

Supplemental Table S3:

APC mutation analysis by WTB-HRM of human colon tissue compared with previous results obtained by direct sequencing. HRM results were confirmed by control sequencing of HRM products. Recovery of APC mutations was examined in available corresponding stool DNA.

Patient No.	Histological Finding, Staging if available ^{a,b}	Preanalysis result of tissue (direct sequencing) ^c	HRM result of tissue (affected segment)	Control sequencing result after HRM ^c	HRM result of corresponding stool DNA
C1	Carcinoma, pT1 pN0	WT	MT <i>APC1</i>	MT c.3927_3931del, p.E1309fs	n.a. ^d
C2	Carcinoma, pT3 pN0	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>
C23	Carcinoma, pT4 pNX M1	WT	WT	WT	n.a.
C45	Carcinoma, pT1 pN0	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>
C47	Carcinoma, pT1 pN0	MT c.4473del, p.F1491fs	MT <i>APC3.2</i>	n.a.	MT <i>APC3.2</i>
C48	Carcinoma, pT1 pN0	WT	WT	WT	n.a.
C49	Carcinoma, pT1 pN0	WT	WT	WT	WT
K40	Carcinoma	MT c.4057G>T, p.E1353*	MT <i>APC2</i>	MT c.4057G>T, p.E1353*	n.a.
K41	Carcinoma	MT c.4189G>T, p.E1397*	MT <i>APC2</i>	MT c.4189G>T, p.E1397*	n.a.
U82	Carcinoma	WT	WT	WT	n.a.
U108	Carcinoma	WT	WT	WT	n.a.
U181	Carcinoma	WT	WT	WT	WT
U186	Carcinoma	WT	MT <i>APC4</i>	MT c.4666_4667insA, p.T1556fs	n.a.

U192/2	Carcinoma	WT	WT	WT	n.a.
U214/4	Carcinoma	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	n.a.
U226	Carcinoma	WT	WT	WT	n.a.
U232	Carcinoma	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	n.a.
C4	Adenoma	MT c.4147_4148del, p.M1383fs	MT <i>APC2</i>	MT c.4147_4148del, p.M1383fs	MT <i>APC2</i>
C5	Adenoma	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>
C7	Adenoma	WT	WT	WT	n.a.
C9	Adenoma	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>
C10	Adenoma, advanced	WT	MT <i>APC4</i>	MT c.4666_4667insA, p.T1556fs	n.a.
C21	Adenoma	MT c.4057G>T, p.E1353*	MT <i>APC2</i>	MT c.4057G>T, p.E1353*	MT <i>APC2</i>
C24	Adenoma	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>
C25	Adenoma	MT c.4036_4037insA, p.S1346fs	MT <i>APC2</i>	MT c.4036_4037insA, p.S1346fs	MT <i>APC2</i>
C26	Adenoma	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	n.a.
C28	Adenoma	WT	WT	WT	n.a.
C40	Adenoma	WT	WT	WT	n.a.
C52	Adenoma, advanced	WT	MT <i>APC3.2</i>	MT c.4393_4394del, p.S1465fs	n.a.
C53	Adenoma, advanced	MT c.4319del, p.P1440fs	MT <i>APC3.1</i>	MT c.4319del, p.P1440fs	MT <i>APC3.1</i>
C54	Adenoma,	MT c.3927_3931del,	MT <i>APC1</i>	MT c.3927_3931del,	MT <i>APC1</i>

	advanced	p.E1309fs		p.E1309fs	
C60	Adenoma	WT	WT	WT	n.a.
C61	Adenoma, advanced	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>	MT c.3927_3931del, p.E1309fs	n.a.
C63	Adenoma, advanced	MT c.4358del, p.P1453fs	MT <i>APC3.1</i>	MT c.4358del, p.P1453fs	MT <i>APC3.1</i>
C70	Adenoma, advanced	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>
C71	Adenoma, advanced	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>	MT c.3927_3931del, p.E1309fs	WT
C80	Adenoma	MT c. [=/4479G>A], p.T1493=	WT	MT c. [=/4479G>A], p.T1493=	n.a.
C82	Adenoma	WT	WT	WT	n.a.
C83	Adenoma, advanced	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>
C84	Adenoma, advanced	WT	WT	WT	n.a.
C85	Adenoma, advanced	WT	WT	WT	n.a.
C86	Adenoma, advanced	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	n.a.
C90	Adenoma	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>	MT c.3927_3931del, p.E1309fs	n.a.
C91	Adenoma, advanced	MT c.4340del, p.Q1447fs	WT	WT	n.a.
C92	Adenoma, advanced	MT c. [=/4479G>A], p.T1493=	MT <i>APC4</i>	MT c. [=/4479G>A], p.T1493=	n.a.
C95	Adenoma, advanced	WT	WT	WT	n.a.

C96	Adenoma, advanced	WT	MT <i>APC1</i>	MT c.3935del, p.G1312fs	MT <i>APC1</i>
C97	Adenoma, advanced	WT	WT	WT	WT
C98	Adenoma	WT	WT	WT	WT
C99	Adenoma	WT	WT	WT	n.a.
C101	Adenoma, advanced	WT	WT	WT	n.a.
C102	Adenoma	WT	MT <i>APC1</i>	MT c.3927_3931del, p.E1309fs	MT <i>APC1</i>
C103	Adenoma, advanced	WT	WT	WT	n.a.
C104	Adenoma	WT	WT	WT	n.a.
C106	Adenoma, advanced	WT	WT	WT	n.a.
C107	Adenoma, advanced	WT	WT	WT	n.a.
C108	Adenoma, advanced	WT	WT	WT	n.a.
C109	Adenoma	WT	WT	WT	n.a.
C111	Adenoma	WT	WT	WT	n.a.
U112	Adenoma	MT c.4666_4667insA, p.T1556fs	MT <i>APC4</i>	MT c.4666_4667insA, p.T1556fs	MT <i>APC4</i>
U22	Adenoma, advanced	WT	WT	WT	n.a.
U73/3	Adenoma	MT c.4393_4394del, p.S1465fs	MT <i>APC3.2</i>	MT c.4393_4394del, p.S1465fs	MT <i>APC3.2</i>
U171/2	Adenoma, advanced	MT c.4348_4354del, p.R1450fs	MT <i>APC3.1</i>	MT c.4348_4354del, p.R1450fs	n.a.

U212/1	Adenoma	WT	WT	WT	WT
U214/1	Adenoma	MT c.4666_4667insA, p.T1556fs	MT <i>APC4</i>	MT c.4666_4667insA, p.T1556fs	MT <i>APC4</i>
U214/3	Adenoma, advanced	MT c.4666_4667insA, p.T1556fs	MT <i>APC4</i>	MT c.4666_4667insA, p.T1556fs	n.a.
U231/1	Adenoma, advanced	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	n.a.
C6	Serrated lesion, HP	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>
C19	Serrated lesion, SSP	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	n.a.
C20	Serrated lesion, SSP	WT	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	n.a.
C27	Serrated lesion, HP	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>	MT c.4348C>T, p.R1450*	MT <i>APC3.1</i>
C41	Serrated lesion, HP	WT	WT	WT	n.a.
C94	Serrated lesion, SSA	WT	WT	WT	WT
U212/2	Serrated lesion, HP	MT c.4393_4394del, p.S1465fs	MT <i>APC3.2</i>	MT c.4393_4394del, p.S1465fs	n.a.
U6	Serrated lesion, HP	WT	WT	WT	n.a.
C8	Normal mucosa with inflammation	WT	WT	WT	n.a.
C75	Normal mucosa	WT	WT	WT	WT
C81	Normal mucosa	WT	WT	WT	WT
C100	Normal mucosa with inflammation	WT	WT	WT	WT

C105	Normal mucosa with inflammation	WT	WT	WT	n.a.
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^a Advanced adenomas are those with a diameter of ≥ 1 cm and/or (tubulo)villous histology and/or with high grade dysplasia and/or ≥ 3 adenomas detected at the same colonic examination. SSA sessile serrated adenoma; SSP sessile serrated polyp without dysplasia; HP hyperplastic polyp

^b Classification according to the Union internationale contre le cancer (UICC)

^c Nomenclature of mutations according to guidelines of the Human Genome Variation Society. WT wild-type; MT mutation

^d n.a. not available