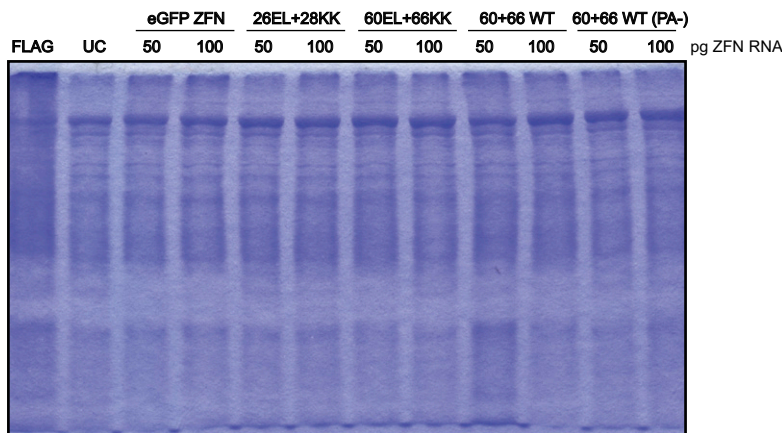


# Supporting Information

Young et al. 10.1073/pnas.1102030108



**Fig. S1.** Loading control for ZFN Western blot. Coomassie stained gel of lysates used for detecting FLAG-tagged ZFNs by Western blotting. EL+KK, ZFNs with the EL and KK modifications in the FokI domain (1); numbers represent different noggin ZFN pairs (Table S1).

1. Miller JC, et al. (2007) An improved zinc-finger nuclease architecture for highly specific genome editing. *Nat Biotechnol* 25:778–785.

**Table S1. Noggin ZFN target sites and amino acid sequences of designed zinc-finger recognition helices**

Noggin ZFN-binding sequence (underlined)	ZFN	Finger 1	Finger 2	Finger 3	Finger 4	Finger 5	Finger 6
AGCATCCGGATCCTAtctat <u>GATCCCAAGGAGAAG</u>	25729KK	RSDNLSV	RSANLTR	RSDNLSV	IRSTLRD	TSSNLSR	
TCGTAGGCCTAGGATagataCTAGGGTTCCTCTTC	25728EL	QSSDLSR	TSANLSR	RSDLTSE	TSANLSR	RSDYLTK	
ATCCGGATCCTATCTatgat <u>CCCAAGGAGAAGGAT</u>	25731KK	TSSNLSR	RSDNLSV	RSANLTR	RSDNLSV	IRSTLRD	
TAGGCCTAGGATAGataactaGGGTTCCTCTCCTA	25730EL	TSSNLSR	RSDLTSE	TSANLSR	RSDYLST	QNAHRKT	
CTTATTgAGCATCCGGATCctatc <u>TATGATCCCAAGGAGAAG</u>	15026EL	RSDNLSV	RSANLTR	RSDNLSV	DNRDRIK	QSSNLAR	TSSNRKT
GAATAAcTCGTAGGCCTAGgatagATACTAGGGTTCCTCTTC	15028KK	RSDALST	ASSNRKT	QSSDLSR	TSANLSR	RSDLTSE	TSANLSR
CTTATTgAGCATCCGGATCctatc <u>TATGATCCCAAGGAGAAG</u>	25766KK	RSDNLSV	RSANLTR	RSDNLSV	IRSTLRD	TSGNLTR	NRGNLVT
GAATAAcTCGTAGGCCTAGgatagATACTAGGGTTCCTCTTC	25758EL	RSDALST	ASSNRKT	QSSDLSR	TSANLSR	RSDLTSE	TSANLSR
CTTATTgAGCATCCGGATCctatc <u>TATGATCCCAAGGAGAAG</u>	25766KK	RSDNLSV	RSANLTR	RSDNLSV	IRSTLRD	TSGNLTR	NRGNLVT
GAATAAcTCGTAGGCCTAGgatagATACTAGGGTTCCTCTTC	25760EL	RSDALST	ASSNRKT	QSSDLSR	TSANLSR	RSDLTSE	TSANLSR
CTTATTgAGCATCCGGATCctatc <u>TATGATCCCAAGGAGAAG</u>	25766KK	RSDNLSV	RSANLTR	RSDNLSV	IRSTLRD	TSGNLTR	NRGNLVT
GAATAAcTCGTAGGCCTAGgatagATACTAGGGTTCCTCTTC	25763EL	RSDALST	ASSNRKT	QSSDLSR	TSANLSR	RSDTSE	TNSNRKR

Noggin ZFN-binding site: genomic sequence of noggin with ZFN-binding sites underlined. ZFN: ZFN pairs that target the corresponding noggin sequence. Fingers 1–6: amino acid sequence of zinc-finger recognition helices for each ZFN.

## Other Supporting Information Files

[SI Appendix \(DOC\)](#)