

Table S1

CASE ID	Molecular alteration	URINE			PLASMA	
		DOUC (dd/mm/yy)	ddPCR result (% FA) HMW	ddPCR result (% FA) LMW	DOBD (dd/mm/yy)	ddPCR result (% FA)
CRC-UD1	KRAS p.G13D	14/12/2015	negative	negative	14/12/2015	5%
CRC-UD2*	KRAS p.G12D	14/01/2016	17%		14/01/2016	9%
CRC-UD3	KRAS p.A146T	19/01/2016	negative	negative	19/01/2016	2.50%
CRC-UD4	KRAS p.G12V	17/02/2016	negative	negative	17/02/2016	12%
CRC-UD5	KRAS p.G13D	19/02/2016	negative	negative	19/02/2016	0.4%
CRC-UD6	KRAS p.G12C	24/02/2016	sample lost during trtDNA isolation		24/02/2016	12%
CRC-UD7	BRAF p.V600E	07/03/2016	negative	negative	07/03/2016	2.95%
CRC-UD8	BRAF p.V600E	15/03/2016	negative	negative	15/03/2016	3.40%
CRC-UD9*	BRAF p.V600E	02/05/2016	0.80%	5.20%	02/05/2016	46.10%
CRC-UD10	KRAS p.G12V	26/01/2016	negative	negative	26/01/2016	14.50%
CRC-UD11	KRAS p.A146T	16/03/2016	negative	negative	23/03/2015	19.50%
CRC-UD12	KRAS p.G12D	18/03/2016	negative	negative	23/03/2016	54.35%
CRC-UD13	KRAS p.G12V	06/04/2016	negative	negative	06/04/2016	54.60%
CRC-UD14	BRAF p.V600E	13/05/2016	negative	negative	13/05/2016	9.35%
CRC-UD15	KRAS p.G12V	25/02/2016	negative	negative	25/02/2016	2.40%
CRC-UD16	KRAS p.G13D	15/12/2015	negative	negative	15/12/2015	33.50%
CRC-UD17	BRAF p.V600E	24/03/2016	negative	negative	24/03/2016	53.75%
CRC-UD18	BRAF p.V600E	15/07/2015	negative	negative	15/07/2015	60%
CRC-UD19	BRAF p.V600E	16/09/2015	negative	negative	16/09/2015	13.50%
CRC-UD20	BRAF p.V600E	15/09/2015	negative	negative	15/09/2015	9%
CRC-UD21*	BRAF p.V600E	08/07/2014	14.70%	6.60%	08/07/2014	5%
CRC-UD22	BRAF p.V600E	18/02/2014	1.70%	3.10%	18/02/2014	34%
CRC-UD23	KRAS p.A146T	12/04/2016	negative	negative	12/04/2016	2.25%
CRC-UD24*	KRAS p.G13D	25/11/2014	2.69%	4.70%	25/11/2014	38.30%

* WES cases