This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Lentivirus-based clustered, regularly interspaced short palindromic repeats (CRISPR) library for high throughput screening	A high throughput screening system using lentivirus-based CRISPR libraries could be used to identify therapeutic targets. A CRISPR library was constructed using lentiviral DNA to target 291 human genes with 3 different kinds of single guide RNAs (sgRNAs). In a functional screening study designed to identify genes associated with bacterial toxin resistance, known toxin targets as well as previously unknown genes were identified. In HeLa cells, knockdown of the newly identified genes caused toxin resistance. Next steps include expanding the size of the library and the number of sgRNAs targeting each gene. SciBX 7(19); doi:10.1038/scibx.2014.567 Published online May 15, 2014	Patent application filed; unavailable for licensing	Zhou, Y. <i>et al. Nature</i> ; published online April 9, 2014; doi:10.1038/nature13166 Contact: Wensheng Wei, Peking University, Beijing, China e-mail: wswei@pku.edu.cn