

Supplemental Table 1. List of targeted Nanostring assay sequences

Gene Name	Locus	Probe Name	Target Sequence
ALK_5-UTR-1	5'UTR	NG_009445.1:300	GCGCAGCGCGGGGGCTGGGATTCACGCCCAGAAGTTCAGCAGGCAGACAGT CCGAAGCCTTCCCAGCAGCGGAGAGATAGCTTGAGGGTGCGCAAGACGGC
ALK_5P-1	Exon1	NG_009445.1:1086	CTACTCGCGCCTGCAGAGGAAGAGTCTGGCAGTTGACTTCGTGGTGCCCTCG CTCTTCCGTGTCTACGCCCAGGACCTACTGCTGCCACCATCCTCCTCG
ALK_5P-2	Exon5	NG_009445.1:2110	ACAGTGCTCCAGGGAAGAATCGGGCGTCCAGACAACCCATTTTCGAGTGGCC CTGGAATACATCTCCAGTGGAAACCGCAGCTTGTCTGCAGTGGACTTCT
ALK_5P-5	Exon18	NG_009445.1:3860	TAAAAGTGATGGAAGGCCACGGGGAAGTGAATATTAAGCATTATCTAAACT GCAGTCACTGTGAGGTAGACGAATGTCACATGGACCCTGAAAGCCACAA
ALK_3P-1	Exon 22-23	NG_009445.1:4400	AGACGCTGCCTGAAGTGTGCTCTGAACAGGACGAACTGGATTTCTCATGGA AGCCCTGATCATCAGCAAATCAACCACCAGAACATTGTTTCGCTGCAT
ALK_3P-2	Exon 26-27	NG_009445.1:4844	CAGAGGCCTTCATGGAAGGAATATTCACCTCTAAAACAGACACATGGTCCTT TGGAGTGCTGCTATGGGAAATCTTTTCTCTTGGATATATGCCATACCC
ALK_3P-4	Exon 29	NG_009445.1:5455	TTGTGGAACCCAACGTACGGCTCCTGGTTTACAGAGAAACCCACCAAAAAGA ATAATCCTATAGCAAAGAAGGAGCCACACGACAGGGGTAACCTGGGGC
ALK_3P-5	3' UTR	NG_009445.1:5820	GTCGCACACTCACTTCTCTTCCCTGGGATCCCTAAGACCGTGGAGGAGAGAGA GGCAATGGCTCCTTCACAAACCAGAGACCAAATGTCACGTTTTGTTT
EML4-ALK-1	E13-ins69;A20	Fusion_0040.1:0	TATATGGAGCAAACTACTGTAGAGCCACACCTGGGAAAGGACCTAAAGGA AGTGGCCTGTGTAGTGCTTCAAGGGCCAGGCTGCCAGGCCATGTTGCA
EML4-ALK-2	E17-ins68;A20	Fusion_0042.1:0	GATTTTCATCCAAGTGGCACAGTGGTGGCCATAGGAACGCACTCAGGCAGAG TCTTGCTCTGTCTCCCAGGCTGGAGTGCAGTGGCAATTTACACATTTT
EML4-ALK-3	E17-ins95;A21	Fusion_0043.1:0	GATTTTCATCCAAGTGGCACAGTGGTGGCCATAGGAACGCACTCAGGCAGGA GACAAAACATGAAGTCAATTTTCCCAAAATTAAACTCATTAAAAAAT
EML4-ALK-4	E13;A20	PFUS_001.1:1	ATATGGAGCAAACTACTGTAGAGCCACACCTGGGAAAGGACCTAAAGTGT ACCGCCGGAAGCACCAGGAGCTGCAAGCCATGCAGATGGAGCTGCAG
KIF5B-ALK-5	K15ins2477;A19	Fusion_0045.1:6	GTTTTTGCTATTCACCTCTACTTCTTGAACCTTCTGGCAACCACTTGTACCCAC GCCGGAGCCACACCTGCCACTCTCGCTGATCCTCTCTGTG

RET-3P-1	Exon 14-15	NM_020630.4:2768	AGGGGATGCAGTATCTGGCCGAGATGAAGCTCGTTCATCGGGACTTGGCAGC CAGAAACATCCTGGTAGCTGAGGGGCGGAAGATGAAGATTTCCGATTT
RET-3P-2	Exon 16	NM_020630.4:2911	AGGAGCCAGGGTCGGATTCCAGTTAAATGGATGGCAATTGAATCCCTTTTTGA TCATATCTACACCACGCAAAGTGATGTATGGTCTTTTGGTGTCCTGC
RET-3P-3	Exon 18-19	NM_020630.4:3197	AAGACCTGGAGAAGATGATGGTTAAGAGGAGAGACTACTTGGACCTTGCGGC GTCCACTCCATCTGACTCCCTGATTTATGACGACGGCCTCTCAGAGGA
RET-3P-4	3' UTR	NM_020630.4:3990	TTCCCTTACCCACCTTCAGGACGGTTGTCACTTATGAAGTCAGTGCTAAAGCT GGAGCAGTTGCTTTTTGAAAGAACATGGTCTGTGGTGCTGTGGTCT
RET-5P-1	Exon 1-2	NM_020630.4:237	GCTGCTGCTGCCGCTGCTAGGCAAAGTGGCATTGGGCCTCTACTTCTCGAGGGA TGCTTACTGGGAGAAGCTGTATGTGGACCAGGCGGCCGGCACGCCC
RET-5P-2	Exon 3	NM_020630.4:515	TCAGTGTCCGCAACCGCGGCTTTCCCCTGCTCACCGTCTACCTCAAGGTCTTCCT GTCACCCACATCCCTTCGTGAGGGCGAGTGCCAGTGGCCAGGCTG
RET-5P-3	Exon 6-7	NM_020630.4:1422	CGTGAGCAGGAGGGCTCGCCGATTTGCCAGATCGGGAAAGTCTGTGTGGAAA ACTGCCAGGCATTCAGTGGCATCAACGTCCAGTACAAGCTGCATTCC
RET-5P-4	Exon 11	NM_020630.4:2077	TGCGACGAGCTGTGCCGCACGGTGATCGCAGCCGCTGTCCTCTTCTCCTTCATCG TCTCGGTGCTGCTGTCTGCCTTCTGCATCCACTGCTACCACAAGT
CCDC6-RET	C1;R12	Fusion_0407.1:6	TGCAGGAGGAGAACCGCGACCTGCGCAAAGCCAGCGTGACCATCGAGGATCCA AAGTGGGAATTCCTCGGAAGAAGTGGTTCTTGGA AAAAC
