

Internal standard sequences used for PippinPrep and BluePippin cassettes:

1.5% DF marker R2 and marker K

2%DF marker V1 and marker L

3% DF marker Q3 and marker P

(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-ATCGAGGATTACCACTACGCTACGTTCACTAACGAGGACTCCTACCACTTTGACGACTTGACCGATGTAA
GTTTCGACCGTGACCGAATCAGGTTAGCCAGATCGCATAAGTAATTTCCAGGGACTGATGCACTTTGACGACTTGT
ACC-3'

85-mer (Q3, P)

5'-Dye-ATCGAGGATTACCACTACGCTACGTTCACTAACGAGGACTCCTACCACTTTGACGACTTGACCGATGTAA
GTTTCGACCGTGACC-3'

75-mer (V1, L)

5'-Dye-ATC GCGGATTAGCACTACGCATCGGTTACAAACGAGGACCTGATGCACTTTGACAGCATGATCGGATGT
ACTTCG-3'

50-mer (R2, K, Q3, P)

5'-Dye-ATCGCGGATTAGCACTACGCATCGGTTACAAACGAGGACCTGATGCACTT-3'