

Supplementary information: Two-dimensional salt and temperature DNA denaturation analysis on a magnetoresistive sensor

Giovanni Rizzi,^a Martin Dufva^a and Mikkel Fougth Hansen^{a†}

^a Department of Micro- and Nanotechnology, DTU Nanotech, Building 345B, Technical University of Denmark, DK-2800 Kongens Lyngby, Denmark.

† e-mail: Mikkel.Hansen@nanotech.dtu.dk

DNA target and probe sequences

Table S.1: Sequences of the wild type (WT) and mutant type (MT) probes and targets for the Cd 8/9 and Cd 17 mutation sites. The target sequences are 120 bases long.

Name	Sequence
Biotinylated	Amino C6-5'-(9xT) TGC GAG CTT CGT ATT ATG GCG -3' TEG Biotin
Cd 8/9 WT Probe	Amino C6-5'-(9xT) GAG GAG AAG TCT GCC GTT ACT G -3'
Cd 8/9 MT Probe	Amino C6-5'-(9xT) GAG GAG AAG GTC TGC CGT TAC -3'
Cd 17 WT Probe	Amino C6-5'-(9xT) CCC TGT GGG GCA AGG TG -3'
Cd 17 MT Probe	Amino C6-5'-(9xT) CCC TGT GGG GCT AGG TGA -3'
WT Target	Biotin TEG 5'- [...] TCA CCT TGC CCC ACA GGG CAG TAA CGG CAG ACT TCT CCT CAG [...] -3'
MT Target	Biotin TEG 5'- [...] TCA CCT AGC CCC ACA GGG CAG TAA CGG CAG ACC TTC TCC TCA [...] -3'