This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Modification of DNA abasic (AP) sites to help detect AP lesions with nanopore sequencing	<p>The 2-aminomethyl-18-crown-6 (18c6) modification of DNA AP sites could help detect AP lesions during nanopore sequencing. AP sites are among the most frequent lesions in the genome and have high mutagenic potential. DNA modified with 18c6 moved more slowly through the bacterial protein ion channel α-hemolysin nanopore than unmodified DNA and produced a current amplitude signature that enabled detection of the AP site. Next steps include using the method to screen for AP sites in clinical samples and developing other methods to modify DNA AP sites.</p> <p>SciBX 5(27); doi:10.1038/scibx.2012.712 Published online July 12, 2012</p>	Patent application filed; available for licensing	<p>An, N. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online June 18, 2012; doi:10.1073/pnas.1201669109 Contact: Cynthia J. Burrows, The University of Utah, Salt Lake City, Utah e-mail: burrows@chem.utah.edu Contact: Henry S. White, same affiliation as above e-mail: white@chem.utah.edu</p>