

## Supporting Information

### **Investigating the blocking effect of alkanethiol self-assembled monolayer on electrochemical response of the split Gq-based DNA-NTs-based biosensor**

Kotaro KATO<sup>a</sup>, Naoki NARISAWA<sup>a</sup>, Hisakage FUNABASHI<sup>b\*§†</sup>, Kuniaki NAGAMINE<sup>a\*§†</sup>

<sup>a</sup> Graduate School of Organic Materials Science, Yamagata University, 4-3-16 Jonan, Yonezawa, Yamagata 992-8510, Japan

<sup>b</sup> Unit of Biotechnology, Division of Biological and Life Sciences, Graduate School of Integrated Sciences for Life, Hiroshima University, 1-3-1 Kagamiyama, Higashihiroshima, Hiroshima 739-8530, Japan

§ ECSJ member

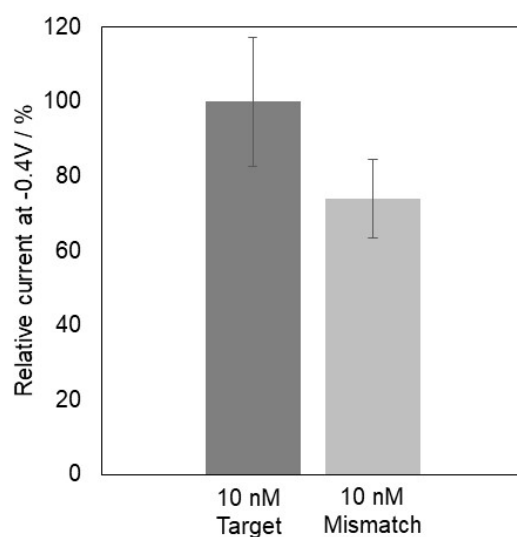
† Equal contribution

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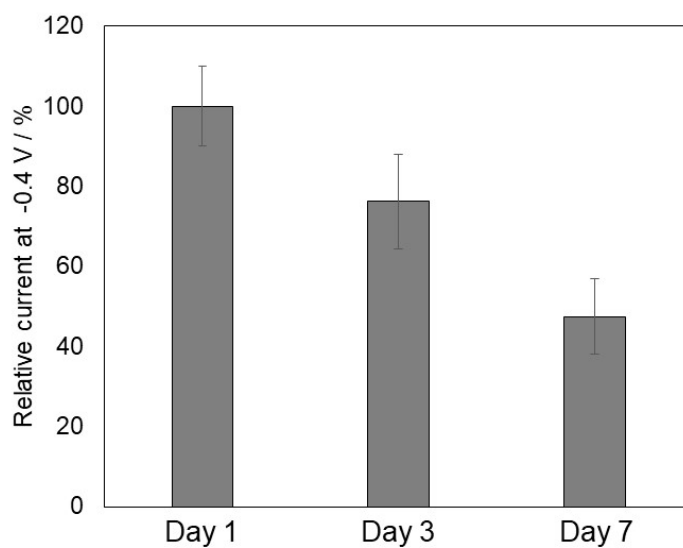
Hisakage FUNABASHI: 0000-0003-2330-1503

Kuniaki NAGAMINE: 0000-0001-9597-0218

\* Corresponding authors: hisafuna@hiroshima-u.ac.jp (H.F.), nagamine@yz.yamagata-u.ac.jp (K.N.)



**Figure S1.** Relative current responses at -0.4 V against 10 nM of target and mismatch DNA. The current response to 10 nM Target DNA was 100 % for the relative current value.



**Figure S2.** Relative current responses at -0.4 V on day 1 (the day the electrode was prepared), day 3, and day 7.