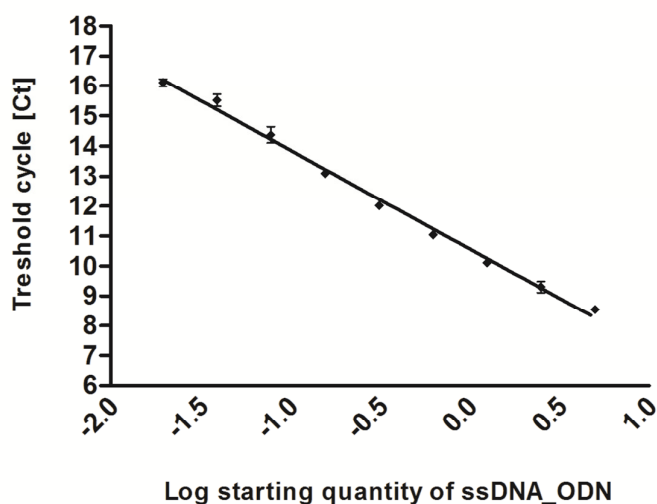
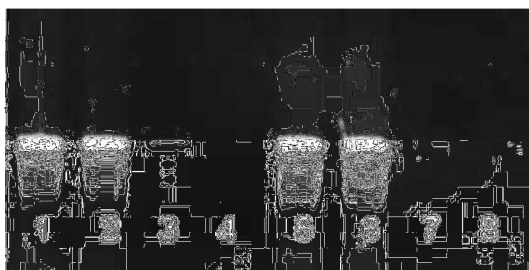


## Supplementary information



**Supplementary Figure 1:** Dynamic range of the quantitative real-time PCR (qPCR). The ssDNA\_ODN amounts (5, 2.5, 1.25, 0.625, 0.3125, 0.08, and 0.02 pg) are plotted logarithmically. The corresponding cycle threshold (Ct) values are plotted on the y-axis.



**Supplementary Figure 2:** Denaturing urea polyacrylamide gel electrophoresis analyses for detection of the eluted ssDNA\_ODN from test objects after three successive elutions in 5 M urea solution or water. Samples of 15  $\mu$ l were run on polyacrylamide urea gels. Lane 1: positive control of 5 M urea solution, Lane 2: First eluate using 5M urea solution, Lane 3: Second eluate using 5M urea solution, Lane 4: Third eluate using 5M urea solution, Lane 5: positive control of water, Lane 6: First eluate using water, 7: Second eluate using water, 8: Third eluate using water.

**Supplementary Table 1: Detected ssDNA\_ODN amounts by qPCR in the three successive elutions in 5 M urea solution or water (n=3).**

	<b>ssDNA_ODN amount [<math>\mu</math>g]</b>			
	<b>positive control</b>	<b>1. eluate</b>	<b>2. eluate</b>	<b>3. eluate</b>
<b>Elution with 5 M urea solution</b>	4 $\pm$ 0.44	3.6 $\pm$ 0.44	0.24 $\pm$ 0.05	0.01 $\pm$ 0.002
<b>Elution with water</b>	4.5 $\pm$ 0.57	1.11 $\pm$ 0.11	0.001 $\pm$ 0.0002	n.d.

n.d.: not detectable