

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Solution capture and high throughput DNA sequencing for the detection of cancer mutations	<p>Solution capture and high throughput sequencing of patient DNA samples could make personalized risk assessment of breast and ovarian cancer more accessible. In DNA samples from patients with mutations that cause genetic predisposition to breast and ovarian cancer, genomic DNA was captured by hybridization to oligonucleotides and the sequences of 21 commonly mutated genes were determined with high throughput sequencing. All mutations, deletions and genomic duplications were identified with zero false positives. Next steps could include application of the technology to a broader range of patient samples.</p> <p>SciBX 3(28); doi:10.1038/scibx.2010.874 Published online July 22, 2010</p>	Patent and licensing status unavailable	<p>Walsh, T. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online June 28, 2010; doi:10.1073/pnas.1007983107</p> <p>Contact: Mary-Claire King, University of Washington, Seattle, Wash. e-mail: mcking@uw.edu</p>