

SUPPLEMENTARY INFORMATION

Coupling dye-integrated polymeric membranes with smartphone detection to classify bacteria

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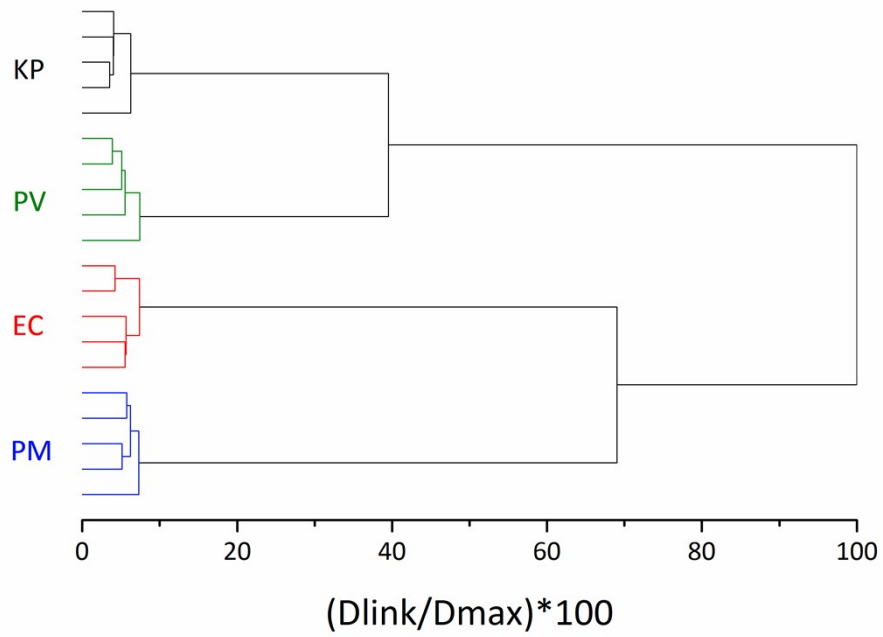


Fig. S1 HCA plot obtained from the RGB values extracted from the coloured membranes with five pH indicators in contact with four bacteria studied (*Klebsiella pneumonia* (KP), *Proteus vulgaris* (PV), *Proteus mirabilis* (PM) and *Escherichia coli* (EC)) at 37°C.

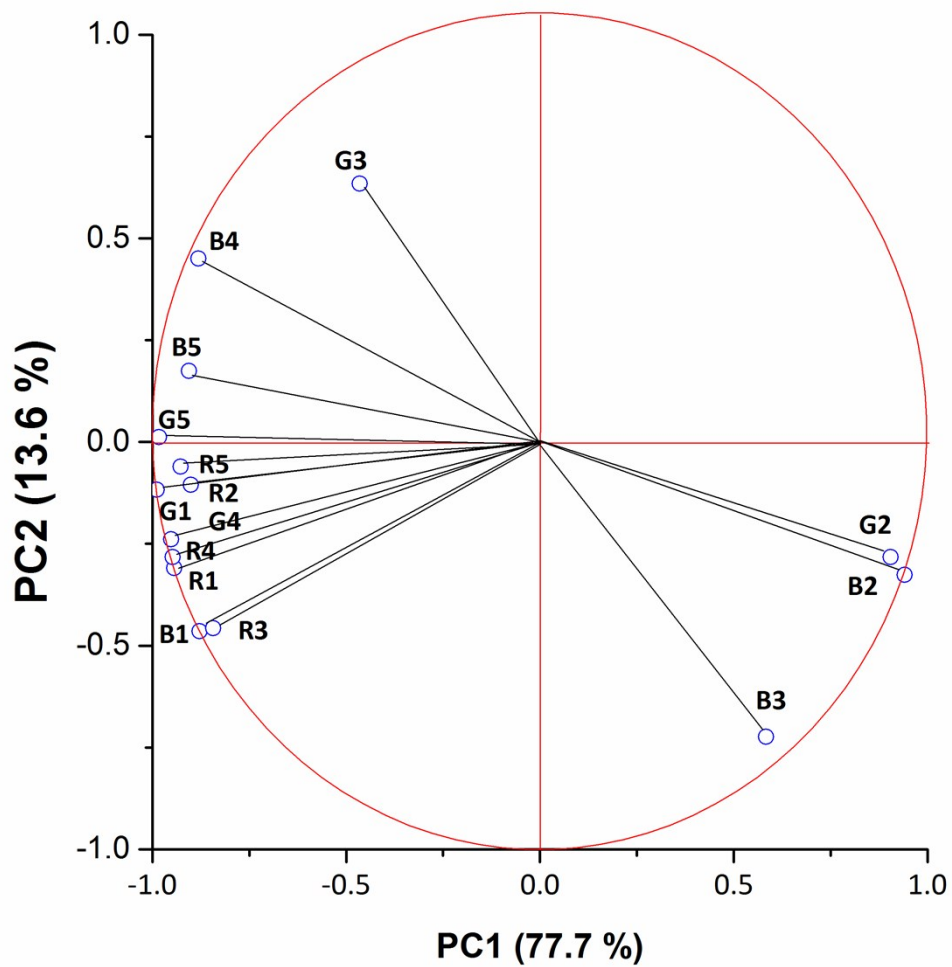


Fig. S2 PCA loading plot obtained from the RGB values extracted from the coloured membranes with five pH indicators in contact with four bacteria studied at 37°C. Values of 1 to 5 indicates the *R,G,B* values of the spots represented in Fig. 1.

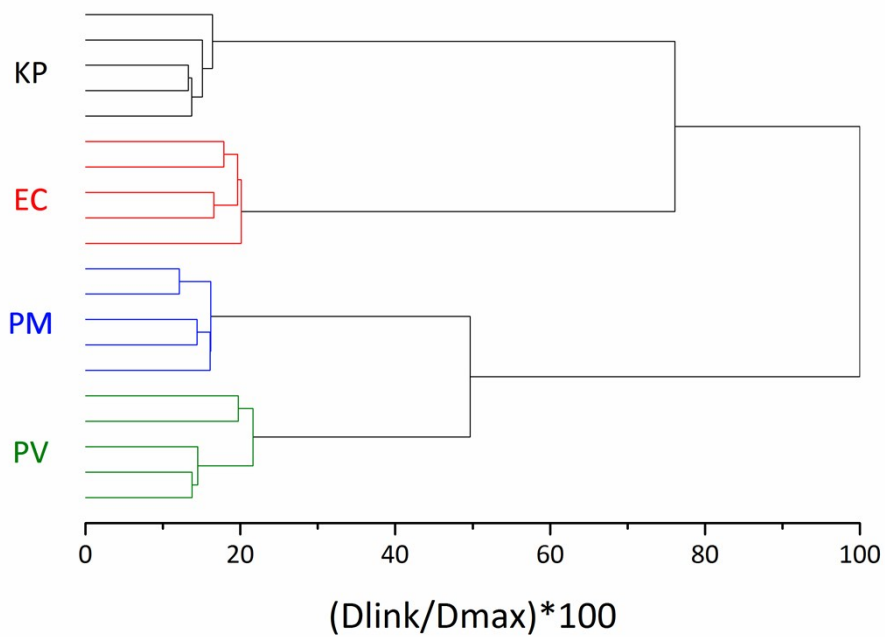


Fig. S3 HCA plot obtained from the RGB values extracted from the coloured membranes with five pH indicators in contact with four bacteria studied (*Klebsiella pneumonia* (KP), *Proteus vulgaris* (PV), *Proteus mirabilis* (PM) and *Escherichia coli* (EC)) at 37°C.