A

Zscore of injured side

	RNA-seq	qPCR
Clcn1		
Gadd45a		
Kcnj2		

-1.0 -0.5 0.0 0.5 1.0

B

Adjusted relative quantity

mChR2

- Emx1-ChR2, Day +3 sham
- Emx1-ChR2, Day +3 lesion
- Emx1-ChR2, Day +7 sham
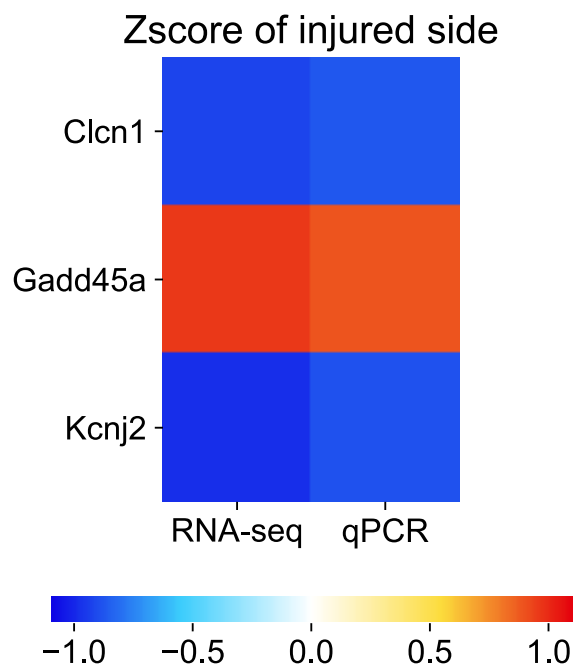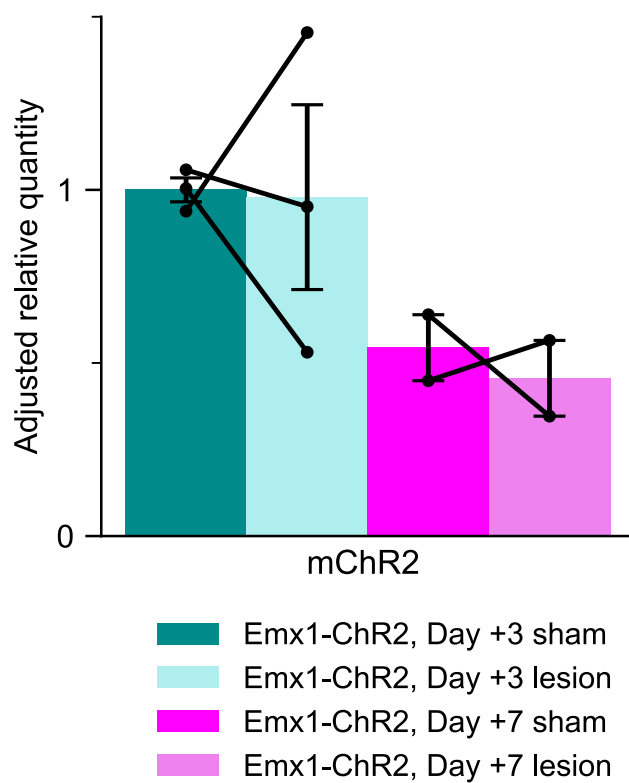- Emx1-ChR2, Day +7 lesion

C

Name	Sequence
mClcn1_F	TACGGACTGCCCTCAGAGAA
mClcn1_R	TGGCCATATATCTGTGTTGGGT
mGadd45a_F	TGGTGACGAACCCACATTCA
mGadd45a_R	TCCATGTAGCGACTTTCCCG
mKcnj2_F	CCTGTACCAGCAACAGGACAA
mKcnj2_R	TGGGGGTTCTTTTGACCAGCA
mActb_F	GGCTGTATTCCCCTCCATCG
mActb_R	CCAGTTGGTAACAATGCCATGT
mChR2_F	CCATGGGTCTGCTTGTGTCT
mChR2_R	GACCTTGACGTATCCGGTGG