Supplementary Figure 3

Analysis of transalkylation products formed in duplex oligodeoxynucleotides.

(a) HPLC analysis of enzymatically fragmented duplex oligodeoxynucleotides (dR = 2'-deoxyribose) obtained after modification with M.BcnIB (red) or M.HhaI (Q82A variant, blue) in the presence of AdoMet analog 4 (R = -CH₂CH=CH₂). (b) UV absorption spectra of modified 2'-deoxycytidines at pH 3.5 obtained with M.BcnIB and AdoMet 1 (magenta), M.BcnIB and AdoMet analog 4 (red), M.HhaI and AdoMet 1 (easter purple) as well as M.HhaI and analog 4 (blue); (c) ESI-MS analysis of the modified nucleosides obtained with cofactor 4 and M.HhaI (left) and M.BcnIB (right). N denotes 2’-deoxynucleoside; B, nucleobase.