

Table S5 The off-target analysis in cured SSC lines

Potential off-target sites	Sequence*	Mutated SSC line (Total)
Gm19385 (XR_108168)	CCACAAG <u>CCCCAGTCCTGGAGAC</u>	0 (15)
E17Rik (XR_108157)	ACCAGAG <u>CCCCAGTCCTAACTCT</u>	0 (15)
Plod1 (NM_011122)	TGGGCAG <u>CCCCAGTCCTGGAGTG</u>	0 (15)
Rnf145 (NM_026338)	CTTCTGT <u>CCCCAGTCCTGGAAGC</u>	0 (15)
D21RIK (NM_026338)	AAATCAG <u>CCCCAGTCCTGGCAAC</u>	0 (15)
Prkce (NM_011104)	CC <u>CAGAGCCCCAGTCC</u> ATGTCC	0 (15)
Dnahc17 (NM_001167746)	TACAACCAG <u>CCTGGAAGG</u>	0 (15)
Chd9 (NM_177224)	AGAAGAG <u>CCCCAGTCCTCTGAAG</u>	0 (15)
ZFP592 (NM_178707)	GTGGGAG <u>GCCAGTCCTGGAAG</u>	0 (15)
Herc2 (NM_010418)	CC <u>CAGAGCCCCAGTCCTGGATG</u>	0 (15)
chr6:+51002808	TACAGAG <u>CCCCAGTACTGGAGGG</u>	0 (15)
chr16:+33725766	TACTGAC <u>CCCCAGTCCTGGAAGG</u>	0 (15)
chr5:-86298017	TACACAGCTCCAGTCCTGGAGAG	0 (15)
chr1:+184866407	TACACAG <u>CCCCAATCCTGGAGAG</u>	0 (15)
chr12:+71129162	TTCCGAGACCCAGTCCTGGACAG	0 (15)
chr17:+15421401	GAAAGAGCCACAGTCCTGGACAG	0 (15)
chrX:-10991483	GCTAGAG <u>CCCCAGTCCTGGACAG</u>	0 (15)
chr7:-127342851	TTCTGAGCTCCAGTCCTGGAGGG	0 (15)
chr4:-125232295	ACCACAGTCCAGTCCTGGAAGG	0 (15)
chr5:-91121359	TACTGAGTCCCGTCCTGGAAAG	0 (15)
chr5:-22473269	TATGTAGCCACAGTCCTGGAGAG	0 (15)

*: 14 consecutive nucleotides of identity to the authentic target sequence are highlighted with underline.