

Supporting Information

Selective covalent conjugation of phosphorothioate DNA oligonucleotides with Streptavidin

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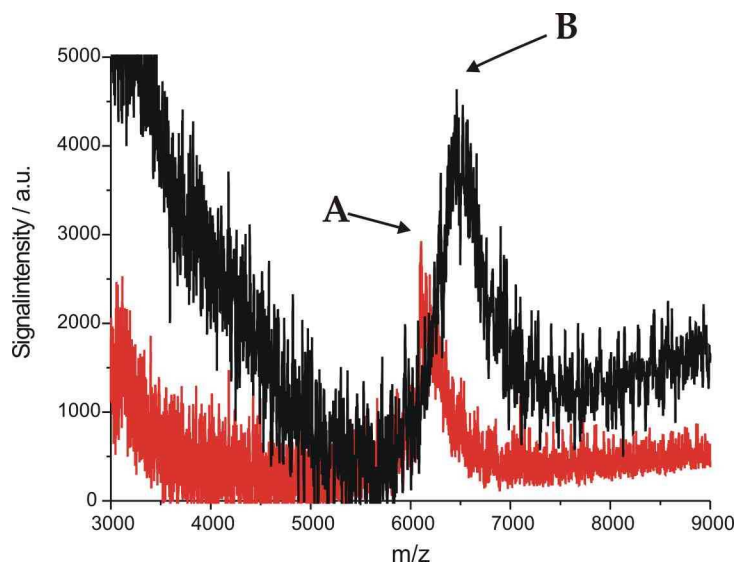


Figure S1: MALDI-TOF analysis of unreacted psF5 (red line) and psF5 (black line) reacted with sSMCC.

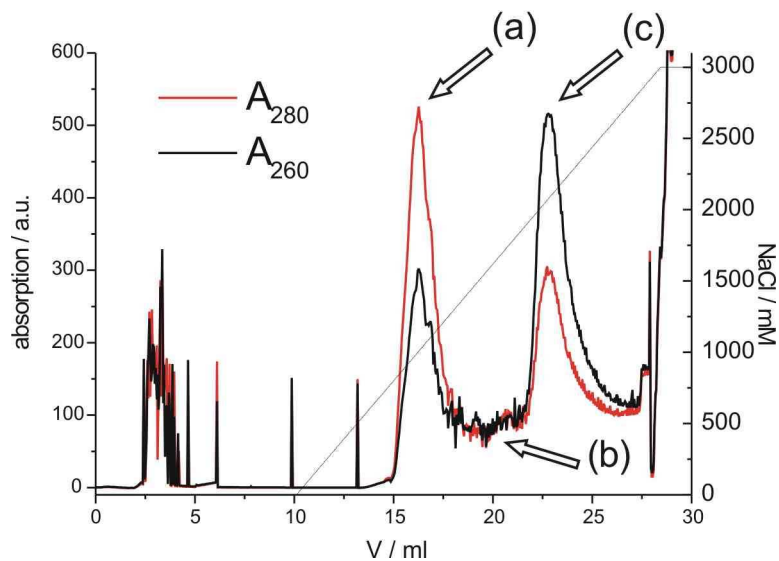


Figure S2: FPLC diagram of the control reaction of 5'-amino-modified psF1 with maleimide-activated STV. On the right axis the amount of NaCl in the mobile phase is depicted. Streptavidin without psDNA (a) is separated from free psDNA (c). Note that no peak corresponding to the psDNA-STV conjugate (position b, see Figures 2 and S3) could be detected.

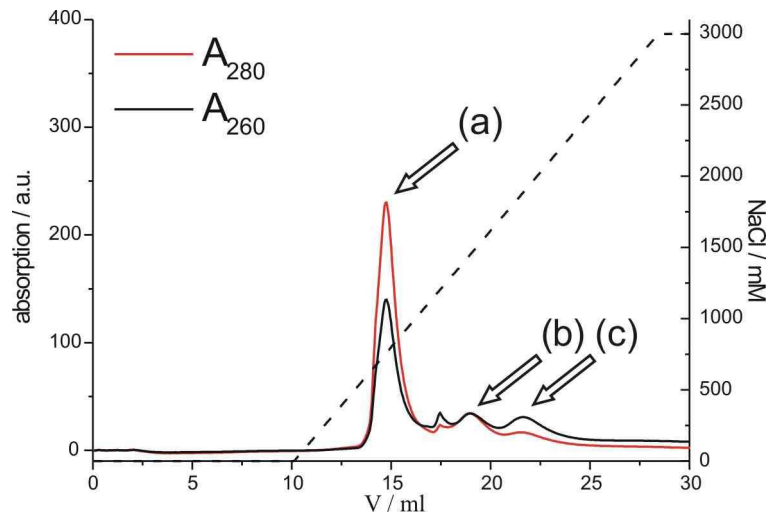


Figure S3: Anion-exchange FPLC chromatogram of the purification of psF5-STV. On the right axis the amount of NaCl in the mobile phase is depicted. Streptavidin without psDNA (a) is separated from the psDNA-STV conjugate (b) and free psDNA (c).

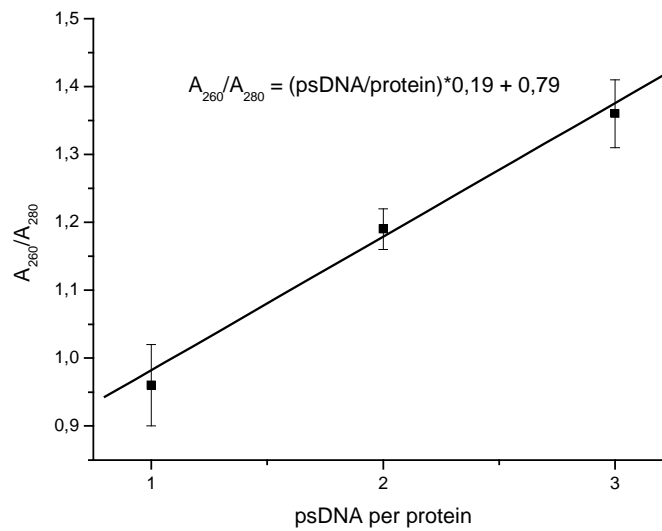


Figure S4: Calibration curve of the ratio of A_{260}/A_{280} absorbance obtained for different mixtures of 3 μM unreacted psF5 and streptavidin.