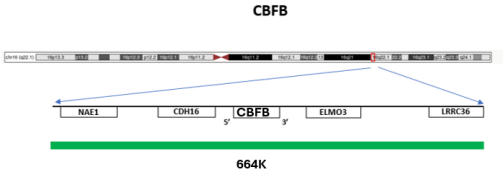
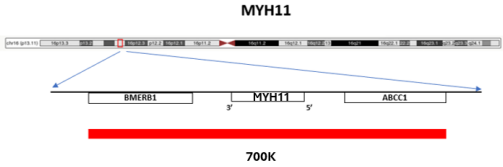
BRIGHTDOM FISH Probes: CBFB/MYH11 Dual color/Dual fusion



Gene: CBFB (16q22.1); Centromere 5'-3' Telomere
CBFB region (Green): hg38:chr16:66,749,191-67,413,532
Target size: 664K
Functionally critical region: 5' CBFB labeled Green.



Gene: MYH11 (16p13.1); Telomere 3'-5' Centromere
MYH11 region (Orange): hg38:chr16:15,422,988-16,122,285
Target size: 700K
Functionally critical region: 3' MYH11 labeled orange.

Introduction: The CBFB/MYH11 dual color/dual fusion probes are optimized to detect the translocation between 16q22.1 and 16p13.1 involving the CBFB and MYH11 gene loci.

CBFB (Green): The CBFB gene (16q22.1) locus is labeled with an orange a green dye.

MYH11 (Orange): The MYH11 gene (16p13.1) locus is labeled with a green dye.

Signal Patterns: The CBFB/MYH11 FISH probes are designed to detect the rearrangements involving the CBFB (16q22.1) and MYH11 (16p13.1) gene loci. A specimen considered positive for CBFB::MYH11 fusion shows a signal pattern of two fusion, one orange and one green (2F1O1G).