

Paired Primary and Metastatic Tumor Analysis of Somatic Mutations in Synchronous and Metachronous Colorectal Cancer

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Supplementary Table 1. Clinicopathologic characteristics of colorectal patients within the tissue bank with OncoMap evaluation

Characteristic	No. (n=105)
Sex	
Male	70 (66.7)
Female	35 (33.3)
Age (yr)	
Median (range)	58 (32-86)
Histology	
Well differentiated	14 (13.3)
Moderate differentiated	85 (81.0)
Poor differentiated	5 (4.8)
Mucinous	1 (1.0)
Microsatellite instability^{a)}	
Microsatellite stable	96 (96.0)
Microsatellite instable	4 (4.0)
Loss of heterozygosity^{a)}	31 (31.0)
Location of primary disease	
Ascending	22 (21.0)
Transverse	5 (4.8)
Descending	42 (40.0)
Rectum	36 (34.3)
Stage at initial presentation	
I	7 (6.7)
II	26 (24.8)
III	35 (33.3)
IV	37 (35.2)
pT	
T1	5 (4.8)
T2	10 (9.5)
T3	76 (72.4)
T4	14 (13.3)
pN	
N0	40 (38.1)
N1	42 (40.0)
N2	23 (21.9)
pM	
M0	68 (64.8)
M1a	26 (24.8)
M1b	11 (10.5)
Resection	
R0	94 (89.5)
R1	6 (5.7)
R2	5 (4.8)

Values are presented as number (%) unless otherwise indicated. ^{a)}Microsatellite status and loss of heterozygosity were not assessed in five patients.

Supplementary Table 2. Mutational profile of colorectal patients according to stage of primary lesions within the tissue bank with OncoMap evaluation

Gene	Stage I (n=7)	Stage II (n=26)	Stage III (n=35)	Stage IV (n=37)
<i>KRAS</i>	4 (57.1)	7 (26.9)	15 (42.9)	13 (35.1)
<i>APC</i>	1 (14.3)	5 (19.2)	8 (22.9)	8 (21.6)
<i>STK11</i>	-	-	1 (2.9)	-
<i>TP53</i>	2 (28.6)	4 (15.4)	9 (25.7)	9 (24.3)
<i>BRAF</i>	-	1 (3.8)	2 (5.7)	2 (5.4)
<i>MLH1</i>	-	1 (3.8)	2 (5.7)	4 (10.8)
<i>AKT1</i>	-	-	-	1 (2.7)
<i>PIK3CA</i>	2 (28.6)	1 (3.8)	4 (11.4)	5 (13.5)
<i>NRAS</i>	-	1 (3.8)	1 (2.9)	3 (8.1)
<i>CTNNB1</i>	-	1 (3.8)	1 (2.9)	1 (2.7)

Values are presented as number (%).