

**Supplementary Table 2. Baseline Demographics and Clinical Characteristics of the Training Cohort**

Variables	Value
Mean age (year) ( $\pm$ SD)	60.9 ( $\pm$ 11.4), range 22–85
Sex, n (%)	
Male	286 (57.0)
Female	216 (43.0)
CRC location	
Colon	319 (63.5)
Rectum	183 (36.5)
CEA (ng/dL), median (IQR)	3.2 (0.1–841.0)
T stage (tumor invasion depth), n (%)	
T1–2 (confined to the bowel wall)	85 (16.9)
T3–4 (beyond the bowel wall)	417 (83.1)
N stage (nodal involvement), n (%)	
N- (node negative)	242 (48.2)
N+ (node positive)	260 (51.8)
M stage, n (%)	
M0	349 (69.5)
M1	153 (30.5)
Liver only	87 (56.9)
Lung only	2 (1.3)
Liver plus extrahepatic	64 (41.8)

Values represent the number of subjects (%), median (IQR) or mean ( $\pm$  SD). CEA = serum carcinoembryonic antigen, CRC = colorectal cancer, IQR = interquartile range, SD = standard deviation