

EML4-ALK v1 - EML4 exon 13 :: ALK exon 20

Junction-spanning ddPCR assay - 110 bp cDNA amplicon - EML4 exon 13 :: ALK exon 20 (variant 1)

junction probe (FAM / BHQ1) T_m 65.6 C 20 nt 8 nt EML4 | 12 nt ALK

5' - ACCTAAAGTGTACCGCCGGA - 3'

EML4 ex13

ALK ex20



5' - CTACTGTAGAGCCCACACC - 3'

5' - CTTGCTCAGCTTGTACTCAG - 3'

forward primer T_m 60.9 C GC 58% 19 nt

reverse primer T_m 60.3 C GC 50% 20 nt

3' end: GC clamp

3' end: weak 3' (1/2 G/C)



110 bp amplicon