Supporting Information

Stabilization of DNA nanostructures by photo-cross-linking

Miho Tagawa,*,† Koh-ichiroh Shohda, Kenzo Fujimoto and Akira Suyama

a Department of Life Sciences and Institute of Physics, Graduate School of Arts and Sciences, The University of Tokyo, Komaba, 153-8902, Japan. Fax: +81 5454 6528; Tel: +81 5454 6528; E-mail: suyama@dna.c.u-tokyo.ac.jp
b Japan Science and Technology Agency (JST) PRESTO
c School of Material Science, Japan Advanced Institute of Science and Technology, Ishikawa, 923-1292, Japan.
† Present address: Center for Functional Nanomaterials, Brookhaven National Laboratory, Upton, NY, 11973, USA. Tel: +1 631 344 4812; E-mail: mtagawa@bnl.gov

Figure S1. Design of a DXAB tile including CVUs and its arrangement into a 2D DNA array. (a) The sequences of the DXAB tile for constructing photoligated 2D DNA arrays. Arrowheads at the ends of strands indicate the 3‘-terminals. The solid rhomboids at the 5‘-ends represent phosphorylation. (b) The lattice topology of a 2D DNA array produced by the DXAB tiles. The solid circles represent CVU bases.