









DNA-PKi (μΜ)

ATRi (µM)





D





KC <u>AKC</u> PAD

A





F





Ε





В



Panc163

Panc219



.

31









12,50

- Ranking metric scores

000 7,500 1 Rank in Ordered Data

- Enrichment profile - Hits





Gut

	Shindo et al, 2017	Brand et al, 2018	Yurgelun et al, 2019	Total mutations	Mutation prevalence (%)
ATM	10	10	4	24	1.67
BRCA2	12	4	4	20	1.39
BRCA1	3	4	3	10	0.69
PALB2	2	1	1	4	0.28
MLH1	2	0	0	2	0.14
MSH2	0	0	1	1	0.07
STK11	0	0	0	0	0.00
RPA1	N/A	N/A	N/A	N/A	N/A

Name	Company	
185	Fw: 5'-GTAACCCGTTGAACCCCATT-3', Biomers	
	Rev: 5'-CCATCCAATCGGTAGTAGCG-3', Biomers	
Abcb1a	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Abcc1	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Abcc2	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Abcg2	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Atp7a	KiCqStart SYBR Green Primers, Sigma-Aldrich	
ATM	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Bak1	Fw: 5'-AAGGTGGGCTGCGATGAGTCC-3', Biomers	
	Rev: 5'-GGGTCTCCTGTTCCTGCTGGTG-3', Biomers	
Bax	Fw: 5'-TAGCAAACTGGTGCTCAAGG-3', Biomers	
	Rev: 5'-TCTTGGATCCAGACAAGCAG-3', Biomers	
Cdh2	Fw: 5'-CATCAACCGGCTTAATGGTG-3', Biomers	
	Rev: 5'-ACTTTCACACGCAGGATGGA-3', Biomers	
Gstm1	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Gstp1	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Gstt1	KiCqStart SYBR Green Primers, Sigma-Aldrich	
HPRT	Hs_HPRT1_1_SG QuantiTect Primer Assay, Qiagen	
Lig1	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Mdm2	KiCqStart SYBR Green Primers, Sigma-Aldrich	
Noxa	Fw: 5'-GAGTGCACCGGACATAACTG-3', Biomers	
	Rev: 5'-CTCGTCCTTCAAGTCTGCTG-3', Biomers	
P21Cip1	Fw: 5'-GTACTTCCTCTGCCCTGCTG-3', Biomers	
	Rev: 5'-TTTCGGCCCTGAGATGTTCC-3', Biomers	
Snai1	Fw: 5'-TGGTATCTCTTCACATCCGAG-3', Biomers	
	Rev: 5'-GTGAGAAGCCATTCTCCTGC-3', Biomers	
Tgfb1	mM_Tgfb_1_SG QuantiTect Primer Assay, Qiagen	
Trp53inp1	Fw: 5'-TCCTCAGCAGAGCACACTTC-3', Biomers	
	Rev: 5'-TCCATTGGACAGGACTCAAA-3', Biomers	

Name	Antibody specification	Dilution	Company	
АСТВ (С4)	Mouse monoclonal	1:5,000	Santa Cruz Biotechnology	
BrdU (B44; for detection of IdU)	Mouse monoclonal	1:50	BD BioScience	
BrdU (BU1/75; for detection of CldU)	Rat monoclonal	1:100	Novus	
Cleaved-CASP3 (D175) (5A1E)	Rabbit monoclonal	1:1,000	Cell Signaling Technology	
CDH1 (24E10)	Rabbit polyclonal	1:1,000	Cell Signaling Technology	
CDH1 (36)	Mouse monoclonal	1:500	BD BioScience	
CDH2 (D4R1H)	Rabbit monoclonal	1:1,000	Cell Signaling Technology	
CK19 (RCK108)	Mouse monoclonal	1:500	Dako	
H2AX p-S139 (20E3)	Rabbit monoclonal	1:1,000	Cell Signaling Technology	
KI67 (SP6)	Rabbit monoclonal	1:1,000	Thermo Fisher Scientific	
Mouse IgG	HRP-conjugated Rabbit	1:5,000	Dako	
Mouse IgG	Alexa Fluor 488 dye-	1:500	Thermo Fisher Scientific	
	conjugated			
Mouse IgG	Alexa Fluor 555 dye-	1:250	Thermo Fisher Scientific	
	conjugated			
Mouse IgG	Alexa Fluor 568 dye-	1:500	Thermo Fisher Scientific	
	conjugated			
P53 (C12)	Mouse monoclonal	1:1,000	Cell Signaling Technology	
P53 p-S15 (D4S1H)	Rabbit monoclonal	1:1,000	Cell Signaling Technology	
PARP	Rabbit polyclonal	1:1,000	Cell Signaling Technology	
PCNA (PC10)	Mouse monoclonal	1:1,000	Santa Cruz Biotechnology	
Rabbit IgG	HRP-conjugated Goat	1:5,000	Santa Cruz Biotechnology	
Rabbit IgG	Alexa Fluor 488 dye-	1:500	Thermo Fisher Scientific	
	conjugated			
Rat IgG	Alexa Fluor 488 dye-	1:400	Thermo Fisher Scientific	
	conjugated			
Rabbit IgG	Alexa Fluor 568 dye-	1:500	Thermo Fisher Scientific	
	conjugated			
VIM (D21H3)	Rabbit monoclonal	1:1,000	Cell Signaling Technology	

Lineage	CD3-Bio	CD11b-Bio	B220-Bio	Gr1-Bio	TER-119-Bio	CD5-Bio
Common lymphoid progenitors (CLP)	Lineage*	CD127-AF700	c-Kit-APC-Cy7	Sca-1-BV605		
Common myeloid progenitors (CMP)	Lineage*	CD127-AF700*	c-Kit-APC-Cy7	Sca-1- BV605*	CD34- eFluor660	CD16/32-FITC*
Megakaryocyte- erythrocyte progenitors (MEP)	Lineage*	CD127-AF700*	c-Kit-APC-Cy7	Sca-1- BV605*	CD34- eFluor660*	CD16/32-FITC*
Granulocyte- macrophage progenitors (GMP)	Lineage*	CD127-AF700*	c-Kit-APC-Cy7	Sca-1- BV605*	CD34- eFluor660	CD16/32-FITC
CD3 ⁺ T cells	CD3-FITC					
B cells	CD3-FITC*	B220-Bio	CD19-PE	Streptavidin- BV605		
NK cells	CD3-FITC*	NKp46-APC				
Macrophages	CD11b-PE-Cy7	F4/80-PE	CD68-AF700			
Neutrophils	CD11b-PE-Cy7	Gr1-Bio	Ly6b-FITC	F4/80-PE*	Streptavidin- BV605	
Myeloid dendritic cells (mDCs)	CD11b-PE-Cy7	CD11c-APC	CD80-PE	CD86-FITC		
Plasmacytoid dendritic cells (pDCs)	CD11b-PE-Cy7*	CD11c-APC	B220-Bio	Streptavidin- BV605		

Antibody	Conjugate	Vendor	Clone
CD3e	Biotin (Bio)	eBioscience	145-2C11
CD3e	FITC	eBioscience	145-2C11
CD5	Bio	BD Biosciences	53-7.3
CD11b	Bio	eBioscience	M1/70
CD11b	PE-Cy7	eBioscience	M1/70
CD11c	APC	eBioscience	N418
CD16/32	FITC	eBioscience	93
CD19	PE	BD Biosciences	1D3
CD34	eFluor660	eBioscience	RAM34
CD68	AF700	AbD Serotec	FA-11
CD80	PE	BD Biosciences	16-10A1
CD86	FITC	BD Biosciences	GL1
CD127	AF700	eBioscience	A7R34
c-Kit	APC-Cy7	eBioscience	2B8
B220	Bio	BD Biosciences	RA3-6B2
F4/80	PE	eBioscience	BM8
Gr1	Bio	BioLegend	RB6-8C5
Ly6b	FITC	Miltenyi	REA115
NKp46	APC	eBioscience	29A1.4
Sca-1	BV605	BioLegend	D7
TER-119	Bio	BioLegend	TER-119
Streptavidin	BV605	BioLegend	
Streptavidin	PE-TexasRed	BD Biosciences	