

## Supporting information

**Table S1.** DNA sequence in this work

<b>Title</b>	<b>Sequences (5' to 3')</b>
s1	CAT AAG ACT <b>GGT CAT GTG</b> TTT T
s2	TTT <b>TCA CAT GAC</b> CTC TAA TTG A
linker	TAG AAG TC
padlock	TTA TGT AAC TCA ACA CTT TAT TTT ATC TCA AT
H probe	TCA ACA CTT TAT TTT TTT TAT AAA GTG T