Table S3. Mutagenicity of four sgRNAs targeting *unc-22* correlate with predictions of the web tool based on the study of Doench *et al*. (2014)

10 N2 animals were microinjected with a mix containing Cas9, one of the sgRNAs and a GFP marker. GFP positive F_1 animals were isolated and scored for segregation of Unc-22 twitcher animals. pIK214 sgRNA was modified so that the beginning nucleotide was A (underlined) instead of U, for improved transcription.

sgRNA	Unc-22/fluorescent (%)	sgRNA design tool score
pIK206 5' GACAAGCCGAAACCACCAAA 3'	16/99 (16)	0.82
pIK199 5' GCUCCAUUGGUAUGGUACCG 3'	86/97 (89)	0.76
pIK214 5' AUCCACGAUUCAUUAUUGAAA 3'	1/94 (1)	0.05
pIK207 5' AAACAAAUUUCCAGUAUGCC 3'	14/226 (6)	0.04

I. Katic, L. Xu, and R. Ciosk