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Computational aptamer design for spike glycoprotein (S) (SARS CoV-2) detection with an electrochemical aptasensor

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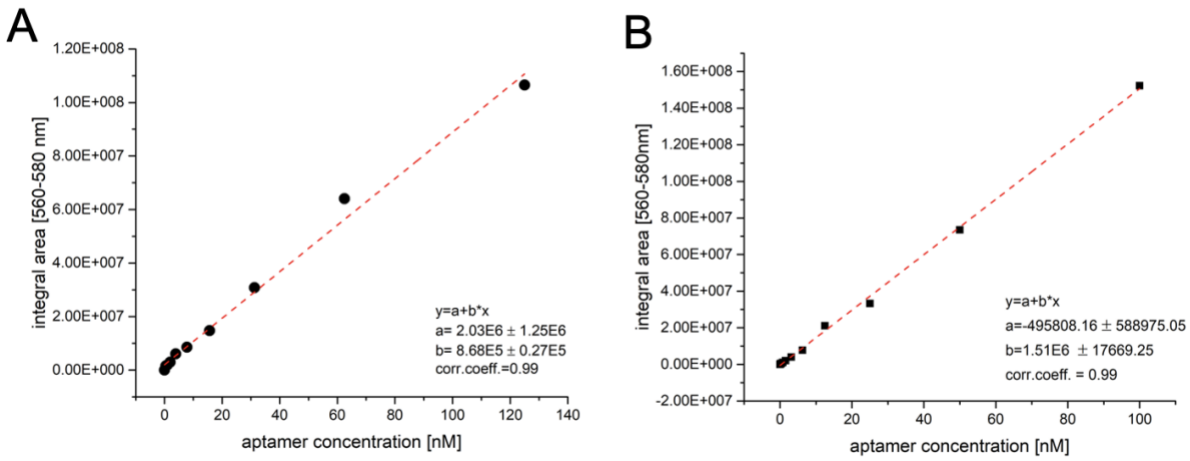

Fig. S1 Calibration curve of aptamer-TAMRA in PBS buffer (A) or TRIS buffer (B). Linear regression on short concentration range is reported in red dashed lines.

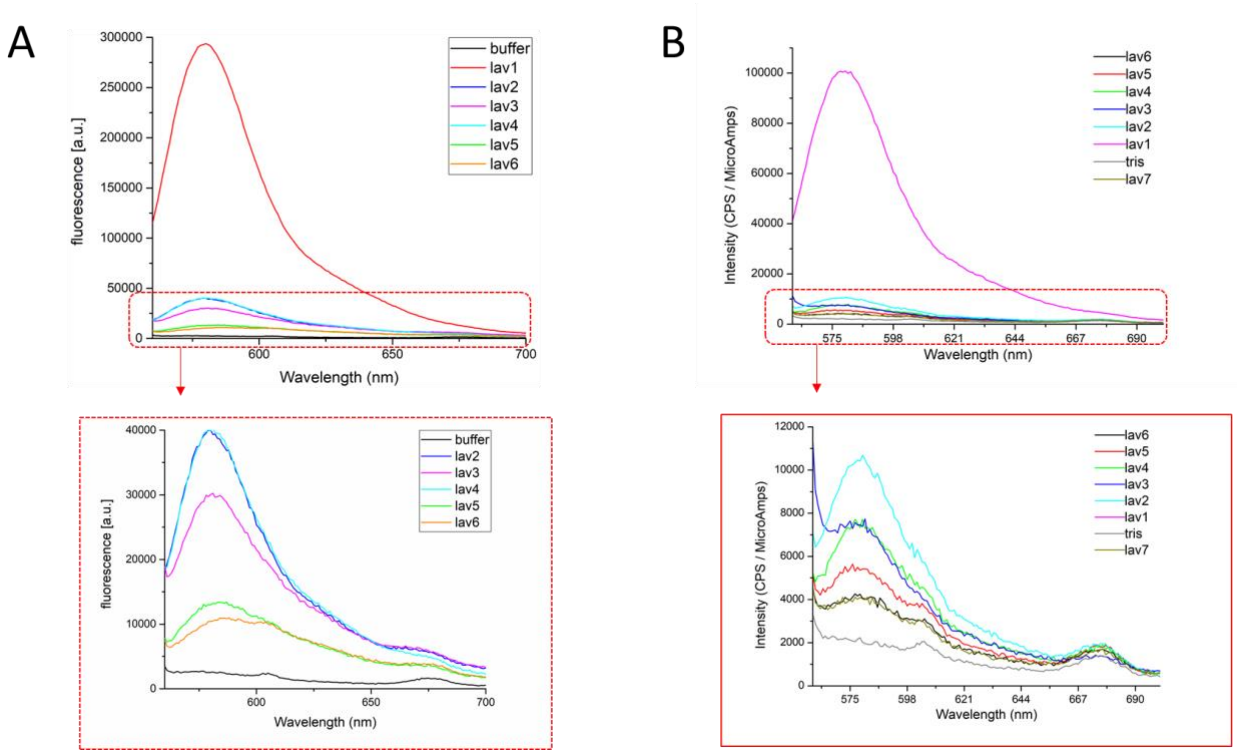

Figure S2: Spectrofluorimetric analysis on washing steps performed in PBS buffer (A) or TRIS buffer (B). A plot magnification is reported below, highlighting washing 2 up to 6 or 7.

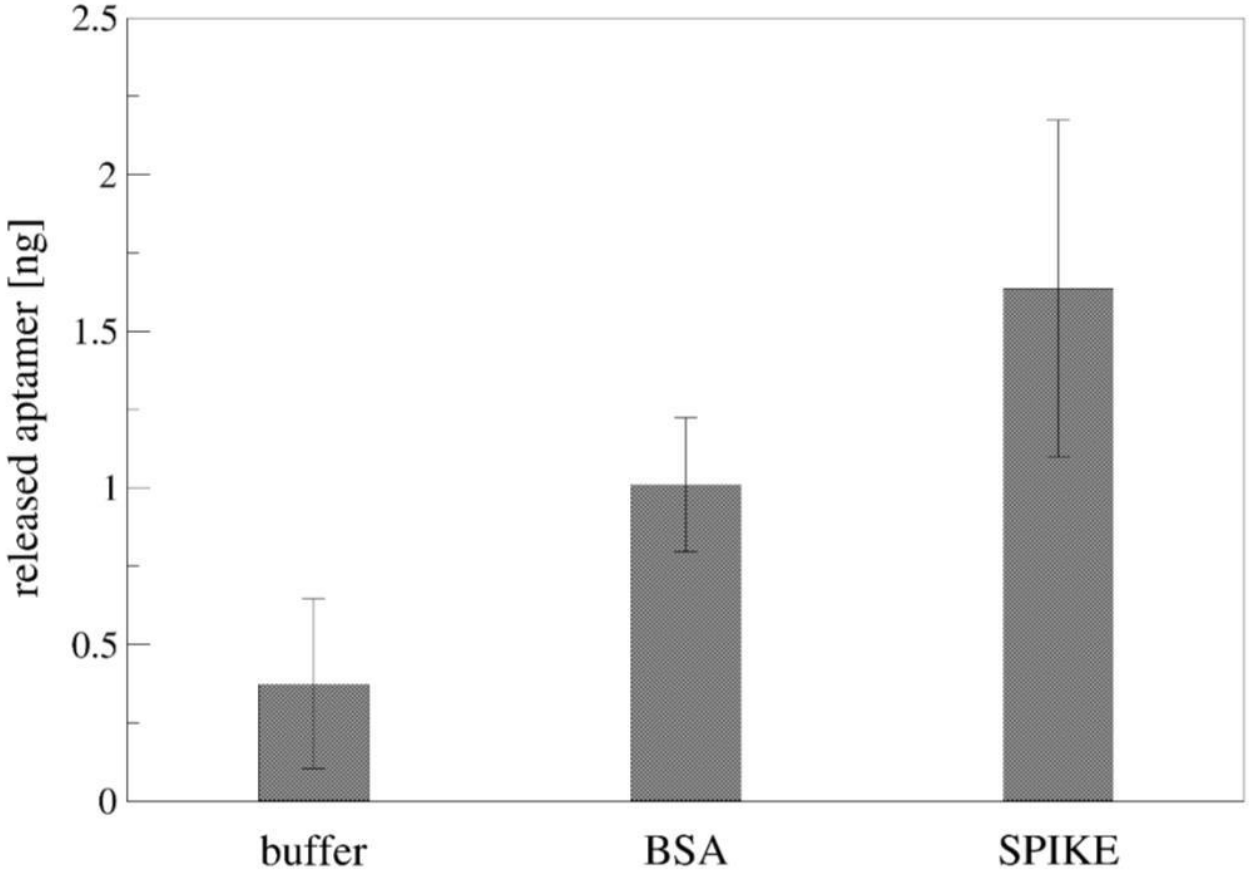

Fig. S3 fluorescent aptamer quantification after released from electrode caused by protein interaction. Bars represent the mean value of two independent experiments and error bars represent the standard deviation.