Figure S1. Genotyping results from LDLR-targeted pig fetal fibroblasts.
A. Example of PCR results. Primers amplified a 1.5 kb product from the wild-type allele and 3.2 kb product from the LDLR-targeted allele. Lanes 1-5 are examples of PCR-positive cell clones. Lane 6 is a wild-type cell clone. B. Southern blot of whole genome amplified DNA. (Left) XmnI digested genomic DNA was hybridized with a probe that detects porcine LDLR downstream of the targeting vector boundary. The LDLR-targeted allele produced an approximately 7.8 kb band, and the wild-type band is approximately 6.0 kb. (Right) The same DNA was hybridized with a probe that detects the NeoR cassette, yielding only the targeted 7.8 kb band. Lane 3 is an example of a properly targeted cell line. Lane 5 is a wild-type control.