

Table S1. Patient characteristics of colorectal cancer organoids used in this study

No	Biobank ID (*)	Age	Sex	MMR status (**)	Tumor localization	UICC Classification	Prior Radiation Therapy	Prior Chemotherapy	Normal organoids tested
P1	O17	78	male	MMRp	colon sigmoideum	IIIC	-	-	+
P2	O11	69	male	MMRp	colon sigmoideum	I	-	-	-
P3	O23	59	male	MMRp	rectum	IIIB	+	+	-
P4	O29	79	male	MMRp	colon descendens	IIIB	-	+	-
P5	O06	38	female	MMRp	colon sigmoideum	IIIA	-	-	+
P6	O28	68	male	MMRp	flexura hepatica	IVC	-	-	+
P7	O09	54	male	MMRp	rectum	IIIB	+	+	-
P8	O13	76	male	MMRp	colon descendens	IVB	+	+	-
P9	O24	55	male	MMRp	rectum	IVA	-	+	-
P10	O07	74	female	MMRd	caecum	IVB	-	-	-
P11	O02	78	male	MMRd	colon ascendens	IIA	-	-	-
P12	O14	46	male	MMRp	rectum	I	-	-	-

(*) part of the CRC organoid-stroma biobank (*under review*)

(**) organoids with >1000 somatic alterations detected by whole exome sequencing were defined as mismatch repair deficient (dMMR)

Table S2. Clinical data from all brain tumor patients

ID	Age (Years)	Sex	Tumor localization	Diagnosis
P1	78	Female	Left, occipital	Metastasis, malignant melanoma
P2	75	Male	Left, frontal	Newly diagnosed GBM, IDH- wt (WHO IV)
P3	60	Male	Right, parietal	Recurrent GBM, IDH-wt (WHO IV), radiochemotherapy

Table S3. Binding energies of 4-OI to different cysteine-containing sites in human IKK β

Binding site	IKK β Binding energy score (S) (kcal/mol)
Cys12	−6.8 to −7.6
Cys179	−7.0 to −8.1
Cys412	−8.2 to −10.0
Cys464	−7.7 to −9.0
Cys524	−6.5 to −7.1
Cys716	−5.1 to −5.7