Supporting Note S3: DNA sequences of probes used in the \textit{in vitro} testing of CD-specific ZFNs.

---8470-8482---

gtatggccaccataattacccccatactccttacactatctctcatcaccaaactaaaatatataaaccctgagacaccataatasatatataacccaactaattatatcaactaaaatataaaactaaaaatattaaaacacaAACTACCACCTACCTccttcaccactgctctcattcttcattgccttacccgccggtacgtacctagtatttc---

---13447-13459---
gccatactattttgtgtctcgggtccatcatccacacactattaactgaacagagataattcgaatagagaagtacctctatccaccttcctactccacctgcacctgcacctgcacagcaggcacttcatctcactgaaaccacaacatcatcgaacggcgaacatatacacaacaacgcctgagcctcatcatcatttt---

---8470-13447---

gtatggccaccataattacccccatactccttacactatctctcatcaccaaactaaaatatataaaccctgagacaccataatasatatataacccaactaattatatcaactaaaatataaaactaaaaatattaaaacacaAACTACCACCTACCTccttcaccactgctctcattcttcattgccttacccgccggtacgtacctagtatttc---

The binding sites for mtZFN monomers R8-\(n\)\,(+) and R13-\(n\)\,(-) on either side of the CD are in red and blue, respectively. Black boxes denote the mtDNA tandem repeats.

Respective DNA fragments were PCR amplified from a total human DNA sample and the resulting product was cloned into the pCR4 plasmid using ZeroBlunt® TOPO® Cloning Kit (Life Technologies) according to the manufacturer’s instructions. For the \textit{in vitro} tests (Fig. S1) these pCR4 plasmids containing mtDNA fragments were digested with \textit{NcoI} and end-labeled.