Structural Arrangement of Two DNA Double Helices Using Cross-Linked Oligonucleotide Connectors

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Fig. S1 HPLC profiles for the diastereomers mixtures of 1 and 2 (A), and the reaction mixtures of the cross-linked oligonucleotides with diastereochemically pure oligonucleotides (B). HPLC conditions, (A) linear gradient with 2-12 % acetonitrile/water (30 min) containing 50 mM ammonium formate, Nacalai Cosmosil C18 reversed-phase column (7.5 x 150 mm), 2.0 mL/min, 260 nm; (B) 2-15 % acetonitrile/water (20 min) and the same conditions as in (A).

Fig. S2 MALDI-TOF-MS of the cross-linked oligonucleotides.