

**Genliste FoundationOne®CDx**
**Mutationen<sup>1</sup>**

<b>ABL1</b>	<b>ACVR1B</b>	<b>AKT1</b>	<b>AKT2</b>	<b>AKT3</b>	<b>ALK</b>
<b>ALOX12B</b>	<b>AMER1 (FAM123B)</b>	<b>APC</b>	<b>AR</b>	<b>ARAF</b>	<b>ARFRP1</b>
<b>ARID1A</b>	<b>ASXL1</b>	<b>ATM</b>	<b>ATR</b>	<b>ATRX</b>	<b>AURKA</b>
<b>AURKB</b>	<b>AXIN1</b>	<b>AXL</b>	<b>BAP1</b>	<b>BARD1</b>	<b>BCL2</b>
<b>BCL2L1</b>	<b>BCL2L2</b>	<b>BCL6</b>	<b>BCOR</b>	<b>BCORL1</b>	<b>BRAF</b>
<b>BRCA1</b>	<b>BRCA2</b>	<b>BRD4</b>	<b>BRIP1</b>	<b>BTG1</b>	<b>BTG2</b>
<b>BTK</b>	<b>C11orf30 (EMSY)</b>	<b>CALR</b>	<b>CARD11</b>	<b>CASP8</b>	<b>CBFB</b>
<b>CBL</b>	<b>CCND1</b>	<b>CCND2</b>	<b>CCND3</b>	<b>CCNE1</b>	<b>CD22</b>
<b>CD274 (PD-L1)</b>	<b>CD70</b>	<b>CD79A</b>	<b>CD79B</b>	<b>CDC73</b>	<b>CDH1</b>
<b>CDK12</b>	<b>CDK4</b>	<b>CDK6</b>	<b>CDK8</b>	<b>CDKN1A</b>	<b>CDKN1B</b>
<b>CDKN2A</b>	<b>CDKN2B</b>	<b>CDKN2C</b>	<b>CEBPA</b>	<b>CHEK1</b>	<b>CHEK2</b>
<b>CIC</b>	<b>CREBBP</b>	<b>CRKL</b>	<b>CSF1R</b>	<b>CSF3R</b>	<b>CTCF</b>
<b>CTNNA1</b>	<b>CTNNB1</b>	<b>CUL3</b>	<b>CUL4A</b>	<b>CXCR4</b>	<b>CYP17A1</b>
<b>DAXX</b>	<b>DDR1</b>	<b>DDR2</b>	<b>DIS3</b>	<b>DNMT3A</b>	<b>DOT1L</b>
<b>EED</b>	<b>EGFR</b>	<b>EP300</b>	<b>EPHA3</b>	<b>EPHB1</b>	<b>EPHB4</b>
<b>ERBB2</b>	<b>ERBB3</b>	<b>ERBB4</b>	<b>ERCC4</b>	<b>ERG</b>	<b>ERRFI1</b>
<b>ESR1</b>	<b>EZH2</b>	<b>FAM46C</b>	<b>FANCA</b>	<b>FANCC</b>	<b>FANCG</b>
<b>FANCL</b>	<b>FAS</b>	<b>FBXW7</b>	<b>FGF10</b>	<b>FGF12</b>	<b>FGF14</b>
<b>FGF19</b>	<b>FGF23</b>	<b>FGF3</b>	<b>FGF4</b>	<b>FGF6</b>	<b>FGFR1</b>
<b>FGFR2</b>	<b>FGFR3</b>	<b>FGFR4</b>	<b>FH</b>	<b>FLCN</b>	<b>FLT1</b>
<b>FLT3</b>	<b>FOXL2</b>	<b>FUBP1</b>	<b>GABRA6</b>	<b>GATA3</b>	<b>GATA4</b>
<b>GATA6</b>	<b>GID4 (C17orf39)</b>	<b>GNA11</b>	<b>GNA13</b>	<b>GNAQ</b>	<b>GNAS</b>
<b>GRM3</b>	<b>GSK3B</b>	<b>H3F3A</b>	<b>HDAC1</b>	<b>HGF</b>	<b>HNF1A</b>
<b>HRAS</b>	<b>HSD3B1</b>	<b>ID3</b>	<b>IDH1</b>	<b>IDH2</b>	<b>IGF1R</b>

IKBKE	IKZF1	INPP4B	IRF2	IRF4	IRS2
JAK1	JAK2	JAK3	JUN	KDM5A	KDM5C
KDM6A	KDR	KEAP1	KEL	KIT	KLHL6
KMT2A (MLL)	KMT2D (MLL2)	KRAS	LTK	LYN	MAF
MAP2K1 (MEK1)	MAP2K2 (MEK2)	MAP2K4	MAP3K1	MAP3K13	MAPK1
MCL1	MDM2	MDM4	MED12	MEF2B	MEN1
MERTK	MET	MITF	MKNK1	MLH1	MPL
MRE11A	MSH2	MSH3	MSH6	MST1R	MTAP
MTOR	MUTYH	MYC	MYCL (MYCL1)	MYCN	MYD88
NBN	NF1	NF2	NFE2L2	NFKBIA	NKX2-1
NOTCH1	NOTCH2	NOTCH3	NPM1	NRAS	NT5C2
NTRK1	NTRK2	NTRK3	P2RY8	PALB2	PARK2
PARP1	PARP2	PARP3	PAX5	PBRM1	PDCD1 (PD-1)
PDCD1LG2 (PD-L2)	PDGFRA	PDGFRB	PKD1	PIK3C2B	PIK3C2G
PIK3CA	PIK3CB	PIK3R1	PIM1	PMS2	POLD1
POLE	PPARG	PPP2R1A	PPP2R2A	PRDM1	PRKAR1A
PRKCI	PTCH1	PTEN	PTPN11	PTPRO	QKI
RAC1	RAD21	RAD51	RAD51B	RAD51C	RAD51D
RAD52	RAD54L	RAF1	RARA	RB1	RBM10
REL	RET	RICTOR	RNF43	ROS1	RPTOR
SDHA	SDHB	SDHC	SDHD	SETD2	SF3B1
SGK1	SMAD2	SMAD4	SMARCA4	SMARCB1	SMO
SNCAIP	SOCS1	SOX2	SOX9	SPEN	SPOP
SRC	STAG2	STAT3	STK11	SUFU	SYK
TBX3	TEK	TET2	TGFBR2	TIPARP	TNFAIP3
TNFRSF14	TP53	TSC1	TSC2	TYRO3	U2AF1
VEGFA	VHL	WHSC1 (MMSET)	WHSC1L1	WT1	XPO1
XRCC2	ZNF217	ZNF703			

**Fusionen<sup>2</sup>**

<b>ALK</b>	<b>BCL2</b>	<b>BCR</b>	<b>BRAF</b>	<b>BRCA1</b>	<b>BRCA2</b>
<b>CD74</b>	<b>EGFR</b>	<b>ETV4</b>	<b>ETV5</b>	<b>ETV6</b>	<b>EWSR1</b>
<b>EZR</b>	<b>FGFR1</b>	<b>FGFR2</b>	<b>FGFR3</b>	<b>KIT</b>	<b>KMT2A (MLL)</b>
<b>MSH2</b>	<b>MYB</b>	<b>MYC</b>	<b>NOTCH2</b>	<b>NTRK1</b>	<b>NTRK2</b>
<b>NUTM1</b>	<b>PDGFRA</b>	<b>RAF1</b>	<b>RARA</b>	<b>RET</b>	<b>ROS1</b>
<b>RSPO2</b>	<b>SDC4</b>	<b>SLC34A2</b>	<b>TERC<sup>3</sup></b>	<b>TERT<sup>4</sup></b>	<b>TMPRSS2</b>

1 FoundationOne®CDx deckt die kompletten kodierenden Exone der aufgeführten Gene ab, für den Nachweis von allen genomischen Alterationen wie Substitutionen, Insertionen-Deletionen (indels), Kopienzahlvariationen (CNAs) und Fusionen (rearrangements).

2 Gene mit ausgesuchten Introns für die Detektion von Rearrangierungen; ein Gen mit Promoterregion; Ein Gen für nicht kodierende RNA.

3 TERC ist ein Gen für nichtkodierende RNA.

4 Nur Promoterregion des TERT gens.