

Gen	NCBI_referentie_sequentie	Exons	Variant type	Descriptie
ALK	NM_004304	2,4,6,8,10,12,14,16,17,18,19,intron19,20,mid-exon20,21,22,23,26	fusie, internal del	5'
ALK	NM_004304	1,2	fusie, internal del	3'
ALK	NM_004304	22,23,25	SNV	T1151-C1156, F1174, L1196-S1206, G1269
BCOR	NM_001123385	2,4,mid-exon4,6,7,mid-exon7,10,12,14,15	fusie, ITD	3'
BCOR	NM_001123385	3,mid-exon2,4,mid-exon4,5,6,7,8,9,11,15	fusie, ITD	5'
BCOR	NM_017745	8	fusie	5'
BRAF	NM_004333	1,2,3,7,8,10,13,18	fusie, KDD, internal del	3'
BRAF	NM_004333	2,3,4,5,7,8,9,10,11,12,15,16	fusie, KDD, internal del	5'
BRAF	NM_004333	15	SNV	V600
CAMTA1	NM_015215	8,9,mid-exon9,10	fusie	5'
CAMTA1	NM_015215	3	fusie	3'
CIC	NM_015125	12,14,15,16,17,18, mid-exon19,19,mid-exon20,20*	fusie	3'
CIC	NM_015125	12	fusie	5'
CSF1	NM_000757	2,3,4,5,6	fusie	5'
CSF1	NM_000757	5,6,7,8*,9*	fusie	3'
CSF1	NM_172212	9*	fusie	3'
CTNNB1	NM_001904	3	SNV	D32-S37
EGFR	NM_005228	1,24,25	fusie, EGFR VIII, KDD	3'
EGFR	NM_005228	7,8,9,15,16,17,18,19,20	fusie, EGFR VIII, KDD	5'
EGFR	NM_005228	18,19,20,21	SNV	E709-G719, E746-L760, V774-G796, L858-L861
EPC1	NM_025209	9, 10, 11	fusie	3'
ERG	NM_004449	2*,3*,4,5,6,7,8,9,10,11	fusie	5'
ESR1	NM_000125	6,7	fusie	3'
ESR1	NM_001122742	3,4,5,6,7	fusie	3'
ESR1	NM_000125	7,8	fusie	5'
ESR1	NM_001122742	7,8	fusie	5'
EWSR1	NM_005243	4,5,6,7,8,9,10,11,12,13,14	fusie	3'
EWSR1	NM_005243	8	fusie	5'
FGFR1	NM_015850	2*,3,4,5,6,7,8,9,10,11,17	fusie, KDD	5'
FGFR1	NM_015850	12,17	fusie, KDD	3'
FGFR1	NM_023110	4,14,12	SNV	T141, V561, K656
FGFR2	NM_000141	2*,3,5,6,7,8,9,10	fusie	5'
FGFR2	NM_000141	16, 17, 18	fusie	3'
FGFR2	NM_000141	7,9,12,13,14	SNV	S252-P253, G305, Y375-V395, I547-N549, V564, A648-K659
FGFR3	NM_000142	3,5,8,9,10,11,12,13,14	fusie	5'
FGFR3	NM_000142	16,17,intron17,mid-exon18	fusie	3'
FGFR3	NM_000142	7,9,13,14	SNV	R248-S249, G370-R399, V555, D641-K650, G697-K715
FOS	NM_005252	mid-exon4	fusie	3'
FOSB	NM_006732	1*,mid-exon1*,1,2	fusie	5'
FOXO1	NM_002015	1*,2*,3	fusie	5'
FOXO1	NM_002015	1*,2*,3	fusie	3'
FUS	NM_004960	3,4,5,mid-exon6,6,7,8,9,10,11,13,14	fusie	3'
GLI1	NM_005269	4,5,6,7	fusie	3'
GLI1	NM_005269	4,5,mid-exon5,6,7	fusie	5'
HMGGA2	NM_003483	1,2,3,4,mid-exon5*,5*	fusie	3'
JAZF1	NM_175061	2,3,4	fusie	3'
MDM2	NM_002392	2,4,6,8,10	fusie, expressie	3'
MDM2	NM_002392	5,9	fusie, expressie	5'
MEAF6	NM_001270875	4,5	fusie	3'
MET	NM_000245	2,13	fusie, ex14 skipping	3'
MET	NM_000245	2,4,5,6,13,14,15,16,17,21	fusie, ex14 skipping	5'
MGEA5	NM_012215	4,5,6,7,8,9,12,13,14,15	fusie, expressie	5'
MKL2	NM_014048	11,12,13	fusie	5'
MYOD1	NM_002478	1	mutatie	L122R
NCOA1	NM_147223	11,12,13,14,intron14,15	fusie	5'
NCOA2	NM_006540	11,12,13,14, intron14,15,16,22	fusie	5'
NCOA2	NM_006540	14	fusie	3'
NR4A3	NM_173200	2*,3*,4,5,7,9	fusie, expressie	5'
NR4A3	NM_173200	8	fusie, expressie	3'
NTRK1	NM_002529	1,2,3,4,5,6,7,8,9,10,11,12,13,14	fusie	5'
NTRK1	NM_001007792 1,2	1,2	fusie	3'
NTRK1	NM_002529	13,14,15,16,17	SNV	resistentie mutaties
NTRK2	NM_006180	11,14	fusie	3'
NTRK2	NM_006180	4,5,6,7,8,9,10,11,12,13,14,15,16,17,18	fusie	5'
NTRK2	NM_006180	16,17,18,19,20,21	SNV	resistentie mutaties
NTRK3	NM_002530	3,4,5,6,7,8,9,10,11,12,13,14,15,16	fusie	5'

<i>NTRK3</i>	NM_002530	13,14,15,17	fusie	3'
<i>NTRK3</i>	NM_001007156	15	fusie	5'
<i>NTRK3</i>	NM_002530	15,16,17,18,19	SNV	resistentie mutaties
<i>NUTM1</i>	NM_175741	2*,3,mid-exon3,4,5,mid-exon6,6	fusie	5'
<i>PAX3</i>	NM_181459	3,5,6,7,8	fusie, expressie	3'
<i>PAX3</i>	NM_181459	2,4,8	fusie, expressie	5'
<i>PDGFB</i>	NM_002608	2,3	fusie	5'
<i>PHF1</i>	NM_024165	1*,2	fusie	5'
<i>PHF1</i>	NM_024165	10,11,12	fusie	3'
<i>PLAG1</i>	NM_002655	1,2,3,4	fusie	5'
<i>PRKCA</i>	NM_002737	4,5,6,9	fusie	5'
<i>PRKCB</i>	NM_002738	1,3,7,8,9	fusie	5'
<i>PRKCD</i>	NM_006254	10,11,12	fusie	5'
<i>RAF1</i>	NM_002880	4,5,6,7,9	fusie	3'
<i>RAF1</i>	NM_002880	4,5,6,7,8,9,10,11,12	fusie	5'
<i>RET</i>	NM_020975	8,9,10,11,mid-exon11,12,13,14	fusie	5'
<i>RET</i>	NM_020630	2,4,6	fusie	5'
<i>RET</i>	NM_020975	15,16	SNV	A883,M918
<i>ROS1</i>	NM_002944	2,4,7,31,32,33,34, 35,36,37	fusie	5'
<i>ROS1</i>	NM_002944	38	SNV	G2032
<i>SS18</i>	NM_001007559	2,3,4,5,6,10,11	fusie	5'
<i>SS18</i>	NM_001007559	4,5,6,8,9,10	fusie	3'
<i>STAT6</i>	NM_001178078	1*,2*,3,4,5,6,7,15,16,17,18,19,20	fusie	5'
<i>TAF15</i>	NM_139215	6,7	fusie	5'
<i>TAF15</i>	NM_139215	5,6,7,9	fusie	3'
<i>TCF12</i>	NM_207036	4,5,6	fusie	3'
<i>TFE3</i>	NM_006521	2,3,4,5,6,7,8	fusie	5'
<i>TFE3</i>	NM_006521	2,3,4,5,6	fusie	3'
<i>TFG</i>	NM_006070	3,4,5,6,7,mid-exon8	fusie	3'
<i>TFG</i>	NM_006070	6	fusie	5'
<i>USP6</i>	NM_004505	1*,mid-exon1*,2*,3	fusie	5'
<i>VGLL2</i>	NM_182645	1,2,3,intron 3,4	fusie	3'
<i>YAP1</i>	NM_001130145	1,2,3,4,5,6,7	fusie	3'
<i>YAP1</i>	NM_001130145	1,mid-exon1,2,3,4,8,9	fusie	5'
<i>YWHAE</i>	NM_006761	5	fusie	3'

*exons die volledig in UTR liggen, of waarvoor de UTR is bedoeld