## Supplementary Information

## Complementary hydrogen-bonding between thymidine-based low molecularweight gelator and polynucleotide in organic media

Kazunori Sugiyasu<sup>a</sup>, Munenori Numata<sup>a</sup>, Norifumi Fujita<sup>a</sup>, Sun Min Park<sup>b</sup>, Young Ji Yun<sup>b</sup>, Byeang Hyean Kim<sup>b</sup> and Seiji Shinkai\*<sup>a</sup>

<sup>&</sup>lt;sup>b</sup> National Research Laboratory, Department of Chemistry, Division of Molecular and Life Science, Pohang University of Science and Technology, Pohang 790-784, Korea. E-mail: bhkim@postech.ac.kr

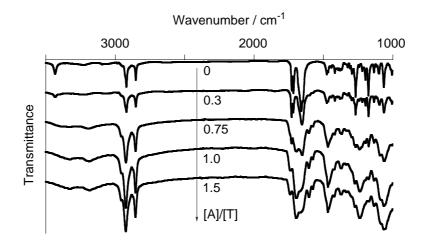


Fig. S1 IR spectral changes in 1 gel induced by poly(A)/lipid addition.

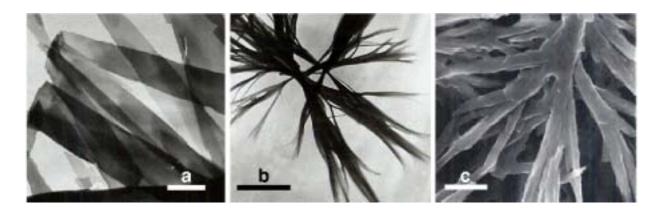


Fig. S2 TEM images of (a) 1 gel and (b) 1 with poly(A)/lipid (1.0 eq.) gel, and (c) SEM image of 1 with poly(A)/lipid gel (0.5 eq.), bar length =  $5 \mu m$ .

<sup>&</sup>lt;sup>a</sup> Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, 6-10-1 Hakozaki, Higashi-ku Fukuoka, Japan. E-mail: seijitcm@mbox.nc.kyushu-u.ac.jp