Supplementary Materials: Gestational Zearalenone Exposure Causes Reproductive and Developmental Toxicity in Pregnant Rats and Female Offspring

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Table S1. Relative organ weights (%) of adult F1 female rats [1].

Organs	Treatments			
	Control	5 ZEN	10 ZEN	20 ZEN
ovary	0.056 ± 0.013 [a]	0.059 ± 0.003 [a]	0.057 ± 0.012 [a]	0.053 ± 0.007 [a]
uterus	0.22 ± 0.01 [a]	0.21 ± 0.07 [a]	0.14 ± 0.04 [b]	0.14 ± 0.03 [b]
liver	4.21 ± 0.31 [a]	4.18 ± 0.36 [a]	4.01 ± 0.26 [a]	4.33 ± 0.29 [a]

[1] Values are expressed as means ± SD, $n = 12$. Values in a row without a common superscript letter are significantly different, $p < 0.05$. ZEN, zearalenone; Control, 0 ZEN diet; 5 ZEN, 5 mg/kg ZEN diet; 10 ZEN, 10 mg/kg ZEN diet; 20 ZEN, 20 mg/kg ZEN diet.

Table S2. ZEN concentrations in feed and the number of treated rat per group [1].

Treatments	Concentrations of ZEN in Diets, mg/kg		Number of Rats
	Supplementation	Analysed Concentration	
0 ZEN (control)	0	0.01 ± 0.00	16
5 ZEN	5	4.82 ± 0.36	16
10 ZEN	10	9.21 ± 1.11	16
20 ZEN	20	19.54 ± 2.65	16

[1] ZEN, zearalenone. Concentrations of ZEN in diet were determined with high-performance liquid chromatography method according to *AOAC* [1].

Table S3. Gene sequences used in the present study.

Gene Name	Primer Sequence	Amplification Length (bp)	GenBank Accession No.
Esr1	Forward, 5′ AAGGAGACTCGCTACTGTGC 3′ Reverse, 5′ TCGGCGGTCTTTTCGTAT 3′	243	NM_012689.1
GnRHr	Forward, 5′ GCTGGGCAGAAGAAGATGTAA 3′ Reverse, 5′ ACGCTGCTGGGTATAGAAATG 3′	134	NM_012767
3β-HSD	Forward, 5′ CAAATCCATACCCATACAGC 3′ Reverse, 5′ GCCACATTGCCTACATACAC 3′	235	L17138.1
ABCb1	Forward, 5′ AAAGCTATCACGGCCAACA 3′ Reverse, 5′ GATGACCAAGGAAGTCCCATAC 3′	96	NM_133401
ABCc1	Forward, 5′ GACCTTATTCAGTCCACCATCC 3′ Reverse, 5′ CCAGGACAATCACCCTTGTATAG 3′	106	NM_022281
ABCc5	Forward, 5′ GCCACCATCCATGCCTATAA 3′ Reverse, 5′ CATTGCACAGGTGAACAAGAAG 3′	102	NM_053924.1
GAPDH	Forward, 5′ GCAAGTTCAACGGCACAG 3′ Reverse, 5′ CGCCAGTAGACTCCACGAC 3′	141	NM_017008

References

1. Bennett, G.A.; Shotwell, O.L.; Kwolek, W.F. Liquid chromatographic determination of alpha-zearalenol and zearalenone in corn: collaborative study. *J. Assoc. Off. Anal. Chem.* **1985**, *68*, 958–961.