



Assay of *Sry* TALEN activity with the Surveyor nuclease. DNA was prepared from the cells transfected with TALEN pair 1, pair 2, or a GFP expression plasmid. The DNA segments encompassing the targeting sites in the *Sry* locus were then PCR amplified, denatured, and rehybridized. Modification of the locus was measured using the Surveyor nuclease, which recognizes and cuts the mismatch in the DNA hybrids. The expected sizes of digested fragments and the estimate of modification efficiency are shown below. GFP serves as a negative control. NHEJ, non-homologous end-joining.