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Supplementary Material

Modulation of adiponectin system expression in the porcine uterus during early pregnancy by prostaglandin E₂ and F_{2α}

Kamil Dobrzyn^A, Nina Smolinska^{A,B}, Karol Szeszko^A, Marta Kiezun^A, Anna Maleszka^A and Tadeusz Kaminski^A

^ADepartment of Animal Physiology, Faculty of Biology and Biotechnology, University of Warmia and Mazury in Olsztyn, Oczapowskiego 1A, 10-719 Olsztyn-Kortowo, Poland.

^BCorresponding author. Email: nina.smolinska@uwm.edu.pl

ADIPONECTIN mRNA RELATIVE EXPRESSION

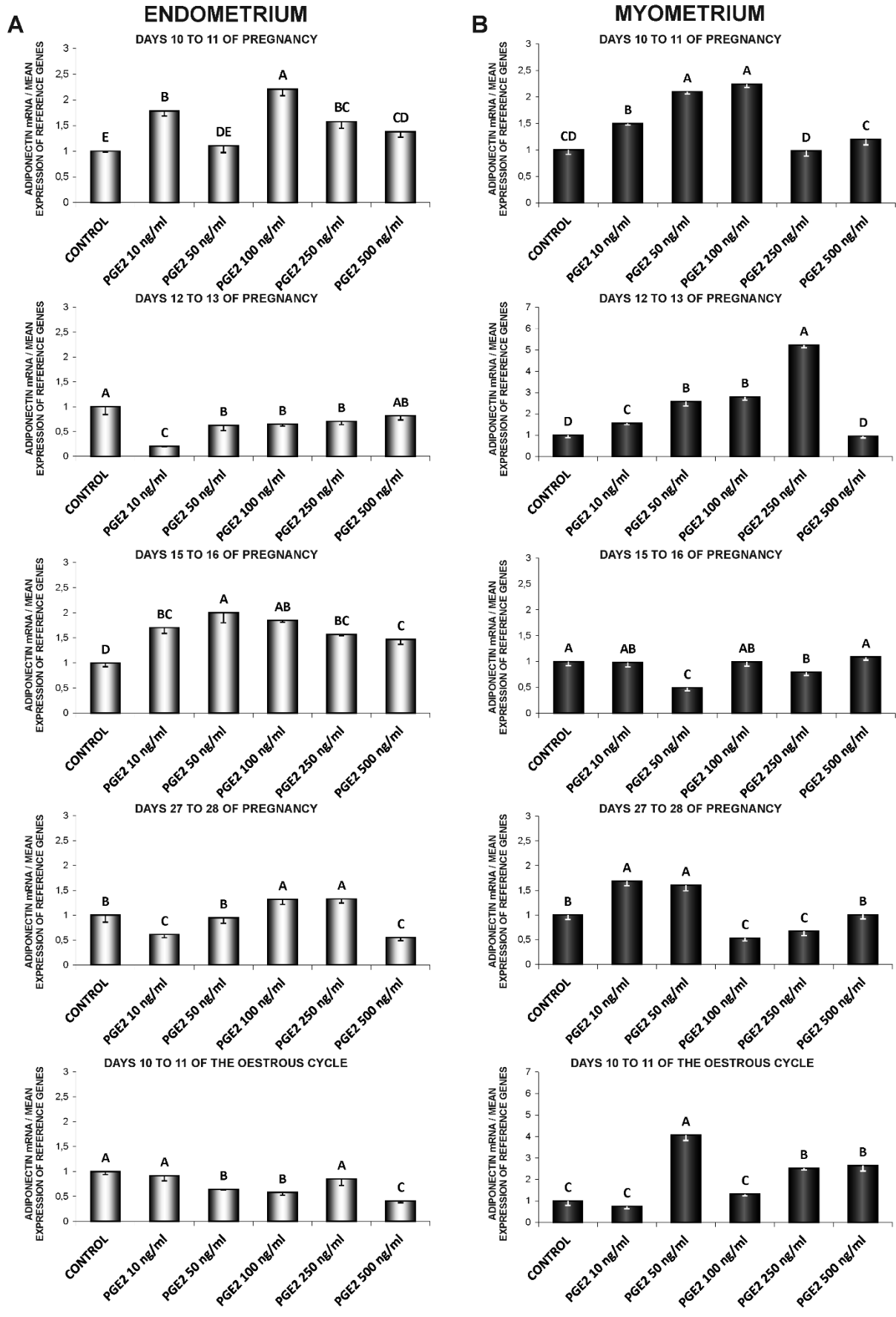


Fig. S1. The influence of PGE₂ (10, 50, 100, 250, 500 ng/ml) on adiponectin mRNA expression determined by quantitative real-time PCR in the porcine endometrium (A) and myometrium (B) on days 10 to 11, 12 to 13, 15 to 16 and 27 to 28 of the pregnancy, and on days 10 to 11 of the oestrous cycle. Results are reported as the means \pm S.E.M. (n = 5). Bars with different superscripts are significantly different (p < 0.05).

ADIPOR1 mRNA RELATIVE EXPRESSION

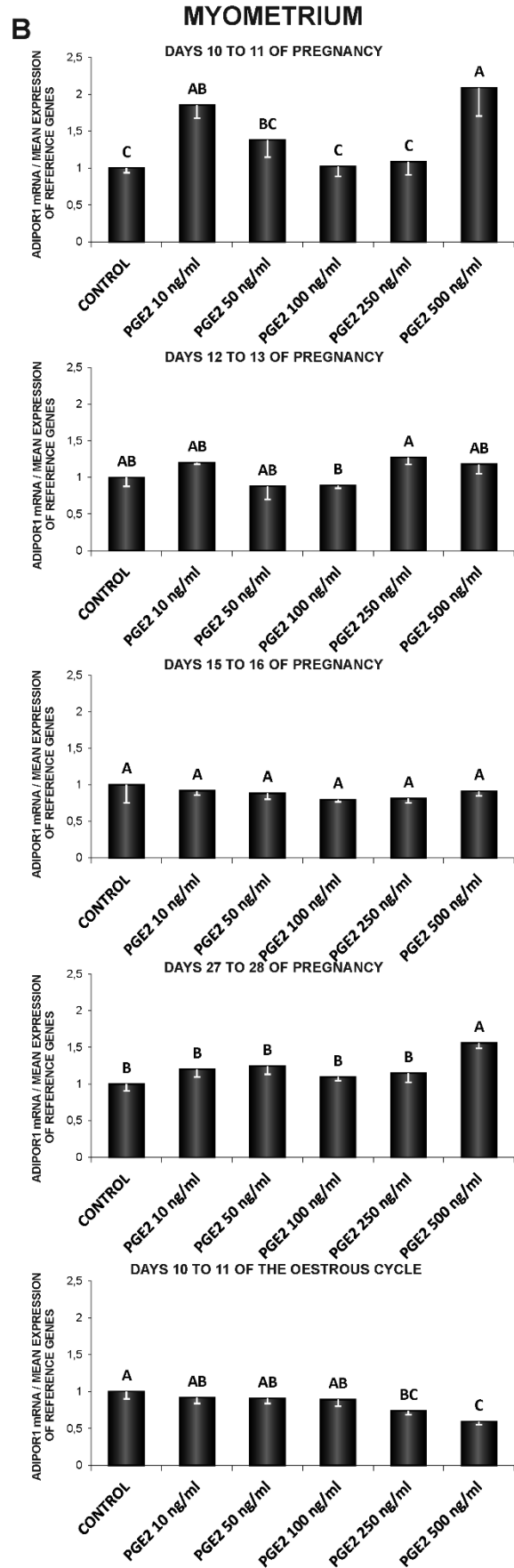
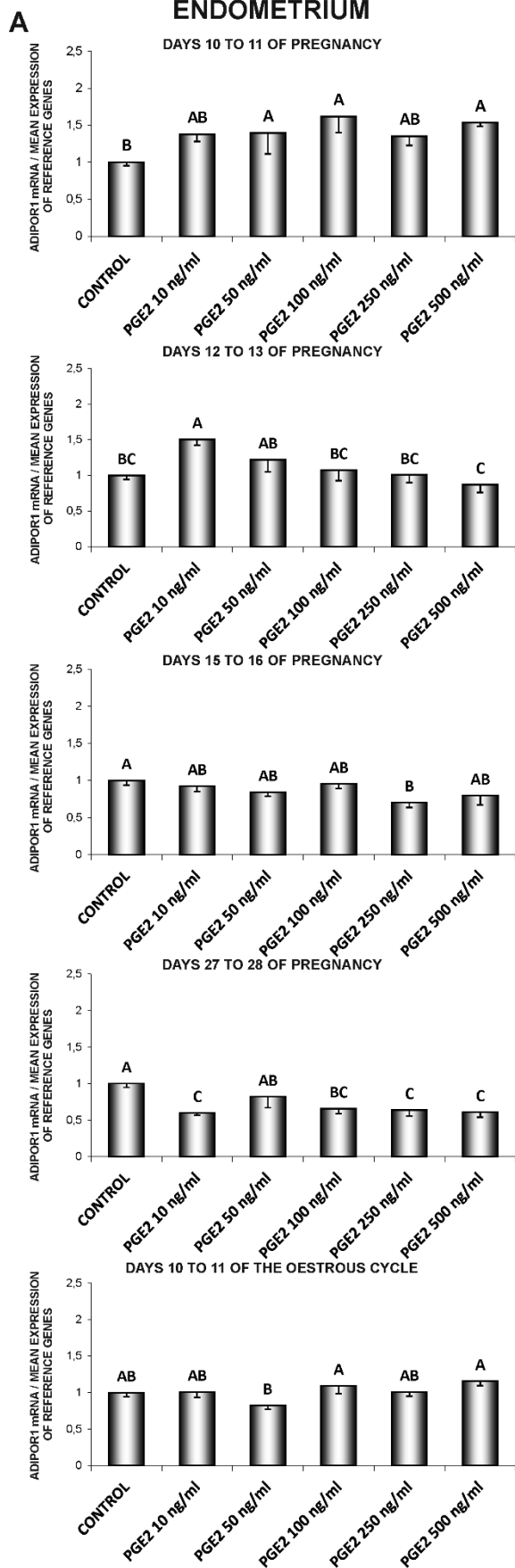


Fig. S2. The influence of PGE₂ (10, 50, 100, 250, 500 ng/ml) on *AdipoR1* mRNA expression determined by quantitative real time PCR in the porcine endometrium (A) and myometrium (B) on days 10 to 11, 12 to 13 , 15 to 16 and 27 to 28 of the pregnancy, and on days 10 to 11 of the oestrous cycle. Results are reported as the means \pm S.E.M. (n = 5). Bars with different superscripts are significantly different (p< 0.05).

ADIPOR2 mRNA RELATIVE EXPRESSION

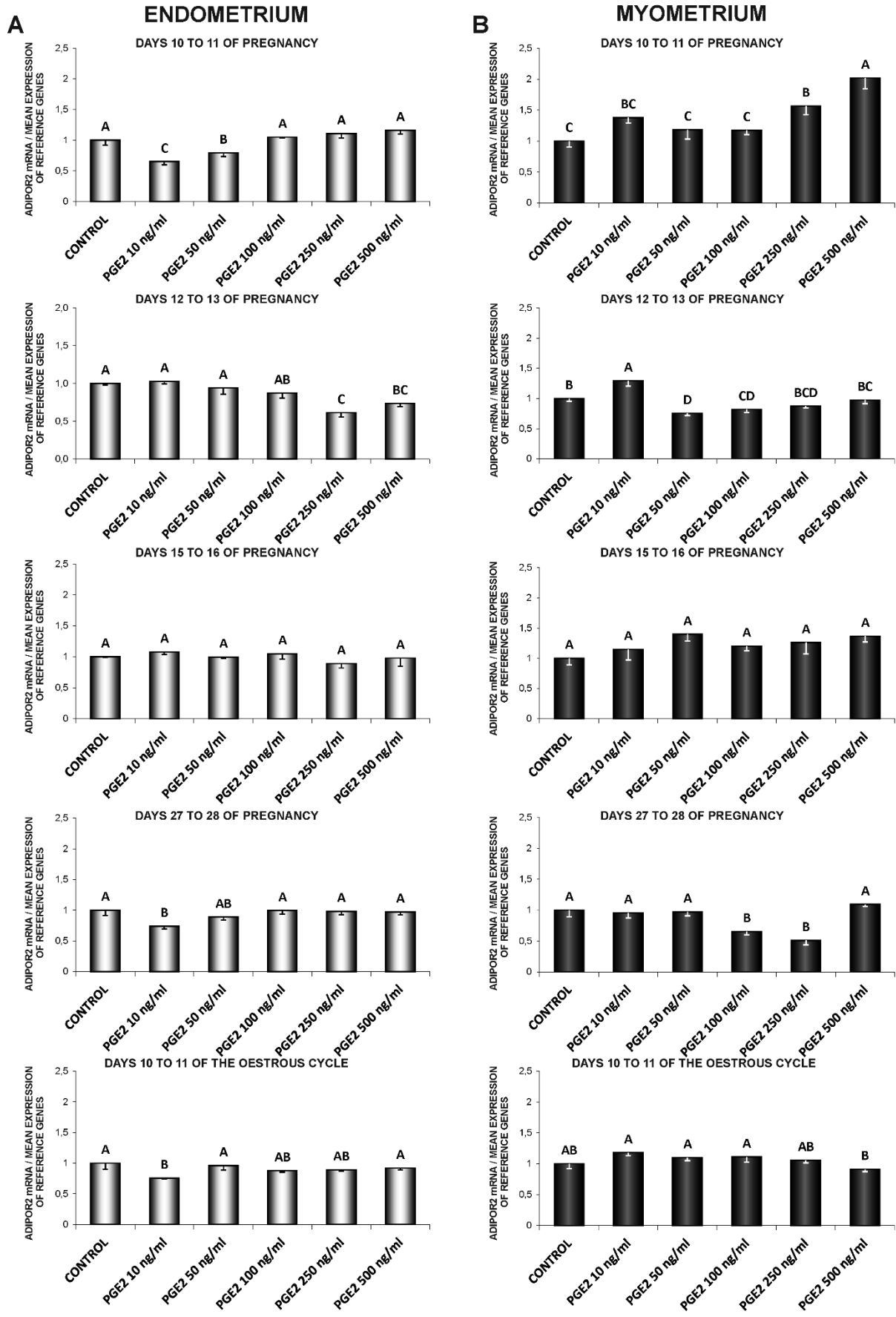


Fig. S3. The influence of PGE₂ (10, 50, 100, 250, 500 ng/ml) on *AdipoR2* mRNA expression determined by quantitative real time PCR in the porcine endometrium (A) and myometrium (B) on days 10 to 11, 12 to 13 , 15 to 16 and 27 to 28 of the pregnancy, and on days 10 to 11 of the oestrous cycle. Results are reported as the means \pm S.E.M. (n = 5). Bars with different superscripts are significantly different (p< 0.05).

ADIPONECTIN mRNA RELATIVE EXPRESSION

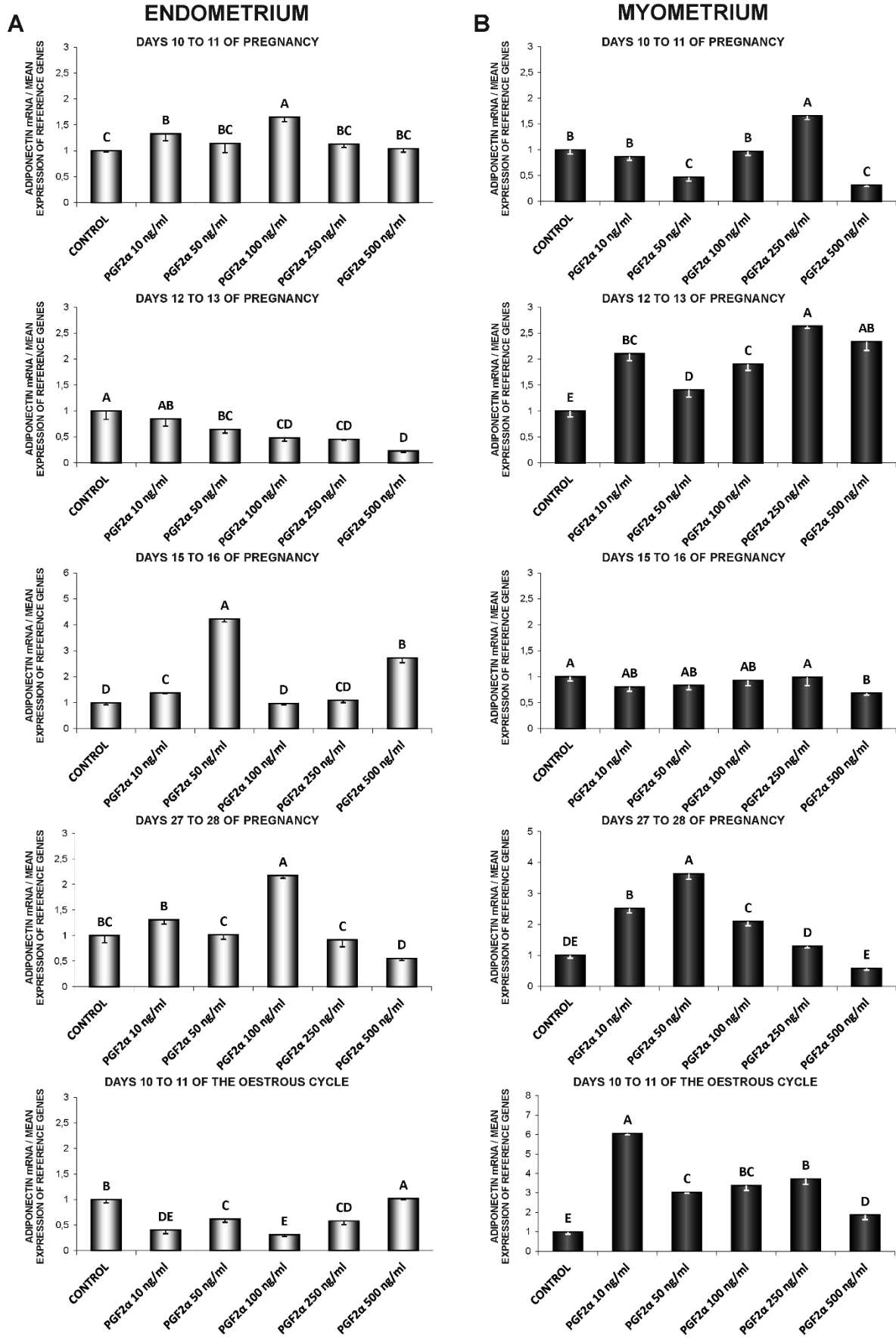
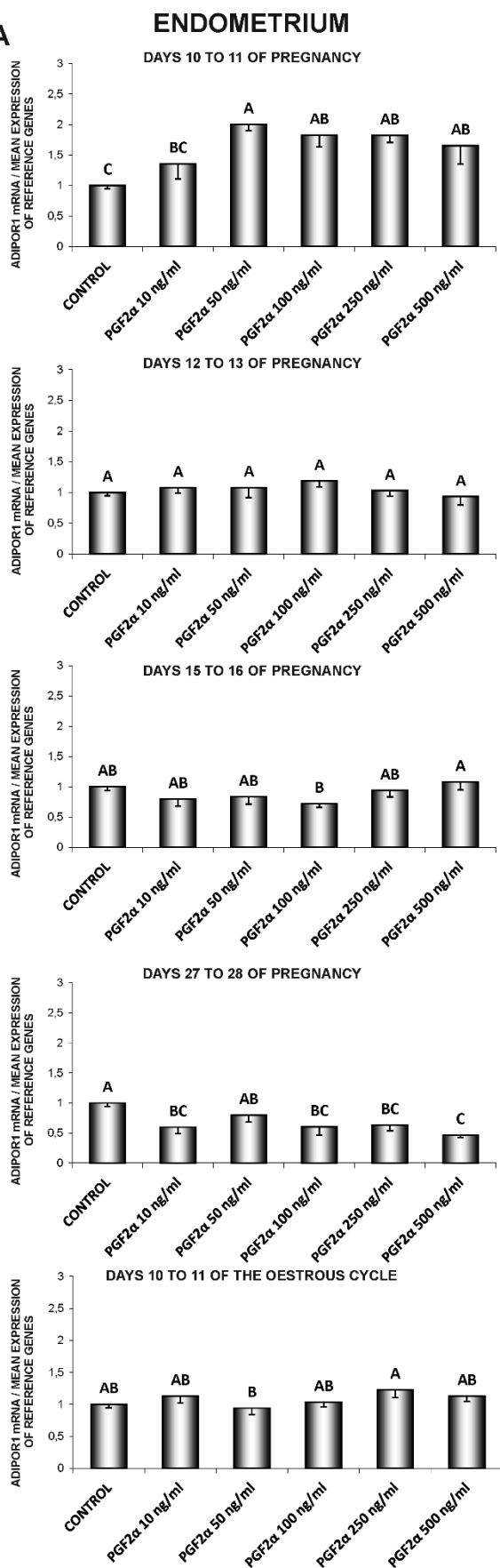


Fig. S4. The influence of PGF_{2α} (10, 50, 100, 250, 500 ng/ml) on adiponectin mRNA expression determined by quantitative real-time PCR in the porcine endometrium (A) and myometrium (B) on days 10 to 11, 12 to 13, 15 to 16 and 27 to 28 of the pregnancy, and on days 10 to 11 of the oestrous cycle. Results are reported as the means ± S.E.M. (n = 5). Bars with different superscripts are significantly different (p < 0.05).

ADIPOR1 mRNA RELATIVE EXPRESSION

A



B

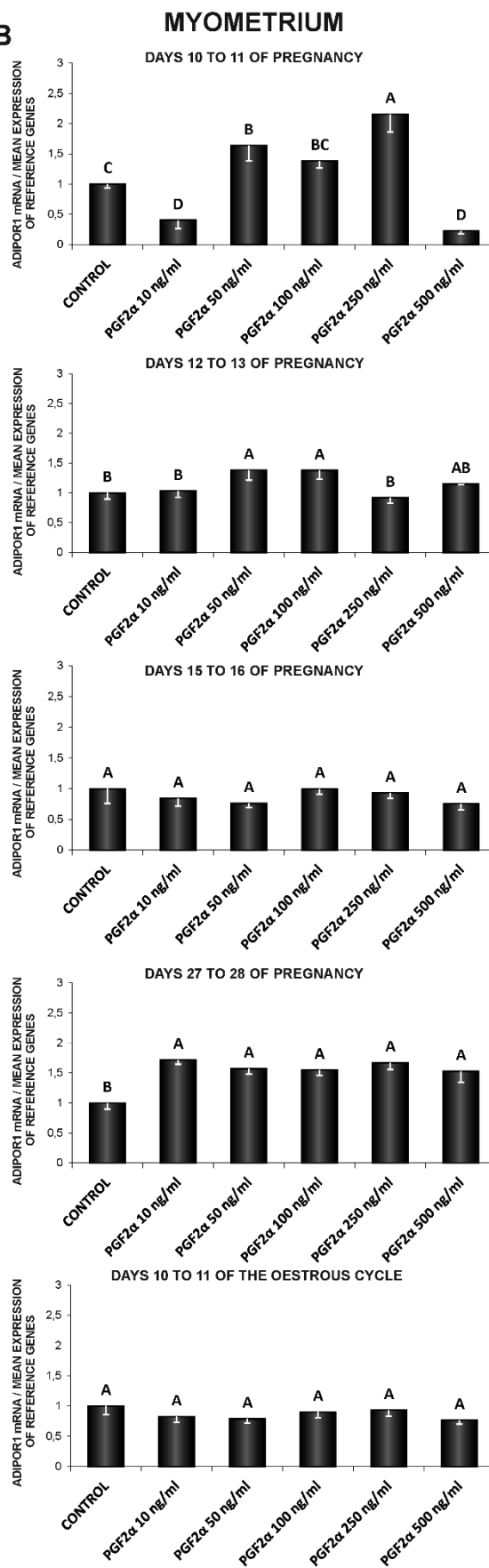


Fig. S5. The influence of PGF_{2α} (10, 50, 100, 250, 500 ng/ml) on *AdipoR1* mRNA expression determined by quantitative real time PCR in the porcine endometrium (A) and myometrium (B) on days 10 to 11, 12 to 13 , 15 to 16 and 27 to 28 of the pregnancy, and on days 10 to 11 of the oestrous cycle. Results are reported as the means ± S.E.M. (n = 5). Bars with different superscripts are significantly different (p< 0.05).

ADIPOR2 mRNA RELATIVE EXPRESSION

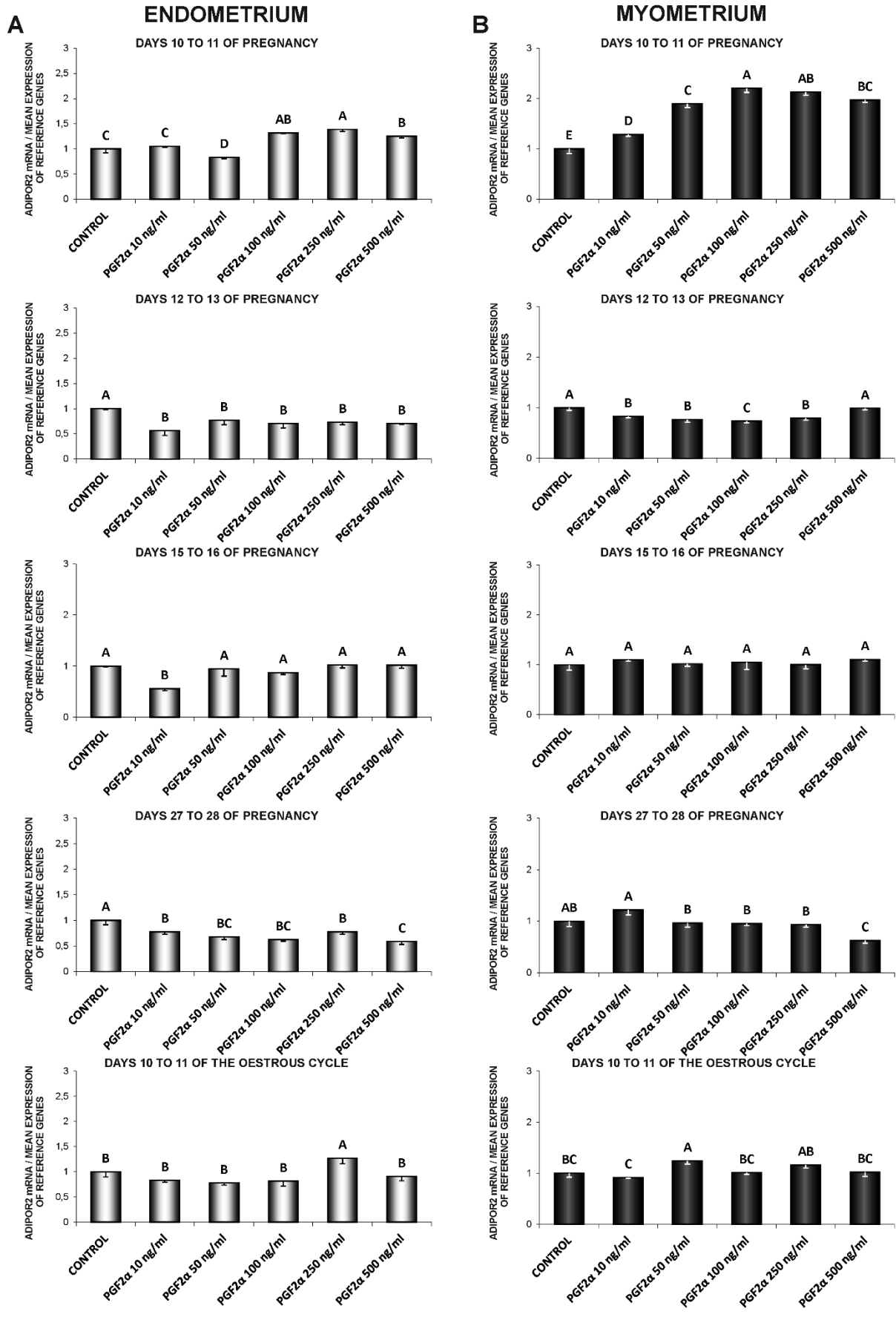


Fig. S6. The influence of $\text{PGF}_{2\alpha}$ (10, 50, 100, 250, 500 ng/ml) on *AdipoR2* mRNA expression determined by quantitative real time PCR in the porcine endometrium (A) and myometrium (B) on days 10 to 11, 12 to 13 , 15 to 16 and 27 to 28 of the pregnancy, and on days 10 to 11 of the oestrous cycle. Results are reported as the means \pm S.E.M. (n = 5). Bars with different superscripts are significantly different (p< 0.05).