

Electronic supplementary information

Tables

Table S1. Target gene primers

Gene	Forward (5' to 3')	Reverse (5' to 3')
<i>Gapdh</i>	TATAGCGAGAGGGACCCAGC	GACTCTCTTTGCACCACCCT
<i>INFy</i>	TGAGCATCGCCAAGTTCGAG	CCTTTTCCGCTTCCTTAGGCT
IL-6	GCCCACCAGGAACGAAAGTC	TGGCTGGAAGTCTCTTGCGG
<i>Tnfa</i>	GTCCAACAAGGAGGAGAAGT	TTTGCTACGACGTGGGCTAC
IL-1 β	CAGGATGAGGACCCAAGCAC	GTCGTCATCATCCCACGAGT
MCP-1	GCAGGTCTCTGTCACGCTTC	GGCATTAACTGCATCTGGCTGA
Cdx2	GGAAGCCAAGTGAAAACCAG	CTTTCCTCCTGATGGTGATG
Klf3	GGCACAACGGTCAGATACGG	AGGAACCCAAGAGCCAAGAT
Tff3	ACCCTGCTGCTGGTCCTGGTTGCT	CCACAGTCCACCCTGACATTTGC
Muc2	TCCCTCTTACAAGGGCAATG	TTCCAGCTGTTCCCAAAGTC

Table. S2 Primary antibodies used in western blot analysis

Primary antibody	Company	Catalog No.	Source	Concentration used
Egr-1	Santa Cruz Biotechnology (Heidelberg, Germany)	sc-101033	Mouse	1:1000
BAX	Affinity (Cincinnati, OH, USA)	AF0120	Rabbit	1:3000
Bcl-2	Boster (Wuhan, China)	A00040-1	Rabbit	0.5 μ g/mL
Metallothionein, MT	Abcam (Cambridge, UK)	ab12228	Mouse	1:1000
SLC30A1, ZnT-1	EterLife (Birmingham, UK)	EL901929-100	Rabbit	1:1000
SLC39A4, ZIP4	EterLife	EL902534-100	Rabbit	1:2000
SLC39A5, ZIP5	EterLife	EL917000-100	Rabbit	1:1000
ZO-1	Invitrogen (Carlsbad, CA, USA)	61-7300	Rabbit	5 μ g/mL
Occludin	Invitrogen	33-1500	Mouse	0.1 μ g/mL
β -actin	Proteintech Group (Rosemont, IL, USA)	20536-1-AP	Rabbit	1:5000

Figure Legends

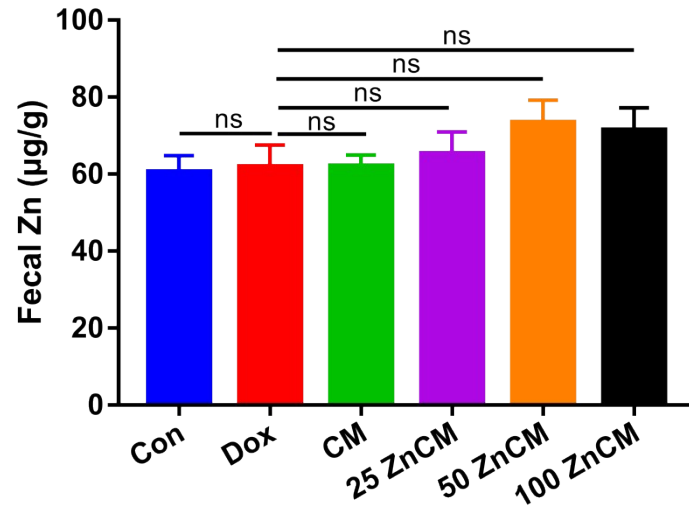


Fig. S1. The zinc level in feces from donors.

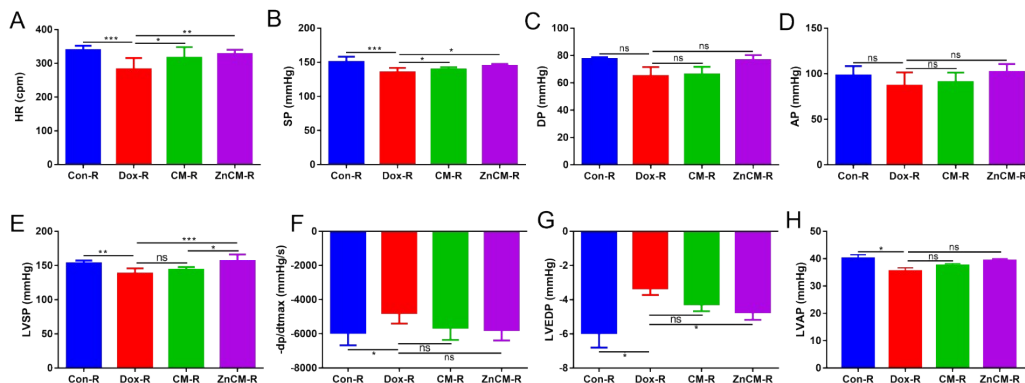


Fig. S2. Parameters of cardiac function of recipient rats determined by the Biological Function Experiment System. HR, heart rate; SP, systolic blood pressure; DP, diastolic blood pressure; AP, average blood pressure; LVSP, left ventricular systolic pressure; +dp/dtm, maximum rate of contraction; -dp/dtm, minimum rate of contraction; LVEDP, left ventricular end diastolic pressure