

The OncoSELECT[®] gene panel contains a total of 58 genes that were carefully selected based on their biological and therapeutic relevance.

DNA

GENE	EXONS
APC	2 to 16
ARID1A	1 to 20
ATM	2 to 63
BRCA1	2 to 23
BRCA2	2 to 27
CCND1	1 to 5
CCNE1	2 to 12
ERBB2	1 to 27
FBXW7	2 to 12
FGFR2	2 to 18
FGFR3	2 to 18
H3F3A	1 to 3
HRAS	2 to 5

WHOLE CODING SEQUENCE

GENE	EXONS
KRAS	2 to 5
MET	2 to 21
NRAS	2 to 5
PALB2	1 to 13
PIK3CA	2 to 21
PTEN	1 to 9
RET	1 to 20
SMAD4	2 to 12
SMO	1 to 12
STK11	1 to 9
TP53	2 to 11
VHL	1 to 3

DNA

GENE	INTRONS
ALK	6, 17, 18, 19, 20, 22
BRCA1	2, 7, 8, 12, 16, 19, 20
BRAF	1, 7, 8, 9, 10
BRCA2	2
CD74	6, 7, 8
EGFR	6, 7, 15, 16, 24, 25, 26, 27
ETV4	1, 8
ETV5	6, 7
ETV6	5, 6
EWSR1	7, 8, 9, 10, 11, 12, 13
FGFR1	1, 4, 5, 6, 16, 17

TILING TRANSLOCATION

GENE	INTRONS
FGFR2	17
FGFR3	15, 16, 17, 18
KIT	16
MET	9, 11, 13, 14
NRG1	3, 4, 5
NTRK1	6, 8, 9, 10, 11, 12, 13
NTRK2	12, 13, 16, 18
RAF1	4, 7
RET	7, 8, 9, 10, 11, 12, 13
ROS1	31, 32, 33, 34, 35





DNA

GENE	EXONS
ALK	21 to 25
AKT1	2
AR	4, 8
BRAF	11, 12, 15
EGFR	12 to 21

EXON

GENE	EXONS
ESR1	3 to 8
IDH1	4
IDH2	4
KIT	8 to 18
PDGFRA	6, 12, 14, 18
ROS1	38

DNA

GENE	TERT

PROMOTOR

DNA

GENE							
ARAF	CTNNB1	DDR2	EZH2	GNA11	GNAQ	GNAS	KIT (Introns 10 & 11)
MPL	mTOR	NF1	NTRK1	POLE			

TARGETED HOTSPOT

SELECT_GENE_SHORT-LIST-DA-MIX-20220303