

An aptamer functionalised Schottky-field effect transistor for the detection of proteins

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Supplementary Information

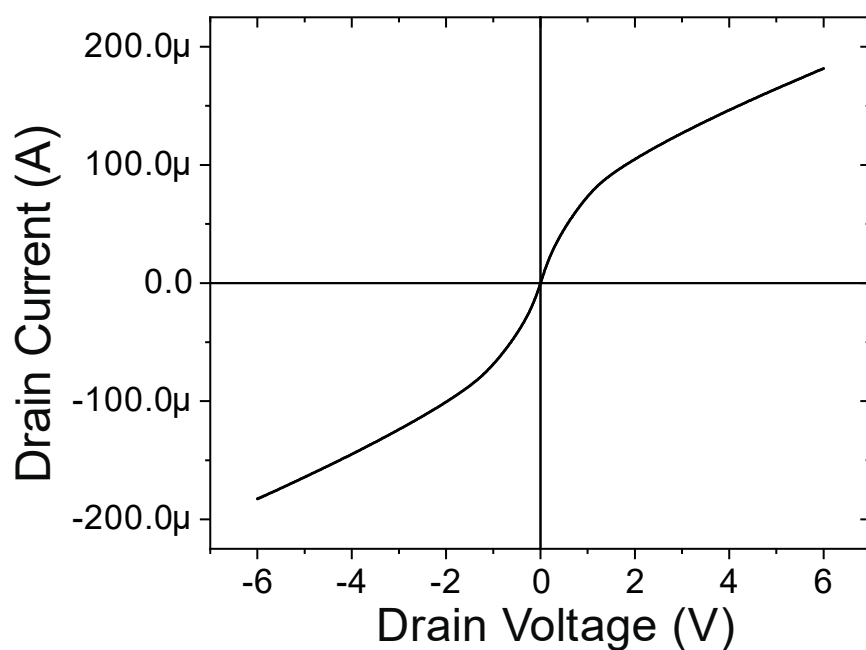


Figure S1. An example of the full IV-curve, which shows that the positive and negative source-drain potentials are symmetric.

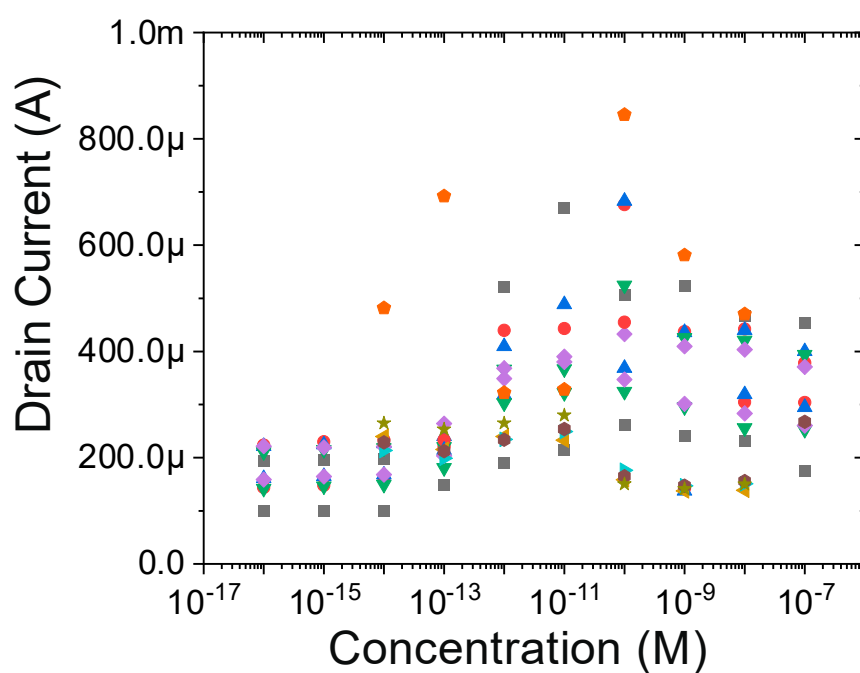


Figure S2. The concentration dependency of the various devices used in this study. The measure used is the current at +3 V of the source-drain potential. The trend of the increase in current between 100 fM and 10 pM are consistent across the samples. Each colour/ symbol represents a different device.

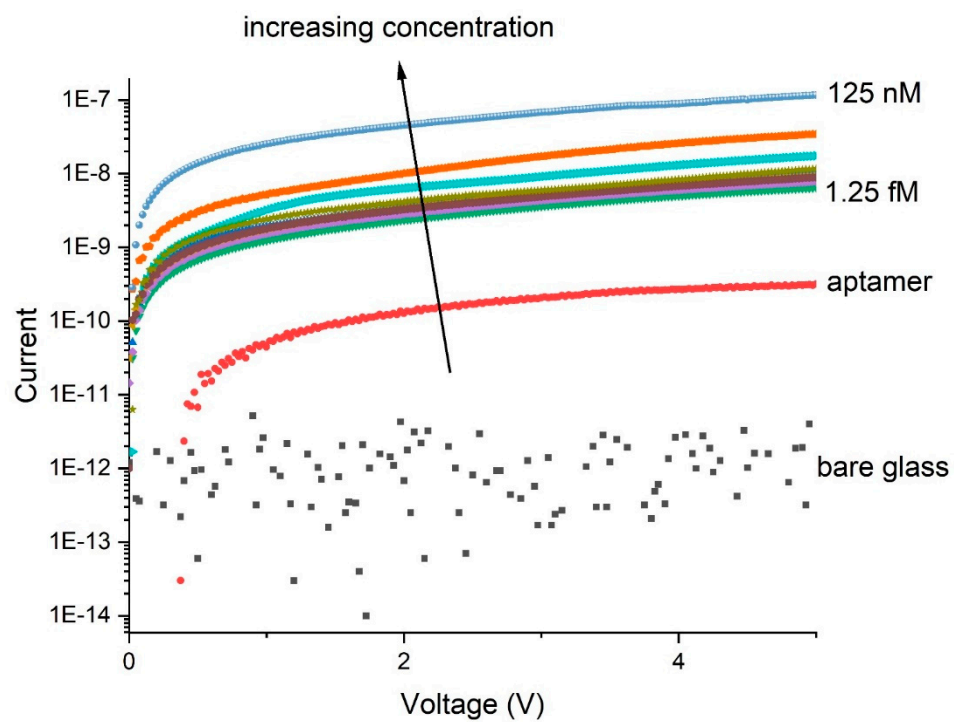


Figure S3. The concentration dependence of a device made on glass instead of silicon, which shows that there is a significant current flowing between the source and drain through the organic layer.