

Drug Metabolism and Disposition

Generation and Characterization of a CYP2C11-null Rat Model by using the CRISPR/Cas9 method

Y Wei, L Yang, X Zhang, D Sui, C Wang, K Wang, M Shan, D Guo, H Wang

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
gRNA	T	C	A	A	G	G	G	T	A	A	A	C	T	C	A	G	A	C	T	G	
R-01	G							G													
R-02		G										G									
R-03							T	A													
R-04								A					G								
R-05								A									C				
R-06								C						T							
R-07								C										G			
R-08									T		G										
R-09									T								C				
R-10										C								G			
R-11													T				T				

Supplemental Figure 1. Eleven potential off-target sites for sgRNA, marked in red and shaded.

The shaded boxes show mismatches between the gRNA sequence and the listed off-target sites.

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Supplemental Table 1. Primers used to amplify DNA sequences containing potential off-target sites

	Forward primer (5'-3')	Reverse primer (5'-3')
R-01	GTTTGCTTCGTGGGTGTG	GGTTCAAGTCTCCTCAGTAAGAG
R-02	GGAAGAGGTAGGATGAACAGACT	GAGAAGGAAGAAAGGAAAGG
R-03	TGACTTAGCCGTGAGCAGTT	ACAAGTGGAACGAAAGGAGAAG
R-04	CTTTGTTCTCTAACTGCTTGCT	TCTTGCTACTAGGTGCTCTTG
R-05	ATGGTGAGACAAGGTGTGGTAA	ACAGTCTATAATAAGTATGCGGAGC
R-06	CCAGAAGCCAGAATAACAAGAT	CGATATTAGAGTGCCAGTGTG
R-07	CTTGTGCCTAGCGTGAGTCTG	CCTCTGCATCCTGCTTGTCTT
R-08	AGAAGGAGGCAAGGTACACA	GGTGTCAAACCAAGCCATAT
R-09	TGAGTTACACGGTGAGAATCCA	AGCATCACACGGCAAGAGAA
R-010	GAGCAGACATATGGACAGGAG	AATAGCAGAAGAACTTGGTGGT
R-011	CACTGGTGATGCTTAATGAGG	CACTGCTTGTCTGGATTGC