Supporting Information for:

Folding-upon-Binding and Signal-on Electrochemical DNA Sensor with High Affinity and Specificity

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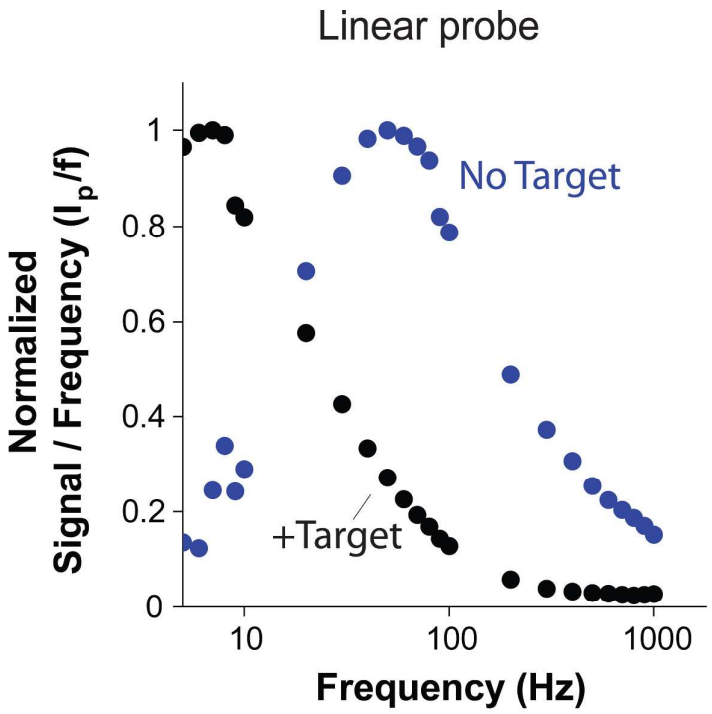

Figure S1. The ratio of peak current to SWV frequency (i_p/f) as a function of the inverse of the SWV frequency (1/f) exhibits a maxima at a critical frequency related to the apparent electron transfer rate. Target binding causes a shift in this critical frequency to lower frequencies. This kind of behavior is typical of the signal-off sensors.[1] By courtesy of Prof. K.W. Plaxco.

References

1) White, R. J.; Plaxco, K. W. *Anal. Chem.* **2010**, *82*, 73–76.