1	Supplementary materials
2	Estrogen ameliorates microglial activation by inhibiting the Kir2.1
3	inward-rectifier K^+ channel
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(a)















1 Supplementary Table S1. Body weight of C57BL/6J mice.

Age		Sample	Mean \pm SEM	coefficient of
(months)		size	(g)	variation (%)
3	male	8	21.7 ± 0.7	9.2
	female	10	21.4 ± 0.3	4.8
6	male	8	26.2 ± 0.6	6.2
	female	7	25.5 ± 0.8	8.4
9	male	8	29.7 ± 0.6	5.6
	female	5	28.2 ± 0.6	4.9
12	male	4	33.3 ± 1.1	6.6
	female	7	29.6 ± 0.8	7.5

1 Supplementary Table S2. The health monitoring annual report of C57BL/6J

2 mice.

Laboratory Animal Center of National Cheng Kung University Health monitoring report

Location : Tainan, Taiwan		Report date : 25 Jan,2016		
Area: 12F Clean	ROOM : CH32-	Н	Specics : Mouse	
	Current POS/TSTD	12Months POS/TSTD	Methods	
Mouse Hepatitis virus	0/1	0/5	ELISA	
Pneumonia Virus of Mice	0/1	0/5	ELISA	
TMEV	0/1	0/5	ELISA	
Mouse adenovirus (MAd)	0/1	0/5	ELISA	
Mouse parvovirus (MPV)	0/1	0/5	ELISA	
Mycoplasma pulmonis	0/1	0/5	ELISA	
Murine norovirus	0/1	0/5	ELISA	
Minute virus of mice (MVM)	0/1	0/5	ELISA	
Hantaan virus	0/1	0/2	ELISA	
Sendai virus	0/1	0/3	ELISA	
Ectromelia virus (Mouse Pox)	0/1	0/3	ELISA	
Reovirus 3 (Reo 3)	0/1	0/3	ELISA	
LCMV	0/1	0/2	ELISA	
Bordetella bronchiseptica	0/1	0/3	Culture	
Corynebacterium kutscheri	0/1	0/3	Culture	
Salmonella spp.	0/1	0/3	Culture	
Pseudomonas aeruginosa	0/1	0/3	Culture	
Helicobacter spp.	0/1	0/3	PCR	
Pneumocystis murina	0/1	0/3	PCR	
Endoparasites- Helminths	-			
Aspiculuris tetraptera	0/1	0/3	Direct exam. and flotation test	
Hymenolpis diminuta	0/1	0/3	Direct exam. and flotation test	
Rodentolepis nana	0/1	0/3	Direct exam. and flotation test	
Syphacia spp.	0/1	0/3	Direct exam. and flotation test	
Ectoparasites				
Flea	0/1	0/3	Clinical exam and necropsy	
Louse	0/1	0/3	Clinical exam and necropsy	
Mite	0/1	0/3	Clinical exam and necropsy	

