

//
//
//

()

GIRK₂

*

GIRK₂

Wistar

RT-PCR

GDX+Testosterone Sham GDX

GIRK₂

()

GIRK₂

()

GIRK₂

GIRK₂ mRNA

()

GIRK₂

RT-PCR

GIRK₂

()

()

()

.()

.()

GIRK₂

.()

GIRK₂

.()

.()

) Wistar

) (

.()

(

% ± °C

.()

(GDX) (intact)

. (GDX+T)

+

Sham

GIRK

G

.()

(mg/kg)

GIRK

GIRK₁₋₄GIRK₂

.()

GIRK₂

Mitrovic

Sham

.()

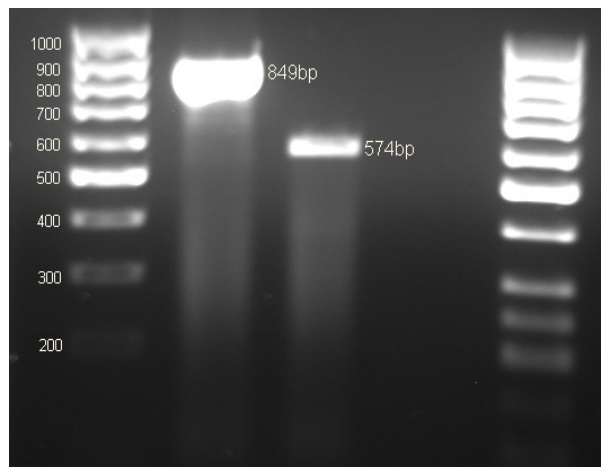
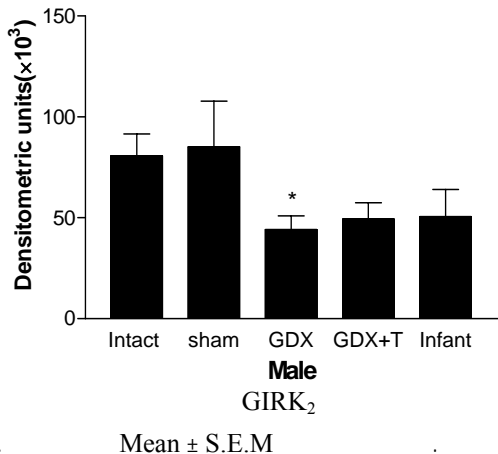
GIRK₂

(°C) RNA Sham
 PCR annealing
 () β -actin GIRK₂
 GIRK₂ ()
 Primer3 β -actin
<http://www.genome.wi.mit.edu>
 NCBI BLAST
<http://www.ncbi.nlm.nih.gov> mg/kg
 PCR Sham
 β -actin GIRK₂ ()
 (VBC biotech, Austria)
 GenBank
 RT-PCR Sham
 GIRK₂ ()
 RNA μ g
 RT μ l CO₂
 RT 1X : cDNA

RT-PCR

Gene	Sequence	position	Anneal temperature(°C)	PCR product size (bp)	Gene Bank accession nos.
GIRK ₂	F 5'-tgggaaactatgcctgatgt-3' R 5'-ttctccgggtctctt-3'	862-881 1435-1416	53	574	EF156275
β -Actin	F 5'-gaagtacccattgaacacg-3' R 5'-gacagtgaggccaggataga-3'	282-301 1130-1111	55	849	EF156276

				(50mM DTT, 20mM MgCl ₂ , 250mM KCl, 250mM Tris HCl pH 8.3 @ 25°C)
	cDNA			M-Mulv 20iu/μl (Fermentas) μl
				Rnasin 40iu/ μl (Fermentas) μl
	PCR	μl		() dNTP 25mM / μl
% /	loading		/ μg/μl / μl	DEPC Water / μl
DNA ladder			RT . μl	Oligo dT (Fermentas)
	bp			°C
			° C	M-Mulv
			Rat	cDNA
UV	Gel documentation acquisition		PCR	PCR
			GIRK ₂	
				β actin
Lab works (UVP,UK)			PCR	
	GIRK ₂			μl cDNA
			μl dNTP 25mM :	μl
			() / μl Taq 5iu/μl / μl MgCl ₂	
t-test			μl 10μM μl 10X PCR buffer	
		P< /		μl
			Touchgene	PCR
			Gradient thermocycler (Techne, UK)	
				:
	PCR		()	C°.
GIRK ₂	bp :		annealing	C° :
	() β-actin	bp		C°
GIRK ₂			()	C°.
				PCR
	GIRK ₂ mRNA			cDNA
(Intact)			cDNA	PCR
				PCR

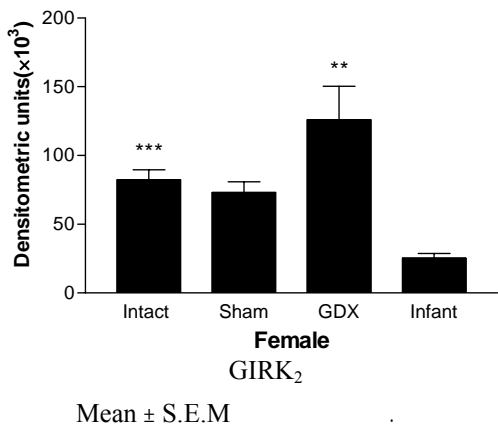


P < / *

:GDX

:GDX+T

mg/kg

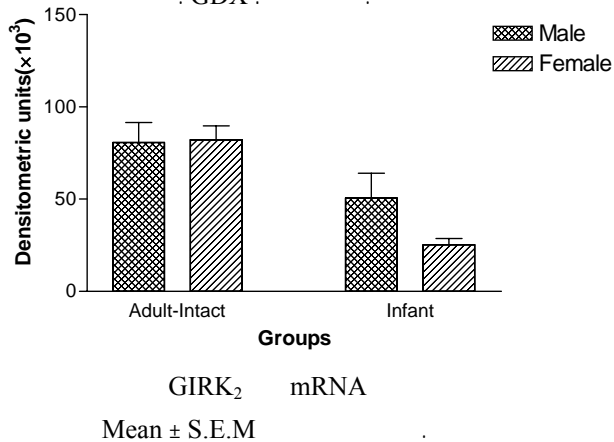


< / ***

P < / **

P

:GDX



β- GIRK₂ PCR
 100 bp DNA ladder
 β-actin
 GIRK₂
 cDNA PCR
 mg/kg

mRNA

GIRK₂

()

GIRK₂ mRNA

(P < /)

mRNA

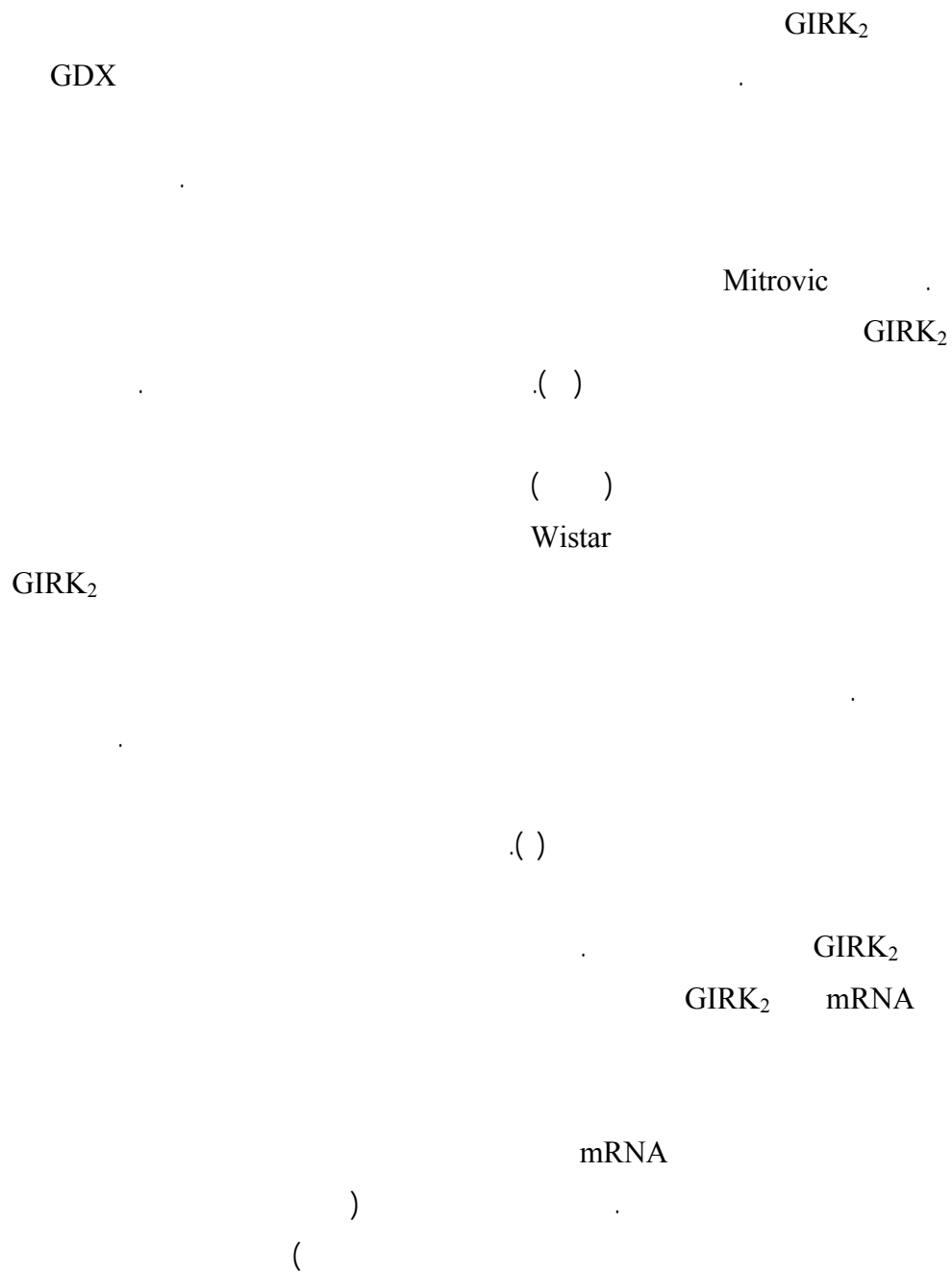
(P < /)

GIRK₂ mRNA

()

()

GABA_B μ
 () PKA GIRK GIRK₂
 mRNA GIRK₂ Craft ()
 GIRK₂ Fillingim () Ness
 GIRK₂ GIRK₂ ()
 mRNA GIRK₂ GIRK₂
 μ) G
 () GIRK D₂ GABA_B (κ
 GIRK₂ ()
 () GIRK



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