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

Mashooq Khan, Abdur Rahim Khan, Jae-Ho Shin & Soo-Young Park

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 described³⁻⁵.”

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'-GCACGAAGTTTTTTCT-3', 5'-CGTGCTTCAAAAAAGA-3', 5-CGTGCTTCAAATTTCT-3', 5'-CGTGCTAGTTTTTTCT-3', and 5'-AACGGGACTCGGGAGA-3' were purchased from M-Biotech Inc., South Korea.”

should read:

“The 16-mer ssDNA sequences 5'-GCACGAAGTTTTTTCT-3', 5'-CGTGCTTCAAAAAAGA-3', 5-CGTGCTTCAAATTTCT-3', 5'-CGTGCTAGTTTTTTCT-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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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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