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Corrigendum: A liquid-crystal-based DNA biosensor for pathogen detection

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Correction to: *Scientific Reports* <https://doi.org/10.1038/srep22676>; published online 04 March 2016; updated 17 May 2018

In this Article, the authors neglected to cite related relevant studies investigating the detection of target DNA at LC/aqueous interface. These references should have been listed in the original reference list as Ref 35–38 and should appear in the text as follows.

In the Introduction section,

“Alternatively, numerous DNA detection systems based on the hybridization between a DNA target and its complementary probe, which is present either in solution or on a solid support, have been described^{3–5}.”

should read:

“Alternatively, numerous DNA detection systems based on the hybridization between a DNA target and its complementary probe, which is present either in solution or on a solid support, have been described^{3–5,35–38}.”

In the Methods Section,

“The 16-mer ssDNA sequences 5′-GCACGAAGTTTTTCT-3′, 5′-CGTGCTTCAAAAAGA-3′, 5′-CGTGCTTCAAATTTCT-3′, 5′-CGTGCTAGTTTTTCT-3′, and 5′-AACGGGACTCGGGAGA-3′ were purchased from M-Biotech Inc., South Korea.”

should read:

“The 16-mer ssDNA sequences 5′-GCACGAAGTTTTTCT-3′, 5′-CGTGCTTCAAAAAGA-3′, 5′-CGTGCTTCAAATTTCT-3′, 5′-CGTGCTAGTTTTTCT-3′, and 5′-AACGGGACTCGGGAGA-3′³⁵ were purchased from M-Biotech Inc., South Korea.”

These Ref 35–38 are listed below as Ref 1–4.

References

1. Price, A. D. & Schwartz, D. K. DNA hybridization-induced reorientation of liquid crystal anchoring at the nematic liquid crystal/aqueous interface. *J. Am. Chem. Soc.* **130**, 8188–8194 (2008).
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3. Lai, S. L., Hartono, D. & Yang, K.-L. Self-assembly of cholesterol DNA at liquid crystal/aqueous interface and its application for DNA detection. *Appl. Phys. Lett.* **95**, 153702, [doi:10.1063/1.3247895](https://doi.org/10.1063/1.3247895) (2009).
4. Lai, S. L. & Yang, K. L. Detecting DNA targets through the formation of DNA/CTAB complex and its interactions with liquid crystals. *Analyst* **136**, 3329–3334 (2011).

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