

Supplementary Material

Prepubertal male rats with high rates of germ-cell apoptosis present exacerbated rates of germ-cell apoptosis after serotonin depletion

Néstor Méndez Palacios^A, María Elena Ayala Escobar^B, Maximino Méndez Mendoza^A, Rubén Huerta Crispín^A, Octavio Guerrero Andrade^C, Javier Hernández Meléndez^D and Andrés Aragón Martínez^{D,E}

^AFacultad de Medicina Veterinaria y Zootecnia, Benemérita Universidad Autónoma de Puebla, CP 75470, Tecamachalco, Puebla, México.

^BLaboratorio de Pubertad, Unidad Multidisciplinaria de Investigación, Facultad de Estudios Superiores Zaragoza, Universidad Nacional Autónoma de México, AP 9-020, CP 15000, Distrito Federal, México.

^CUniversidad Autónoma Metropolitana Xochimilco, CP 04960, Distrito Federal, México.

^DLaboratorio de Biología de la Reproducción, Facultad de Ingeniería y Ciencias, Universidad Autónoma de Tamaulipas, AP 337, CP 87149, Ciudad Victoria, Tamaulipas, México.

^ECorresponding author. Email: armandres@gmail.com

Table S1. Primers used for PCR

Genes	Sense	Antisense	Size (bp)
Ppia	CCCCACCGTGTTCTTCGACAT	GCTGGTCTTGCCATTCCTGGA	451
Hsd3b2	ATCTGTTGGAGGCCTGTGTC	AAGTATGCAATGTGCCACCA	228
Ar	GTGTCGTCTCCGGAAATGTT	GGAATCAGGCTGGTTGTTGT	250
Crem	GGTGACATGCCAACTTACCA	AGCAGCTTCCCTGTTTTTCA	363
Shbg	TGGTCCAGATTGGCCTTGAA	TCGAGACAATGCAGGCAGAA	192
Bax	GAACAGATCATGAAGACAGG	GCAAAGTAGAAGAGGGCAAC	302
Bcl2	ATGCCGGTTCAGGTACTIONCAG	CGACTTTGCAGAGATGTCCA	222

Table S2. Spearman's rho rank correlation coefficients and p-value between mRNA expression of some genes in rats with high rate of germ cell apoptosis

Rho values are below the diagonal and p-values are up the diagonal

	Bax	Bcl2	Hsd3b2	Shbg	Ar	Crem
Bax		0.1336	0.0007	0.0768	0.4062	0.3317
Bcl2	0.41		0.1153	0.9596	0.3471	0.4600
Hsd3b2	0.77	0.42		0.0498	0.0687	0.8984
Shbg	0.47	0.01	0.51		0.8298	0.8984
Ar	0.23	0.26	0.48	0.06		0.6682
Crem	-0.37	0.28	-0.05	-0.05	0.17	

Table S3. Spearman's rho rank correlation coefficients and p-value between mRNA expression of some genes in rats with low rate of germ cell apoptosis

Rho values are below the diagonal and p-values are up the diagonal

	Bax	Bcl2	Hsd3b2	Shbg	Ar	Crem
Bax		0.5082	0.0385	0.1922	-0.2885	0.0704
Bcl2	-0.19		0.1143	0.9295	0.4201	0.8984
Hsd3b2	-0.54	0.43		0.5936	0.0087	0.2242
Shbg	0.36	0.03	-0.15		0.2773	0.6368
Ar	-0.29	0.22	0.65	-0.30		0.8984
Crem	-0.63	-0.05	0.45	-0.18	0.05	