

1 **Table**

2 Table 1. PCR array analyses to identify the growth factor-related molecules induced by  
3 gonadotropin during the periovulatory stage.

Molecules	PMSG-primed	QT:PMSG prime	QT:6 h after hCG	Ratio
BDNF	27.19	0.0004	0.0021	4.87
Epiregulin	26.01	0.001	0.1086	108.65
IL1beta	30.08	5.97E-05	0.0005	8.79
IL6	32.46	1.14E-05	0.0014	125.14
IL7	27.20	0.0004	0.0023	5.46
OPN	22.37	0.0124	0.0529	4.26
Beta-actin	16.04	1	1	1

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5 hCG: human chorionic gonadotropin; PMSG: pregnant mare serum gonadotropin;

6 BDNF: brain derived nerve factor; OPN: osteopontin; QT: Quantified mRNA

7 expression levels for each gene, normalized to the expression of the beta-actin gene

8 using the following equation: relative mRNA expression =  $2^{-(C_t \text{ of targeting molecule} - C_t \text{ of beta}$

9  $\text{actin})$  (where  $C_t$  = threshold cycle). Change of the gene expression levels was assessed by

10 dividing the relative gene expression value from hCG-treated animals by that from

11 PMSG-primed animals.

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