This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Assay for single-cell DNA methylation analysis	<p>An assay for single-cell DNA methylation analysis could be useful for understanding the heterogeneity of epigenetic modifications in diseased tissue. The assay system combines methylation-sensitive restriction digestion and multiplex, quantitative, real-time PCR in a microfluidic device. The assay showed that early stage mouse embryo cells with a deficiency in the scaffolding protein <i>tripartite motif containing 28</i> (<i>Trim28</i>) exhibited variable degrees of hypomethylation at all tested genes. Next steps include developing a complete set of assays to monitor methylation status at all genes and adapting the assay for use with human cells.</p> <p>SciBX 6(38); doi:10.1038/scibx.2013.1072 Published online Oct. 3, 2013</p>	Unpatented; licensing status not applicable	<p>Lorthongpanich, C. <i>et al. Science</i>; published online Sept. 6, 2013; doi:10.1126/science.1240617 Contact: Daniel M. Messerschmidt, Agency for Science, Technology and Research (A*STAR), Singapore e-mail: danielm@imcb.a-star.edu.sg Contact: William F. Burkholder, Nanyang Technological University, Singapore e-mail: wfburkholder@gmail.com</p>