

Internal standard sequences used for cassettes:

1.5% DF markers R2 and K (150 and 50-mer)

2% DF markers V1, L, and G (75 and 35-mer)

3% DF markers Q2 and H (64 and 35-mer)

(Standards are duplexes of 2 complementary, fluorescently labeled single-stranded oligos. Both strands are labeled on the 5' ends.)

Only the top strand is shown below.

150-mer (R2, K)

5'-Dye-ATCGAGGATTACCACTACGCTACGTTCACTAACGAGGACTCCTACCACTTTGACGACTTGTACCGATGTAA
GTTTCGACCGTGACCGAATCAGGTTAGCCAGATCGCATAAGTAATTTCCAGGGACTGATGCACTTTGACGACTTGT
ACC-3'

75-mer (V1, G, L)

5'-Dye-ATC GCGGATTAGCACTACGCATCGGTTACAAACGAGGACCTGATGCACTTTGACAGCATGATCGGATGT
ACTTCG-3'

64-mer (Q2, H)

5'-Dye- GTC GCGGATTAG CACTAC GCATCGGTTACAAACGAGGACCTGATGCACTTTGACAGCATGATCG-3'

50-mer (R2, K)

5'-Dye-ATCGCGGATTAGCACTACGCATCGGTTACAAACGAGGACCTGATGCACTT-3'

35-mer (V1, Q2, L, G,H)

5'-Dye-ATCGCGGATTAGCACTACGCATCGGTTACAAACGA-3'