

Title: Chemokines as the modulators of endometrial epithelial cells remodelling

Złotkowska A, Andronowska A*

Department of Hormonal Action Mechanisms, Institute of Animal Reproduction and Food Research of the Polish Academy of Sciences, Olsztyn, Poland

***Corresponding author at:** Institute of Animal Reproduction and Food Research of Polish Academy of Sciences; Tuwima 10 Str., 10-748 Olsztyn, Tel. +48 89 523 46 86; fax +48 89 524. *E-mail: a.andronowska@pan.olsztyn.pl (Andronowska A)

Supplementary Data 1: Recombinant chemokines used for in vitro studies

Chemokine	Origin	Catalog number
CCL2	Human	300-04
CCL4	Human	300-09
CCL5	Human	300-06
CCL8	Murine	250-14
CXCL2	Murine	250-15
CXCL8	Human	200-08
CXCL9	Murine	250-18
CXCL10	Human	300-12
CXCL12	Murine	250-20A

Supplementary Data 2: Antibodies used for immunocytochemistry

Target protein	Dilution	Company	Catalog number
CCR1	1:50	Santa Cruz Biotechnology	sc-7934
CCR2	1:200	Abcam	ab21667
CCR3	1:50	Santa Cruz Biotechnology	sc-7897
CCR5	1:50	Santa Cruz Biotechnology	sc-13950
CXCR2	1:100	Abcam	ab14935
CXCR3	1:200	Abcam	ab71864
CXCR4	1:100	Abcam	ab2074

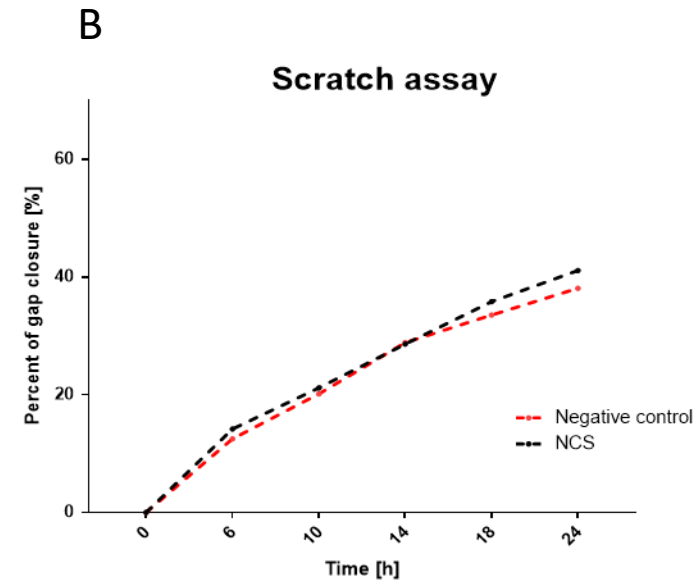
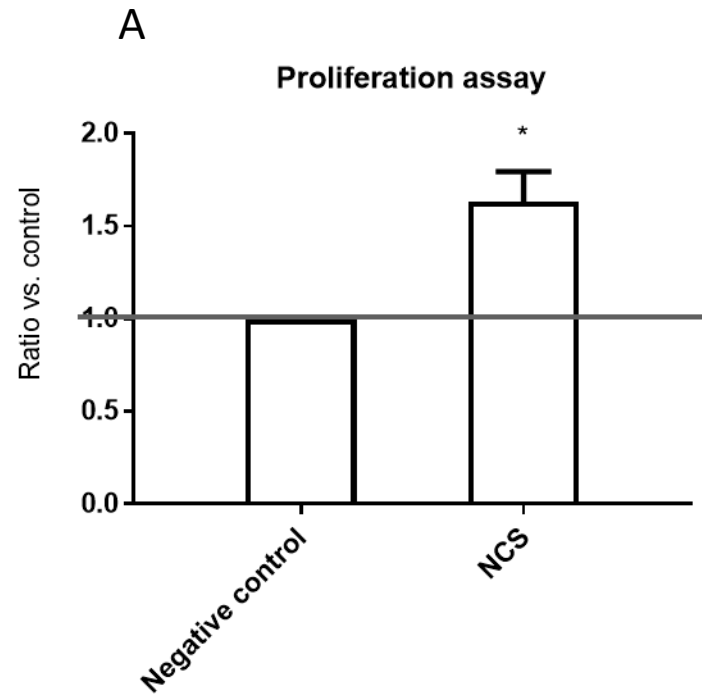
Supplementary Data 3: Probes used for real-time PCR

Target gene	GeneBank accession number	Assay ID
CCL2	NM_214214.1	Ss03394377_ml
CCL4	NM_213779.1	Ss03381395_u1
CCL5	NM_001129946.1	Ss03341385_u1
CCL8	NM_001164515.1	Ss04245586_ml
CXCL2	NM_001001861.2	Ss03378360_u1
CXCL8	NM_213867.1	Ss03392437_ml
CXCL9	NM_001114289.2	Ss03390033_ml
CXCL10	NM_001008691.1	Ss03391846_ml
CXCL12	NM_001009580.1	Ss03391855_ml
CCR1	NM_001001621.1	Ss03378192_u1
CCR2	NM_001001619.1	Ss03378154_u1
CCR3	NM_001001620.1	Ss03378176_u1
CCR5	NM_001001618.1	Ss03378121_u1
CXCR2	AK237564.1	Ss03376125_s1
CXCR3	AJ851240.1	Ss03375858_u1
CXCR4	NM_213773.1	Ss03392297_s1
B-actin	AK237086.1	Ss03376081_u1
GAPDH	AF141959.1	Ss03375435_u1

Supplementary Data 4: Primers used for real-time PCR

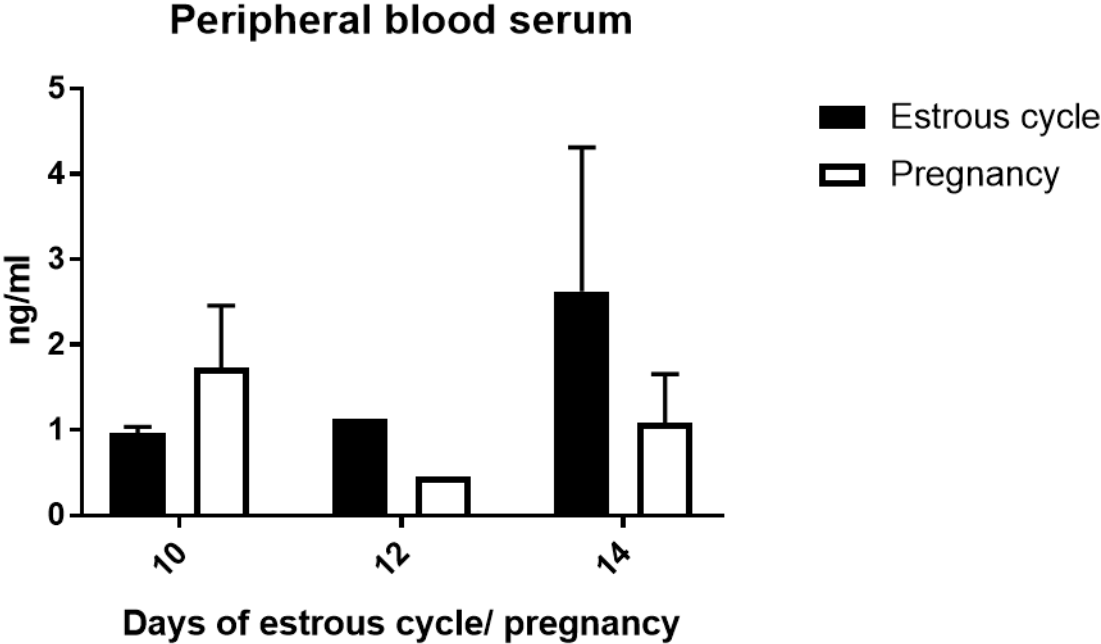
Target gene	Gene Bank accession number	Forward	Reverse	Melting temperature (°C)
MUC1	XM_021089730.1	CAGTGAAGTTAGTGCCTGGG	CCACAGTTCTTTCGTCGGC	60
SPP1	XM_005667005.3	AAGAAGTTCCGCAGATCCGA	TGTCCAAGTCAGAAGCCACG	60
TJP1	XM_021098891.1	CCCGAGAAGTTACGTGCTGAA	CGCTACGGCCCAGATAAACA	60
B-actin	U07786.1	ACATCAAGGAGAAGCTCTGCTACG	GAGGGGCGATGATCTTGATCTTCA	60
GAPDH	KJ786424.1	TCGGAGTGAACGGATTTG	CCTGGAAGATGGTGATGG	60

Supplementary Data 5: Control of epithelial cells proliferation with newborn calf serum (NCS) in the proliferation assay (A) and scratch assay (B).



Supplementary Data 6: Concentration of CXCL12 in porcine blood serum.

All data are expressed as the mean±SD.



Mean±SD: 1,467±1,19 ng/ml