

## Supplementary information, Figure S1

*EGFP*-sgRNA: GGCGAGGGCGATGCCACCTA

<i>EGFP</i>	CAGCGTGTCCGGCGAGGGCGAGGGCGATGCCACCTACGGCAAGCTG	
	CAGCGTGTCCGGCGAGGGCGAGGGCGATGCCA-CTACGGCAAGCTG	-1 (×5)
	CAGCGTGTCCGGCGAGGGCGAGGGCGATG----CTACGGCAAGCTG	-4 (×2)
	CAGCGTGTCCGGCGAGGGCGAGGGCGATGCC--CTACGGCAAGCTG	-2 (×3)
	CAGCGTGTCCGGCGAGGGCGAGGGCGATGCCAC--ACGGCAAGCTG	-2 (×2)
Mutant <i>EGFP</i>	CAGCGTGTCCGGCGAGGGCGAGGGCGATGCCAC----GGCAAGCTG	-4 (×1)
	CAGCGTGTCCGGCGAGGGCGAGG-----CTACGGCAAGCTG	-10 (×1)
	CAGCGTGTCCGGCGAGGGCGAGGGCGCT-----ACGGCAAGCTG	-7 (×2)
	CAGCGTGTCCGGCGAGGGC-----CTACGGCAAGCTG	-14 (×1)
	CAGCGTGTCCG-----CTACGGCAAGCTG	-22 (×1)
	CAGCGTGTCCGGCGAGGGCGAGGGCGATGCCACcCTACGGCAAGCTG	+1 (×3)

**Figure S1** The sequences of the *EGFP* transgene in mice carrying

CRISPR-Cas9-induced modifications. Deletions are indicated with (-), insertions are

indicated with (+). Small letter represents the inserted nucleotide.