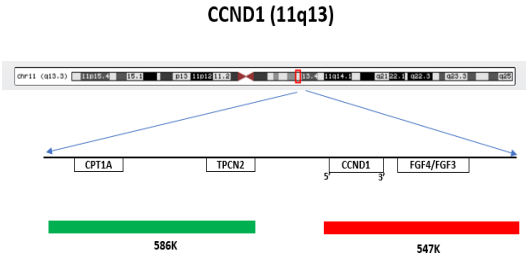
BRIGHTDOM FISH Probes: CCND1 (11q13) break apart



Gene: CCND1 (11q13); Centromere 5'-3' Telomere
3' CCND1 region (Orange): hg38:chr11:69,578,771-70,126,099
Target size: 547K
5' CCND1 region (Green): hg38:chr11:68,844,420-69,430,686
Target size: 586K
Functionally critical region: *CCND1* labeled orange.

Introduction: The CCND1 (11q13) break-apart FISH probes are optimized to detect translocations involving the CCND1 gene region at 11q13. The CCND1 gene was labelled with an orange dye.

5' CCND1 region (Green): The 5' region of CCND1 gene locus (11q13) are labeled with a green dye.

3' CCND1 region (Orange): The CCND1 gene and the 3' region of CCND1 gene locus (11q13) is labeled with an orange dye.

Functionally critical region (Orange): The CCND1 gene locus is labeled with an orange dye.

Signal Patterns: The CCND1 (11q13) break-apart FISH probes are designed as dual-color break-apart probes to detect translocations at 11q13. A specimen considered positive for CCND1 rearrangement shows a separation of orange and green signals.