This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Single-molecule DNA denaturation mapping	<p>A single-molecule DNA denaturation assay could be useful for mapping DNA and detecting sequence variations. In the assay, formamide and local heating were used to partially denature dye-labeled DNA in nanofluidic channels, generating unique grayscale patterns, or 'barcodes,' corresponding to sequence-specific melting variations along a DNA sequence. Next steps include scaling up the technique to map full genomes and applying the technique to DNA extracted from single cells.</p> <p>SciBX 3(26); doi:10.1038/scibx.2010.802 Published online July 1, 2010</p>	<p>Patent application filed; licensing information available from the McGill University Office of Technology Transfer</p>	<p>Reisner, W. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online June 21, 2010; doi:10.1073/pnas.1007081107 Contact: Walter Reisner, McGill University, Montreal, Quebec, Canada e-mail: reisner@physics.mcgill.ca</p>