

Gene	NCBI transcript Ref. Seq GRCh37/hg19	Exon	Target region (Chromosome:start-end)	Target region (codons)
NRAS	NM_002524.4	4	chr1:115252139-115252450	NRAS_ex4_R97-Q150
NRAS	NM_002524.4	3	chr1:115256388-115256613	NRAS_ex3_D38-R97
NRAS	NM_002524.4	2	chr1:115258670-115258869	NRAS_ex2_M1-E37
ALK	NM_004304.4	25	chr2:29432652-29432793	ALK_ex25_R1248-R1279
ALK	NM_004304.4	23	chr2:29443553-29443758	ALK_ex23_S1172-P1215
ALK	NM_004304.4	22	chr2:29445179-29445282	ALK_ex22_T1151-S1172
IDH1	NM_005896.3	4	chr2:209113085-209113360	IDH1_ex4_R49-Q138_U2
IDH1	NM_005896.3	4	chr2:209113363-209113461	IDH1_ex4_S41-N48
PIK3CA	NM_006218.3	2	chr3:178916614-178916991	PIK3CA_ex2_M1-G118_U2
PIK3CA	NM_006218.3	3	chr3:178917411-178917540	PIK3CA_ex3_G118-F139_U2
PIK3CA	NM_006218.3	5	chr3:178921530-178921622	PIK3CA_ex5_N338-K353_U2
PIK3CA	NM_006218.3	8	chr3:178927932-178928021	PIK3CA_ex8_N418-D434_U2
PIK3CA	NM_006218.3	10	chr3:178936019-178936115	PIK3CA_ex10_N521-S553
PIK3CA	NM_006218.3	21	chr3:178951852-178952208	PIK3CA_ex21_R979-*1069
FGFR3	NM_000142.4	7	chr4:1803557-1803646	FGFR3_ex7_E247-C275
FGFR3	NM_000142.4	9	chr4:1806057-1806120	FGFR3_ex9_A359-G380
PDGFRA	NM_006206.4	12	chr4:55140999-55141181	PDGFRA_ex12_K552-G596
PDGFRA	NM_006206.4	14	chr4:55143998-55144173	PDGFRA_ex14_P631-G668
PDGFRA	NM_006206.4	18	chr4:55151949-55152144	PDGFRA_ex18_C814-S854
KIT	NM_000222.2	9	chr4:55592017-55592252	KIT_ex9_R449-E514
KIT	NM_000222.2	11	chr4:55593537-55593780	KIT_ex11_K550-G592
KIT	NM_000222.2	13	chr4:55594095-55594290	KIT_ex13_P627-G664
KIT	NM_000222.2	14	chr4:55595448-55595684	KIT_ex14_G664-C714
KIT	NM_000222.2	15	chr4:55597495-55597586	KIT_ex15_S715-G745
KIT	NM_000222.2	17	chr4:55599231-55599383	KIT_ex17_C788-N828
KIT	NM_000222.2	18	chr4:55602584-55602861	KIT_ex18_A829-G866
ROS1	NM_002944.2	38	chr6:117638304-117638397	ROS1_ex38_V2015-T2045
EGFR	NM_005228.3	3	chr7:55211044-55211113	EGFR_ex3_V96-L119
EGFR	NM_005228.3	7	chr7:55221621-55221902	EGFR_ex7_V250-R297
EGFR	NM_005228.3	15	chr7:55232976-55233134	EGFR_ex15_P576-G627
EGFR	NM_005228.3	18	chr7:55241577-55241769	EGFR_ex18_L688-K728
EGFR	NM_005228.3	19	chr7:55242378-55242535	EGFR_ex19_G729-D761
EGFR	NM_005228.3	20	chr7:55248973-55249210	EGFR_ex20_E762-K823
EGFR	NM_005228.3	21	chr7:55259371-55259578	EGFR_ex21_G824-K875
MET	NM_001127500.2	13	chr7:116411721-116412143	MET_ex14_D981-D1028
MET	NM_001127500.2	19	chr7:116423367-116423542	MET_ex19_E1232-V1284
BRAF	NM_004333.4	15	chr7:140453064-140453225	BRAF_ex15_N581-M620
BRAF	NM_004333.4	11	chr7:140481364-140481563	BRAF_ex11_K439-G478
RET	NM_020975.4	10	chr10:43609005-43609200	RET_ex10_R587-D627
RET	NM_020975.4	11	chr10:43609913-43610247	RET_ex11_D627-L712
RET	NM_020975.4	13	chr10:43613815-43614007	RET_ex13_E762-G798
RET	NM_020975.4	15	chr10:43615487-43615656	RET_ex15_L870-Q910
RET	NM_020975.4	16	chr10:43617342-43617479	RET_ex16_G911-V934
HRAS	NM_005343.3	3	chr11:533765-533972	HRAS_ex3_D38-R97
HRAS	NM_005343.3	2	chr11:534194-534382	HRAS_ex2_M1-E37
KRAS	NM_004985.4	4	chr12:25378517-25378745	KRAS_ex4_R97-Q150
KRAS	NM_004985.4	3	chr12:25380167-25380349	KRAS_ex3_D38-R97
KRAS	NM_004985.4	2	chr12:25398150-25398309	KRAS_ex2_Y4-E37
IDH2	NM_002168.3	4	chr15:90631796-90631999	IDH2_ex4_E125-Q178
ERBB2	NM_004448.3	20	chr17:37880967-37881030	ERBB2_ex20_E770-G787