

Supplementary material

Table S1: Levels of nNOS, CAPON and Dexas1 expression in the prefrontal cortex by Immunohistochemistry and immunofluorescence ($n = 12$)

Groups	nNOS	CAPON	Dexas1
C	0.79 ± 0.02	0.10 ± 0.03	0.25 ± 0.02
CK	$0.65 \pm 0.03^{\#}$	$0.17 \pm 0.04^{\#}$	$0.31 \pm 0.02^{\#}$
D	0.78 ± 0.02	0.09 ± 0.01	0.25 ± 0.01
DK	$0.05 \pm 0.01^{\blacktriangle\square}$	$0.28 \pm 0.03^{\blacktriangle\square}$	$0.46 \pm 0.02^{\blacktriangle\square}$

Compared with group D3, $^{\#}P < 0.05$; Compared with group D7, $^{\blacktriangle}P < 0.05$; Compared with group F7, $^{\square}P < 0.05$.

Data were shown as mean value \pm SD, Tukey's multiple comparison test used to compare differences between the groups.

Table S2: Expression of nNOS, CAPON and Dexas1 mRNA in prefrontal cortex of rats in each group ($n = 12$)

Groups	nNOS mRNA	CAPON mRNA	Dexas1 mRNA
C	0.0013 ± 0.0003	0.0031 ± 0.0004	0.0030 ± 0.0008
CK	0.0016 ± 0.0004	0.0033 ± 0.0005	0.0028 ± 0.0004
D	$0.0061 \pm 0.0006^{\#}$	$0.0010 \pm 0.0006^{\#}$	$0.0015 \pm 0.0005^{\#}$
DK	$0.0031 \pm 0.0007^{\blacktriangle}$	$0.0019 \pm 0.0007^{\blacktriangle}$	$0.0022 \pm 0.0006^{\blacktriangle}$

Compared with group C, $^{\#}P < 0.05$; Compared with group D, $^{\blacktriangle}P < 0.05$.

Data were shown as mean value \pm SD, Tukey's multiple comparison test used to compare differences between the groups.