

Genes	Targeted Fusion Transcripts (5' - 3')*	Reference transcripts (5' - 3')	Validated
A2M-ALK	A2M exon 22 - ALK exon 19	NM_000014.5 - NM_004304.4	
ACBD5-RET	ACBD5 exon 11 - RET exon 12	NM_145698.4 - NM_020975.4	
ACTG2-ALK	ACTG2 exon 2 - ALK exon 18	NM_001615.3 - NM_004304.4	
AFAP1-NTRK2	AFAP1 exon 14 - NTRK2 exon 12	NM_001134647.1 - NM_006180.4	
AFAP1-RET	AFAP1 exon 3 - RET exon 12	NM_001134647.1 - NM_020975.4	
AGBL4-NTRK2	AGBL4 exon 6 - NTRK2 exon 16	NM_032785.3 - NM_006180.4	
AGTRAP-BRAF	AGTRAP exon 5 - BRAF exon 8	NM_020350.4 - NM_004333.4	
AKAP13-RET	AKAP13 exon 35 - RET exon 12	NM_007200.4 - NM_020975.4	
AKAP13-RET	AKAP13 exon 36 - RET exon 12	NM_007200.4 - NM_020975.4	
AKAP9-BRAF	AKAP9 exon 8 - BRAF exon 9	NM_005751.4 - NM_004333.4	
ALK-PTPN3	ALK exon 11 - PTPN3 exon 3	NM_004304.4 - NM_002829.3	
ATIC-ALK	ATIC exon 7 - ALK exon 20	NM_004044.6 - NM_004304.4	
AXL-MBIP	AXL exon 20 - MBIP exon 4	NM_021913.4 - NM_016586.2	
B4GALT1-RAF1	B4GALT1 exon 1 - RAF1 exon 8	NM_001497.3 - NM_002880.3	
BAG4-FGFR1	BAG4 exon 1 - FGFR1 exon 8	NM_004874.3 - NM_023110.2	
BAG4-FGFR1	BAG4 exon 2 - FGFR1 exon 6	NM_004874.3 - NM_023110.2	
BAIAP2L1-MET	BAIAP2L1 exon 9 - MET exon 15	NM_018842.4 - NM_000245.3	
BCAN-NTRK1	BCAN exon 13 - NTRK1 exon 11	NM_021948.4 - NM_001007792.1	
BTBD1-NTRK3	BTBD1 exon 4 - NTRK3 exon 14	NM_025238.30 - NM_002530.3	
C2orf44-ALK	C2orf44 exon 4 - ALK exon 20	NM_025203.2 - NM_004304.4	
C8orf34-MET	C8orf34 exon 2 - MET exon 15	NM_052958.2 - NM_000245.3	
CAPZA2-MET	CAPZA2 exon 4 - MET exon 11	NM_006136.2 - NM_000245.3	
CARS-ALK	CARS exon 17 - ALK exon 20	NM_001751.5 - NM_004304.4	
CCDC6-RET	CCDC6 exon 1 - RET exon 11	NM_005436.4 - NM_020975.4	Yes
CCDC6-RET	CCDC6 exon 1 - RET exon 12	NM_005436.4 - NM_020975.4	Yes
CCDC6-RET	CCDC6 exon 1 - RET exon 13	NM_005436.4 - NM_020975.4	Yes
CCDC6-RET	CCDC6 exon 2 - RET exon 12	NM_005436.4 - NM_020975.4	
CCDC6-RET	CCDC6 exon 8 - RET exon 11	NM_005436.4 - NM_020975.4	
CCDC6-RET	CCDC6 exon 8 - RET exon 12	NM_005436.4 - NM_020975.4	
CCDC6-ROS1	CCDC6 exon 5 - ROS1 exon 35	NM_005436.4 - NM_002944.2	
CD74-NTRK1	CD74 exon 7 - NTRK1 exon 10	NM_004355.3 - NM_001007792.1	
CD74-ROS1	CD74 exon 4 - ROS1 exon 33	NM_004355.3 - NM_002944.2	Yes
CD74-ROS1	CD74 exon 6 - ROS1 exon 32	NM_004355.3 - NM_002944.2	
CD74-ROS1	CD74 exon 6 - ROS1 exon 34	NM_004355.3 - NM_002944.2	Yes
CD74-ROS1	CD74 exon 6 - ROS1 exon 35	NM_004355.3 - NM_002944.2	Yes
CDC27-BRAF	CDC27 exon 16 - BRAF exon 9	NM_001256.4 - NM_004333.4	
CEL-NTRK1	CEL exon 7 - NTRK1 exon 7	NM_001807.4 - NM_001007792.1	
CEP85L-ROS1	CEP85L exon 8 - ROS1 exon 36	NM_001042475.2 - NM_002944.2	
CLIP1-ROS1	CLIP1 exon 19 - ROS1 exon 36	NM_002956.2 - NM_002944.2	
CLIP4-ALK	CLIP4 exon 12 - ALK exon 23	NM_024692.5 - NM_004304.4	
CLTC-ALK	CLTC exon 31 - ALK exon 20	NM_004859.3 - NM_004304.4	
CLTC-ROS1	CLTC exon 31 - ROS1 exon 35	NM_004859.3 - NM_002944.2	
COX5A-NTRK3	COX5A exon 1 - NTRK3 exon 15	NM_004255.3 - NM_002530.3	
CUX1-RET	CUX1 exon 10 - RET exon 12	ENST00000292538 - NM_020975.4	
DCTN1-ALK	DCTN1 exon 26 - ALK exon 20	NM_004082.4 - NM_004304.4	
EGFR-EGFR	EGFR exon 1 - EGFR exon 8	NM_005228.4 - NM_005228.4	Yes
EML4-ALK	EML4 exon 13 - ALK exon 20	NM_019063.4 - NM_004304.4	Yes
EML4-ALK	EML4 exon 14 - ALK exon 20	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 15 - ALK exon 20	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 17 - ALK exon 20	NM_019063.4 - NM_004304.4	Yes
EML4-ALK	EML4 exon 18 - ALK exon 20	NM_019063.4 - NM_004304.4	Yes
EML4-ALK	EML4 exon 20 - ALK exon 20	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 21 - ALK exon 20	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 2 - ALK exon 20	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 3 - ALK exon 20	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 6 - ALK exon 17	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 6 - ALK exon 18	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 6 - ALK exon 19	NM_019063.4 - NM_004304.4	
EML4-ALK	EML4 exon 6 - ALK exon 20	NM_019063.4 - NM_004304.4	Yes
EML4-ALK	EML4 exon 7 - ALK exon 20	NM_019063.4 - NM_004304.4	

ERC1-RET	ERC1 exon 12 - RET exon 12	NM_178039.3 - NM_020975.4	
ERC1-RET	ERC1 exon 17 - RET exon 12	NM_178039.3 - NM_020975.4	
ERC1-RET	ERC1 exon 7 - RET exon 12	NM_178039.3 - NM_020975.4	
ERC1-ROS1	ERC1 exon 11 - ROS1 exon 36	NM_178039.3 - NM_002944.2	
ERC1_ELKS-RET	ERC1_ELKS exon 11 - RET exon 12	ENST00000397203 - NM_020975.4	
ERLIN2-FGFR1	ERLIN2 exon 8 - FGFR1 exon 2	NM_007175.6 - NM_023110.2	
ESRP1-RAF1	ESRP1 exon 13 - RAF1 exon 6	NM_001034915.2 - NM_002880.3	
ETV6-NTRK3	ETV6 exon 4 - NTRK3 exon 14	NM_001987.4 - NM_002530.3	
ETV6-NTRK3	ETV6 exon 4 - NTRK3 exon 15	NM_001987.4 - NM_002530.3	
ETV6-NTRK3	ETV6 exon 5 - NTRK3 exon 14	NM_001987.4 - NM_002530.3	
ETV6-NTRK3	ETV6 exon 5 - NTRK3 exon 15	NM_001987.4 - NM_002530.3	Yes
EZR-ROS1	EZR exon 10 - ROS1 exon 34	NM_001111077.1 - NM_002944.2	
EZR-ROS1	EZR exon 10 - ROS1 exon 35	NM_001111077.1 - NM_002944.2	
FAM131B-BRAF	FAM131B exon 2 - BRAF exon 9	NM_001031690.2 - NM_004333.4	
FCHSD1-BRAF	FCHSD1 exon 13 - BRAF exon 9	NM_033449.2 - NM_004333.4	
FGFR1-TACC1	FGFR1 exon 17 - TACC1 exon 7	NM_023110.2 - NM_006283.2	
FGFR2-AFF3	FGFR2 exon 17 - AFF3 exon 8	NM_000141.4 - NM_002285.2	
FGFR2-BICC1	FGFR2 exon 17 - BICC1 exon 2	NM_000141.4 - NM_001080512.2	
FGFR2-CASP7	FGFR2 exon 17 - CASP7 exon 2	NM_000141.4 - NM_001227.4	
FGFR2-CIT	FGFR2 exon 17 - CIT exon 23	NM_000141.4 - NM_007174.2	
FGFR2-KIAA1967_CCAR2	FGFR2 exon 17 - KIAA1967_CCAR2 exon 4	NM_000141.4 - NM_021174.5	
FGFR2-MGEA5	FGFR2 exon 17 - MGEA5 exon 12	NM_000141.4 - NM_012215.3	
FGFR2-OFD1	FGFR2 exon 17 - OFD1 exon 3	NM_000141.4 - NM_003611.2	
FGFR2-TACC3	FGFR2 exon 17 - TACC3 exon 11	NM_000141.4 - NM_006283.2	
FGFR3-AES	FGFR3 exon 17 - AES exon 2	NM_000142.4 - NM_198969.1	
FGFR3-BAIAP2L1	FGFR3 exon 17 - BAIAP2L1 exon 2	NM_000142.4 - NM_018842.4	
FGFR3-ELAVL3	FGFR3 exon 17 - ELAVL3 exon 2	NM_000142.4 - NM_001420.3	
FGFR3-TACC3	FGFR3 exon 14 - TACC3 exon 11	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 15 - TACC3 exon 11	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 16 - TACC3 exon 10	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 16 - TACC3 exon 11	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 9	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 10	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 11	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 13	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 5	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 6	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 7	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 8	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 9	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 4	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 18 - TACC3 exon 10	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 18 - TACC3 exon 11	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 18 - TACC3 exon 4 and 5	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 18 - TACC3 exon 7	NM_000142.4 - NM_006283.2	
FGFR3-TACC3	FGFR3 exon 17 - TACC3 exon 4	NM_000142.4 - NM_006283.2	
FKBP15-RET	FKBP15 exon 25 - RET exon 12	NM_015258.1 - NM_020975.4	
GOLGA5-RET	GOLGA5 exon 7 - RET exon 12	NM_005113.3 - NM_020975.4	
GOPC-ROS1	GOPC exon 4 - ROS1 exon 36	NM_020399.3 - NM_002944.2	Yes
GOPC-ROS1	GOPC exon 8 - ROS1 exon 35	NM_020399.3 - NM_002944.2	
GTF2IRD1-ALK	GTF2IRD1 exon 7 - ALK exon 20	NM_005685.3 - NM_004304.4	
HIP1-ALK	HIP1 exon 21 - ALK exon 20	NM_005338.6 - NM_004304.4	
HIP1-ALK	HIP1 exon 28 - ALK exon 20	NM_005338.6 - NM_004304.4	
HLA_A-ROS1	HLA_A exon 7 - ROS1 exon 34	NM_002116.7 - NM_002944.2	
HOOK3-RET	HOOK3 exon 11 - RET exon 12	NM_032410.3 - NM_020975.4	
IRF2BP2-NTRK1	IRF2BP2 exon 1 - NTRK1 exon 10	NM_182972.2 - NM_001007792.1	
KDEL2-ROS1	KDEL2 exon 5 - ROS1 exon 35	NM_006854.3 - NM_002944.2	
KDEL2-ROS1	KDEL2 exon 5 - ROS1 exon 34	NM_006854.3 - NM_002944.2	
KIAA1468-RET	KIAA1468 exon 10 - RET exon 12	NM_020854.3 - NM_020975.4	
KIAA1549-BRAF	KIAA1549 exon 15 - BRAF exon 11	ENST00000242365 - NM_004333.4	
KIAA1549-BRAF	KIAA1549 exon 15 - BRAF exon 9	ENST00000242365 - NM_004333.4	
KIAA1549-BRAF	KIAA1549 exon 16 - BRAF exon 10	ENST00000242365 - NM_004333.4	
KIAA1549-BRAF	KIAA1549 exon 17 - BRAF exon 10	ENST00000242365 - NM_004333.4	

KIAA1549-BRAF	KIAA1549 exon 18 - BRAF exon 9	ENST00000242365 - NM_004333.4	
KIAA1598-ROS1	KIAA1598 exon 11 - ROS1 exon 36	NM_018330.6 - NM_002944.2	
KIF5B-ALK	KIF5B exon 15 - ALK exon 20	NM_004521.2 - NM_004304.4	
KIF5B-ALK	KIF5B exon 17 - ALK exon 20	NM_004521.2 - NM_004304.4	
KIF5B-ALK	KIF5B exon 24 - ALK exon 20	NM_004521.2 - NM_004304.4	
KIF5B-RET	KIF5B exon 15 - RET exon 11	NM_004521.2 - NM_020975.4	
KIF5B-RET	KIF5B exon 15 - RET exon 12	NM_004521.2 - NM_020975.4	Yes
KIF5B-RET	KIF5B exon 16 - RET exon 12	NM_004521.2 - NM_020975.4	
KIF5B-RET	KIF5B exon 22 - RET exon 12	NM_004521.2 - NM_020975.4	
KIF5B-RET	KIF5B exon 23 - RET exon 12	NM_004521.2 - NM_020975.4	
KIF5B-RET	KIF5B exon 24 - RET exon 11	NM_004521.2 - NM_020975.4	
KIF5B-RET	KIF5B exon 24 - RET exon 8	NM_004521.2 - NM_020975.4	
KLC1-ALK	KLC1 exon 9 - ALK exon 20	NM_005552.4 - NM_004304.4	
KTN1-RET	KTN1 exon 29 - RET exon 12	ENST00000395309 - NM_020975.4	
LMNA-NTRK1	LMNA exon 2 - NTRK1 exon 11	NM_170707.3 - NM_001007792.1	
LRIG3-ROS1	LRIG3 exon 16 - ROS1 exon 35	NM_153377.4 - NM_002944.2	
MEMO1-ALK	MEMO1 exon 2 - ALK exon 7	NM_015955.3 - NM_004304.4	
MET-MET	MET exon 13 - MET exon 15	NM_000245.3 - NM_000245.3	Yes
MPRIP-NTRK1	MPRIP exon 14 - NTRK1 exon 12	NM_015134.3 - NM_001007792.1	
MPRIP-NTRK1	MPRIP exon 18 - NTRK1 exon 12	NM_015134.3 - NM_001007792.1	
MPRIP-NTRK1	MPRIP exon 21 - NTRK1 exon 12	NM_015134.3 - NM_001007792.1	
MSN-ROS1	MSN exon 9 - ROS1 exon 34	NM_002444.2 - NM_002944.2	
MYO5A-ROS1	MYO5A exon 23 - ROS1 exon 35	NM_000259.3 - NM_002944.2	
NACC2-NTRK2	NACC2 exon 4 - NTRK2 exon 13	ENST00000371753 - NM_006180.4	
NCOA1-ALK	NCOA1 exon 21 - ALK exon 1	NM_003743.4 - NM_004304.4	
NCOA4-RET	NCOA4 exon 7 - RET exon 12	ENST00000344348 - NM_020975.4	Yes
NCOA4_ELE1-RET	NCOA4_ELE1 exon 6 - RET exon 12	ENST00000344348 - NM_020975.4	
NFASC-NTRK1	NFASC exon 20 - NTRK1 exon 10	NM_015090.3 - NM_001007792.1	
NTRK1-DYNC2H1	NTRK1 exon 17 - DYNC2H1 exon 85	NM_001007792.1 - NM_001377.2	
OXR1-MET	OXR1 exon 9 - MET exon 13	NM_181354.4 - NM_000245.3	
PAPSS1-BRAF	PAPSS1 exon 5 - BRAF exon 9	NM_005443.4 - NM_004333.4	
PAX8-PPARG	PAX8 exon 10 - PPARG exon 2	NM_003466.3 - NM_015869.4	
PAX8-PPARG	PAX8 exon 7 - PPARG exon 2	NM_003466.3 - NM_015869.4	
PAX8-PPARG	PAX8 exon 8 - PPARG exon 2	NM_003466.3 - NM_015869.4	
PAX8-PPARG	PAX8 exon 9 - PPARG exon 2	NM_003466.3 - NM_015869.4	
PCM1-RET	PCM1 exon 29 - RET exon 12	NM_006197.3 - NM_020975.4	
PPFIBP1-ROS1	PPFIBP1 exon 9 - ROS1 exon 35	NM_003622.3 - NM_002944.2	
PRKAR1A-ALK	PRKAR1A exon 2 - ALK exon 20	NM_212471.2 - NM_004304.4	
PRKAR1A-RET	PRKAR1A exon 7 - RET exon 12	NM_212471.2 - NM_020975.4	
PTPRZ1-MET	PTPRZ1 exon 1 - MET exon 2	NM_002851.2 - NM_000245.3	
PTPRZ1-MET	PTPRZ1 exon 3 - MET exon 2	NM_002851.2 - NM_000245.3	
PTPRZ1-MET	PTPRZ1 exon 8 - MET exon 2	NM_002851.2 - NM_000245.3	
PWWP2A-ROS1	PWWP2A exon 1 - ROS1 exon 36	NM_052927.2 - NM_002944.2	
QKI-NTRK2	QKI exon 6 - NTRK2 exon 16	NM_006775.2 - NM_006180.4	
RANBP2-ALK	RANBP2 exon 18 - ALK exon 20	NM_006267.4 - NM_004304.4	
RNF213-NTRK1	RNF213 exon 15 - NTRK1 exon 12	NM_001256071.2 - NM_001007792.1	
RUFY2-RET	RUFY2 exon 9 - RET exon 12	NM_017987.4 - NM_020975.4	
SCAF11-PDGFR	SCAF11 exon 1 - PDGFR exon 2	NM_004719.2 - NM_006206.5	
SDC4-ROS1	SDC4 exon 2 - ROS1 exon 32	NM_002999.3 - NM_002944.2	
SDC4-ROS1	SDC4 exon 2 - ROS1 exon 34	NM_002999.3 - NM_002944.2	
SDC4-ROS1	SDC4 exon 4 - ROS1 exon 32	NM_002999.3 - NM_002944.2	
SDC4-ROS1	SDC4 exon 4 - ROS1 exon 34	NM_002999.3 - NM_002944.2	
SEC31L1_SEC31A-ALK	SEC31L1_SEC31A exon 21 - ALK exon 20	NM_001077207.3 - NM_004304.4	
SEC31L1_SEC31A-ALK	SEC31L1_SEC31A exon 22 - ALK exon 20	NM_001077207.3 - NM_004304.4	
SLC34A2-ROS1	SLC34A2 exon 13 - ROS1 exon 32	NM_001177999.1 - NM_002944.2	
SLC34A2-ROS1	SLC34A2 exon 13 - ROS1 exon 34	NM_001177999.1 - NM_002944.2	
SLC34A2-ROS1	SLC34A2 exon 13 - ROS1 exon 36	NM_001177999.1 - NM_002944.2	
SLC34A2-ROS1	SLC34A2 exon 4 - ROS1 exon 32	NM_001177999.1 - NM_002944.2	Yes
SLC34A2-ROS1	SLC34A2 exon 4 - ROS1 exon 34	NM_001177999.1 - NM_002944.2	Yes
SLC45A3-BRAF	SLC45A3 exon 1 - BRAF exon 8	NM_033102.2 - NM_004333.4	
SLC45A3-ERG	SLC45A3 exon 1 - ERG exon 4	NM_033102.2 - NM_004449.4	
SLC45A3-FGFR2	SLC45A3 exon 1 - FGFR2 exon 1	NM_033102.2 - NM_000141.4	
SLC45A3-FGFR2	SLC45A3 exon 1 - FGFR2 exon 2	NM_033102.2 - NM_000141.4	

SMEK2-ALK	SMEK2 exon 9 - ALK exon 2	NM_020463.3 - NM_004304.4	
SND1-BRAF	SND1 exon 16 - BRAF exon 9	NM_014390.3 - NM_004333.4	
SPECC1L-RET	SPECC1L exon 10 - RET exon 11	NM_015330.4 - NM_020975.4	
SPECC1L-RET	SPECC1L exon 10 - RET exon 12	NM_015330.4 - NM_020975.4	
SQSTM1-NTRK1	SQSTM1 exon 5 - NTRK1 exon 10	NM_003900.4 - NM_001007792.1	
SQSTM1-NTRK2	SQSTM1 exon 5 - NTRK2 exon 17	NM_003900.4 - NM_006180.4	
SSBP2-NTRK1	SSBP2 exon 12 - NTRK1 exon 12	NM_012446.4 - NM_001007792.1	
STRN-ALK	STRN exon 3 - ALK exon 20	NM_003162.3 - NM_004304.4	
TAX1BP1-BRAF	TAX1BP1 exon 8 - BRAF exon 11	NM_006024.6 - NM_004333.4	
TBL1XR1-RET	TBL1XR1 exon 9 - RET exon 11	NM_001321193.1 - NM_020975.4	
TBL1XR1-RET	TBL1XR1 exon 9 - RET exon 12	NM_001321193.1 - NM_020975.4	
TFG-ALK	TFG exon 4 - ALK exon 20	NM_006070.5 - NM_004304.4	
TFG-ALK	TFG exon 5 - ALK exon 20	NM_006070.5 - NM_004304.4	
TFG-ALK	TFG exon 6 - ALK exon 20	NM_006070.5 - NM_004304.4	
TFG-MET	TFG exon 5 - MET exon 15	NM_006070.5 - NM_000245.3	
TFG-NTRK1	TFG exon 6 - NTRK1 exon 10	NM_006070.5 - NM_001007792.1	
TFG-ROS1	TFG exon 4 - ROS1 exon 35	NM_006070.5 - NM_002944.2	
TMPRSS2-ERG	TMPRSS2 exon 1 - ERG exon 2	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 1 - ERG exon 3	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 1 - ERG exon 4	NM_005656.3 - NM_004449.4	Yes
TMPRSS2-ERG	TMPRSS2 exon 1 - ERG exon 5	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 1 - ERG exon 6	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 2 - ERG exon 2	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 2 - ERG exon 4	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 2 - ERG exon 5	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 3 - ERG exon 4	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 4 - ERG exon 4	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 4 - ERG exon 5	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 5 - ERG exon 4	NM_005656.3 - NM_004449.4	
TMPRSS2-ERG	TMPRSS2 exon 5 - ERG exon 5	NM_005656.3 - NM_004449.4	
TMPRSS2-ETV1	TMPRSS2 exon 1 - ETV1 exon 4	NM_005656.3 - ENST00000405358	
TMPRSS2-ETV1	TMPRSS2 exon 1 - ETV1 exon 5	NM_005656.3 - ENST00000405358	
TMPRSS2-ETV1	TMPRSS2 exon 2 - ETV1 exon 5	NM_005656.3 - ENST00000405358	
TMPRSS2-ETV4	TMPRSS2 exon 1 - ETV4 exon 3	NM_005656.3 - NM_001079675.2	
TMPRSS2-ETV5	TMPRSS2 exon 1 - ETV5 exon 2	NM_005656.3 - NM_004454.2	
TMPRSS2-ETV5	TMPRSS2 exon 3 - ETV5 exon 2	NM_005656.3 - NM_004454.2	
TPM1-ALK	TPM1 exon 8 - ALK exon 20	NM_000366.5 - NM_004304.4	
TPM3-ALK	TPM3 exon 7 - ALK exon 20	NM_001278188.1 - NM_004304.4	Yes
TPM3-NTRK1	TPM3 exon 7 - NTRK1 exon 10	NM_001278188.1 - NM_001007792.1	
TPM3-ROS1	TPM3 exon 3 - ROS1 exon 36	NM_001278188.1 - NM_002944.2	
TPM3-ROS1	TPM3 exon 7 - ROS1 exon 35	NM_001278188.1 - NM_002944.2	
TPM4-ALK	TPM4 exon 7 - ALK exon 20	NM_003290.2 - NM_004304.4	
TPR-ALK	TPR exon 15 - ALK exon 20	NM_003292.2 - NM_004304.4	
TPR-MET	TPR exon 4 - MET exon 15	NM_003292.2 - NM_000245.3	
TPR-NTRK1	TPR exon 21 - NTRK1 exon 10	NM_003292.2 - NM_001007792.1	
TPR-NTRK1	TPR exon 21 - NTRK1 exon 9	NM_003292.2 - NM_001007792.1	
TPR-NTRK1	TPR exon 6 - NTRK1 exon 12	NM_003292.2 - NM_001007792.1	
TRAF1-ALK	TRAF1 exon 6 - ALK exon 20	NM_005658.4 - NM_004304.4	
TRIM24-BRAF	TRIM24 exon 9 - BRAF exon 9	NM_003852.3 - NM_004333.4	
TRIM24-NTRK2	TRIM24 exon 12 - NTRK2 exon 15	NM_003852.3 - NM_006180.4	
TRIM24-RET	TRIM24 exon 9 - RET exon 12	NM_003852.3 - NM_020975.4	
TRIM27-RET	TRIM27 exon 3 - RET exon 12	NM_006510.4 - NM_020975.4	
TRIM33-RET	TRIM33 exon 16 - RET exon 12	NM_015906.3 - NM_020975.4	
VCL-ALK	VCL exon 16 - ALK exon 20	NM_014000.2 - NM_004304.4	
VCL-NTRK2	VCL exon 16 - NTRK2 exon 12	NM_014000.2 - NM_006180.4	
WIPF2-ERBB2	WIPF2 exon 1 - ERBB2 exon 4	NM_133264.4 - NM_001005862.2	
ZCCHC8-ROS1	ZCCHC8 exon 2 - ROS1 exon 36	ENST00000336229 - NM_002944.2	

* Additional fusions resulting from an unintended combination of genes/exons may be detected. This assay may not detect complex rearrangements involving the listed genes/exons. In addition, this assay may fail to detect non-validated fusions.