## **Supporting Information Figure 2**.



**Figure 2** Representative melting profiles for several of the oligonucleotides used in this work, determined in sodium (left hand panels), or potassium (right hand panels) containing buffers. Curves in black correspond to 0.1  $\mu$ M oligonucleotide, while those in red are for 1  $\mu$ M oligonucleotide. The y-axis is the relative fluorescence, expressed in arbitrary units, which has been normalized to allow for the different oligonucleotide concentrations.