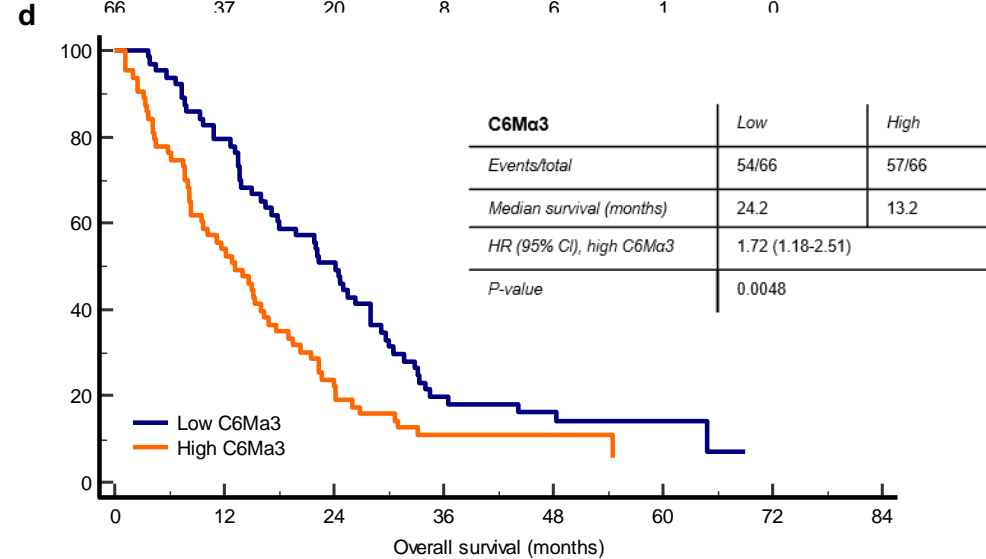
Group: High PRO-C6	0	12	24	36	48	60	72
66	37	20	8	6	1	0	



Number at risk

Group: Low C6M	0	12	24	36	48	60	72
66	49	31	10	8	1	0	

Group: High C6M	0	12	24	36	48	60	72
66	39	17	7	4	1	0	

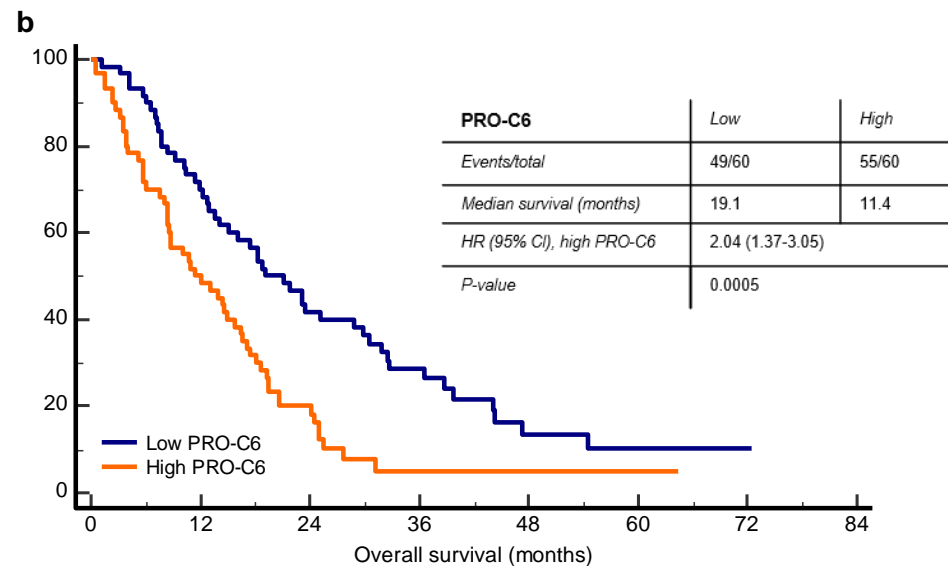
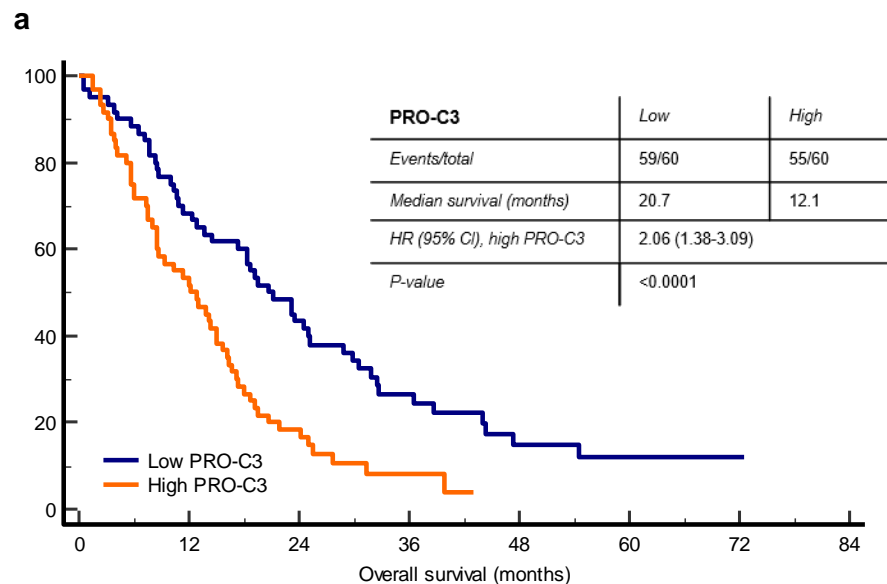


Number at risk

Group: Low C6Ma3	0	12	24	36	48	60	72
66	50	32	12	8	2	0	

Group: High C6Ma3	0	12	24	36	48	60	72
66	34	14	5	4	0	0	

**Fig S2:**

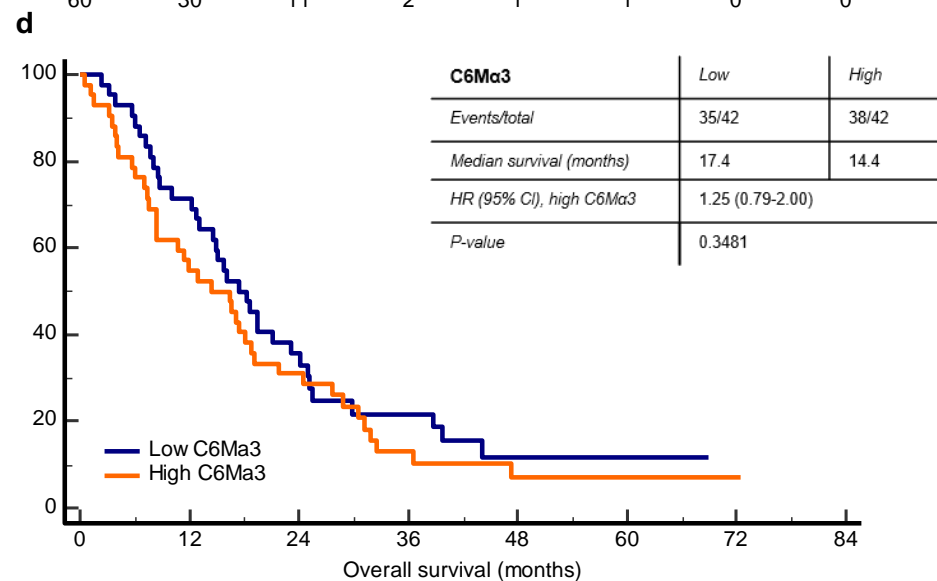
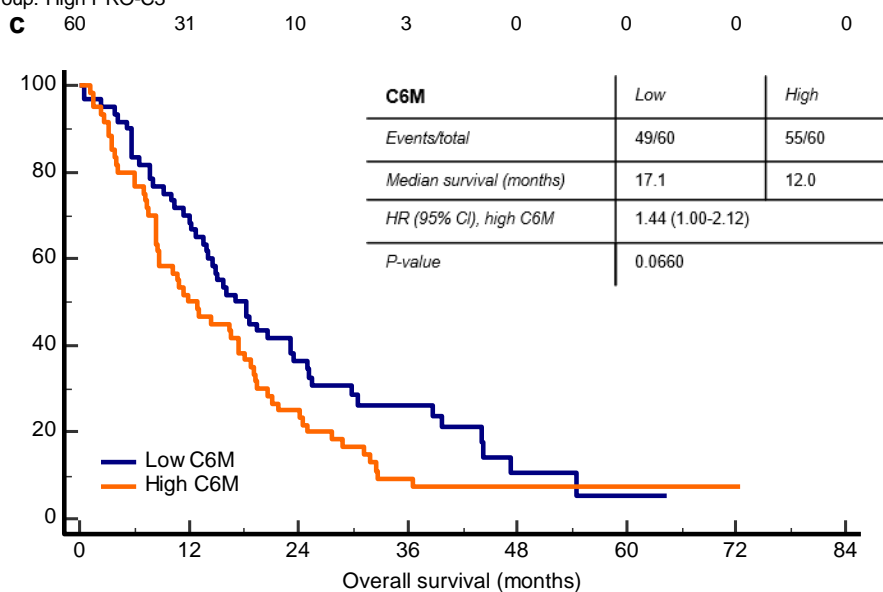


Number at risk

Overall survival (months)	0	12	24	36	48	60	72	84
Group: Low PRO-C3	60	41	26	12	5	4	1	0
Group: High PRO-C3	60	31	10	3	0	0	0	0

Number at risk

Overall survival (months)	0	12	24	36	48	60	72	84
Group: Low PRO-C6	60	42	25	13	4	3	1	0
Group: High PRO-C6	60	30	11	2	1	1	0	0



Number at risk

Overall survival (months)	0	12	24	36	48	60	72	84
Group: Low C6M	60	42	21	10	2	1	0	0
Group: High C6M	60	30	15	5	3	3	1	0

Number at risk

Overall survival (months)	0	12	24	36	48	60	72	84
Group: Low C6Ma3	42	30	14	7	2	2	0	0
Group: High C6Ma3	42	23	13	5	2	2	1	0