

Figure S2

Exon 18

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ALK	MEGHGEVNIKHLYLNCSEVDECHMDPESHKVICFCDHGTVLAEDGVSCIVSPTPEPHLP	60
X1	MEGHGEVNIKHLYLNCSEVDECHMDPESHKVICFCDHGTVLAEDGVSCIVSPTPEPHLP	60

ALK	LSLILSVVTSALVAALVLAFLSGIMIVYRRKHQELQAMQMELQSPEYKLSKLRTSTIMTDY	120
X1	LSLILSVVTSALVAALVLAFLSGIMIVYRRKHQELQAMQMELQSPEYKLSKLRTSTIMTDY	120

ALK	NPNYCFAGKTSSISDLKEVPRKNITLIRGLGHGAFGEVYEGQVSGMPNDPSPLQVAVKTL	180
X1	NPNYCFAGKTSSISDLKEVPRKNITLIRGLGHGAFGEVYEGQVSGMPNDPSPLQVAVKTL	180

ALK	PEVCSEQDELDFLMEALIISKFNHQNIVRCIGVSLQSLPRFILLELMAGGDLKSFLRETR	240
X1	PEVCSEQDELDFLMEALIISKFNHQNIVRCIGVSLQSLPRFILLELMAGGDLKSFLRETR	240

ALK	PRPSQPSSLAMLDLLHVARDIACGCQYLEENHFIHRDIAARNCLLTCPGPGRVAKIGDFG	300
X1	PRPSQPSSLAMLDLLHVARDIACGCQYLEENHFIHRDIAARNCLLTCPGPGRVAKIGDFG	300

ALK	MARDIYRASYRKGCCAMLPVKWMPPEAFMEGIFTSKTDTSFVLLWEIFSLGYMPYPS	360
X1	MARDIYRASYRKGCCAMLPVKWMPPEAFMEGIFTSKTDTSFVLLWEIFSLGYMPYPS	360

ALK	KSNQEVLEFVTSGGRMDPPKNCPGPVYRIMTQCWQHQPEDRPNFAILERIEYCTQDPDV	420
X1	KSNQEVLEFVTSGGRMDPPKNCPGPVYRIMTQCWQHQPEDRPNFAILERIEYCTQDPDV	420

ALK	INTALPIEYGPLVEEEEKVPVRPKDPEGVPPLLVSQQAKREEERSPAAPPPLPTSSGKA	480
X1	INTALPIEYGPLVEEEEKVPVRPKDPEGVPPLLVSQQAKREEERSPAAPPPLPTSSGKA	480

ALK	AKKPTAAEISVRVPRGPAVEGGHVNMAFSQSNPPSELHKVHGSRNKPTSLWNPTYGSWFT	540
X1	AKKPTAAEISVRVPRGPAVEGGHVNMAFSQSNPPSELHKVHGSRNKPTSLWNPTYGSWFT	540
	***** :	
ALK	EKPTKKNMPIAKKEPHDRGNLGLGSCCTVPPNVATGRLPGASLLEPSSLTANMKEVPLF	600
X1	EKPTKKNMPIAKKEPHDRGNLGLGSCCTVPPNVATGRLPGASLLEPSSLTANMKEVPLF	600

ALK	RLRHFPCGNVNYGYQQQGLPLEAATAPGAGHYEDTILKSKNSMNQPGP	648
X1	RLRHFPCGNVNYGYQQQGLPLEAATAPGAGHYEDTILKSKNSMNQPGP	648

Figure S2 . ALK sequencing results. The protein sequence of ALK expressed in A375X1 cells (blue) was aligned to the NCBI Reference Sequence (NM_004304.4).

The amino acidic substitution at position 489 is reported as a SNP (https://www.ncbi.nlm.nih.gov/projects/SNP/snp_ref.cgi?genelid=238).