Supplementary information for

Positive correlation between nNOS and stress-activated bowel motility is confirmed by *in vivo* HiBiT system

Short title: IBS, nNOS, and HiBiT

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1. The detailed sequence information of primer, sgRNA, and ssODN
2. List of antibodies used in this study

Supplementary Table S1. The detailed sequence of primers, ssODN, and sgRNAs

Gene		sgRNA binding sequence
nNOS	Primer F	5'-TGGAGAGTTAGGGGCAGT-3'
	Primer R	5'-GGGTTGGGGTTGAGAGAAG-3'
	ssODN	CCCTGACCCCCGAAGAAAGCTAAGGAACCTGGTTTCCACGCCACTAACACCTTC TCTTGTCCAGCAGGGTTTTCAGCTCCGTGAGCGGCTGGCGGCTGTTCAAGAAGA TTAGCTAACTGGATCCTCCCGCCCCATGGGATATGGGGTGGCTGCCCTGAGTGC CCACGCGAGGGCGGCCGCAAGTTGACTAAAC
	sgRNA 1	CAGGGTTTTCAGCTCCTAAC

Supplementary Table S2. List of antibodies used in this study

	Target	Clone	Host	Dilution	Company
Primary antibody	iNOS	Polyclonal	Rabbit	1:500 (WB)	Biorbyt
	eNOS	Polyclonal	Rabbit	1:500 (WB)	Biorbyt
	nNOS	Polyclonal	Rabbit	1:500 (WB)	Biorbyt
	α-tubulin	Polyclonal	Rabbit	1:3000 (WB)	Cell Signaling
	β-actin	D6A8	Rabbit	1:3000 (WB)	Cell Signaling
Secondary antibody	Rabbit (HRP)		Goat	1:2000	Santa cruz