

Supporting Information

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Table S1. Genes differentially expressed in endometria of day 18 SCNT and day 18 IVF pregnancies.

BOE ID(s)	Gene Symbol	Gene Name	Bta Entrez Gene ID	Hsa Entrez Gene ID	Fold-change SCNT/IVF	SAM Score	Q-value (%)
BOE-07-E12	<i>ACSL3</i>	acyl-CoA synthetase long-chain family member 3	100138312	2181	-1.3	-2.80	2.98
BOE-13-B05	<i>ARHGDI3</i>	Rho GDP dissociation inhibitor (GDI) beta	327676	397	-1.3	-2.22	5.24
BOE-02-A03	<i>BOE-02-A03</i>	unknown			-2.2	-2.52	2.98
BOE-09-H09	<i>BOE-09-H09</i>	unknown			-1.3	-2.35	3.52
BOE-01-B08 // BOE-03-B04	<i>BST2</i>	bone marrow stromal cell antigen 2	507402	684	-1.7	-3.73	1.49
BOE-06-F06	<i>CA2</i>	carbonic anhydrase II	280740	760	-2.3	-3.43	0.00
BOE-02-D12	<i>CAPN6</i>	calpain 6	539360	827	-1.3	-2.22	5.24
BOE-11-B01	<i>DMBT1</i>	deleted in malignant brain tumors 1	338056	1755	-2.0	-4.45	0.00
BOE-01-D06	<i>DTX3L</i>	deltex 3-like (Drosophila)	515051	151636	-1.3	-2.46	3.52
BOE-02-D01	<i>FABP3</i>	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	281758	2170	-2.9	-3.69	0.00
BOE-04-F06	<i>FN1</i>	fibronectin 1	280794	2335	-1.5	-2.56	2.98
BOE-09-F02	<i>FOLR1</i>	folate receptor 1 (adult)	516067	2348	-1.5	-2.32	5.24
BOE-13-G10	<i>FXYD4</i>	FXYD domain containing ion transport regulator 4	506918	53828	-1.6	-2.55	2.98
BOE-14-B09	<i>GJA1</i>	gap junction protein, alpha 1, 43kDa (connexin 43)	281193	2697	-1.8	-3.77	0.00
BOE-01-G04 // BOE-13-A03	<i>IFIT1</i>	interferon-induced protein with tetratricopeptide repeats 1	508267	3434	-1.4	-2.42	4.11
BOE-08-G07	<i>KCMF1</i>	potassium channel modulatory factor 1	613522	56888	-1.4	-2.52	2.98
BOE-04-A03	<i>MGC151529</i> (HLA-A)	similar to RT1-149 protein; major histocompatibility complex, class I, A (hsa)	512672	3105	-1.3	-2.66	2.98
BOE-01-H06 // BOE-02-B09 // BOE-02-H09 // BOE-02-H11 // BOE-03-B10 // BOE-03-C10 // BOE-03-D10 // BOE-12-E04	<i>MX2</i>	myxovirus (influenza virus) resistance 2 (mouse)	280873	4600	-1.5	-2.62	3.40
BOE-04-D12	<i>NR2F2</i>	nuclear receptor subfamily 2, group F, member 1	281945	7026	-1.5	-2.30	5.24
BOE-03-C06 // BOE-05-G09	<i>PENK</i>	proenkephalin	281387	5179	-1.7	-2.26	5.24
BOE-04-A05	<i>PFKP</i>	phosphofructokinase, platelet	507119	5214	-1.6	-2.53	2.98
BOE-01-E03 // BOE-03-E10 // BOE-12-H05	<i>PLET</i>	placenta expressed transcript protein	505518	349633	-2.6	-2.81	3.16
BOE-07-F01	<i>PRDX2</i>	peroxiredoxin 2	286793	7001	-1.5	-4.38	0.00
BOE-08-A04	<i>RN7SK</i>	RNA, 7SK, nuclear		125050	-1.4	-2.61	2.98
BOE-13-F10	<i>RORB</i>	RAR-related orphan receptor B	528382	6096	-1.4	-2.76	2.98
BOE-07-C07	<i>S100A12</i>	S100 calcium binding protein A12 (calgranulin C)	282467	6283	-1.9	-2.59	2.98
BOE-03-C11	<i>SDC2</i>	syndecan 2 (heparan sulfate proteoglycan 1, cell surface-associated, fibroglycan)	615785	6383	-1.3	-2.70	2.98

Table S1. Continued

BOE ID(s)	Gene Symbol	Gene Name	Bta Entrez Gene ID	Hsa Entrez Gene ID	Fold-change SCNT/IVF	SAM Score	Q-value (%)
BOE-06-C08	<i>THBS1</i>	thrombospondin 1	281530	7057	-1.5	-2.31	5.24
BOE-11-C06	<i>TRA1</i> (HSP90B1)	tumor rejection antigen (gp96) 1 (heat shock protein 90kDa beta (Grp94), member 1)	282646	7184	-1.2	-2.26	5.24
BOE-12-E05	<i>TSPAN7</i>	tetraspanin 7	615596	7102	-1.4	-2.75	2.98
BOE-07-G06	<i>USP54</i>	ubiquitin specific protease 54	784739	159195	-1.3	-2.53	2.98
BOE-02-B01 // BOE-03-D12 // BOE-04-D02 // BOE-12-E01	<i>UTMP</i>	uterine milk protein precursor	286871		-2.0	-2.60	3.12
BOE-02-H05	<i>ZBTB20</i>	zinc finger and BTB domain containing 20	508864	26137	-1.2	-2.58	2.98
BOE-13-F04	<i>AGT</i>	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	527114	183	1.4	2.89	2.70
BOE-10-E07	<i>ANKRD26</i>	ankyrin repeat domain 26	533620	22852	1.3	2.43	5.24
BOE-13-E08	<i>BAIAP2L2</i>	BAI1-associated protein 2-like 2	617924	80115	1.8	3.66	0.00
BOE-13-H11	<i>C17orf28</i>	chromosome 17 open reading frame 28	540436	283987	1.3	2.99	0.00
BOE-04-C07	<i>S100G</i>	S100 calcium binding protein G	281658	795	1.6	2.44	5.24
BOE-13-D11	<i>CYP27A1</i>	cytochrome P450, family 27, subfamily A, polypeptide 1	511960	1593	1.5	2.45	5.24
BOE-13-E11	<i>CYP39A1</i>	cytochrome P450, family 39, subfamily A, polypeptide 1	511195	51302	1.5	2.72	2.70
BOE-13-H12	<i>DNAJB4</i>	Dnaj (Hsp40) homolog, subfamily B, member 4	541274	11080	1.4	3.03	0.00
BOE-06-C01	<i>EED</i>	embryonic ectoderm development	404183	8726	1.4	3.34	0.00
BOE-13-B10	<i>EPHX1</i>	epoxide hydrolase 1, microsomal (xenobiotic)	535293	2052	1.4	2.65	3.52
BOE-01-G09	<i>IDH1</i>	isocitrate dehydrogenase 1 (NADP+), soluble	281235	3417	1.6	3.61	0.00
BOE-05-A08	<i>LY6E</i>	lymphocyte antigen 6 complex, locus E	510977	4061	1.4	2.79	2.70
BOE-05-E04	<i>LY6G6E</i>	lymphocyte antigen 6 complex, locus G6E	512743	79136	2.3	3.96	0.00
BOE-11-F05	<i>MRPL32</i>	mitochondrial ribosomal protein L32	532842	64983	1.4	2.80	2.70
BOE-08-G08	<i>NNAT</i>	neuronatin	353114	4826	1.4	2.94	2.70
BOE-07-D05	<i>NP</i>	nucleoside phosphorylase	493724	4860	1.3	2.65	3.52
BOE-05-G11	<i>PCSK5</i>	proprotein convertase subtilisin/kexin type 5	528098	5125	1.4	3.34	0.00
BOE-09-G04	<i>PDLIM1</i>	PDZ and LIM domain 1 (elfin)	614675	9124	1.4	2.49	5.24
BOE-05-E07 // BOE-07-H02 // BOE-11-E10	<i>PEBP4</i>	phosphatidylethanolamine- binding protein 4	513254	157310	1.3	2.52	4.66
BOE-14-C06	<i>RABEP1</i>	rabaptin, RAB GTPase binding effector protein 1	504785	9135	1.4	2.62	3.52
BOE-01-G01	<i>REEP6</i>	receptor accessory protein 6	617543	92840	1.4	2.88	2.70
BOE-13-E07	<i>REPS1</i>	RALBP1 associated Eps domain containing 1	536155	85021	1.2	2.68	2.70
BOE-01-H03 // BOE-05-B05 // BOE-06-G11	<i>SLC16A11</i>	solute carrier family 16 (monocarboxylic acid transporters), member 11	618274	162515	1.4	3.27	0.90
BOE-05-C06 // BOE-13-C08	<i>SOX17</i>	SRY (sex determining region Y)-box 17	534010	64321	1.5	3.41	0.00
BOE-06-A03	<i>SOX4</i>	SRY (sex determining region Y)-box 4	768313	6659	1.3	2.42	5.24

Table S2. Genes differentially expressed in endometria of single ($n = 4$) and twin ($n = 5$) SCNT pregnancies based on the array results.

BOE ID(s)	Gene symbol	Gene name	Bta Entrez Gene ID	Hsa Entrez Gene ID	Fold change Twin/Single	SAM Score	Q-value (%)
BOE-03-E10 // BOE-12-H05	<i>PLET</i>	placenta expressed transcript protein	505518	349633	5.2	3.47	0.00
BOE-02-D01	<i>FABP3</i>	fatty acid binding protein (heart) like	281758	2170	3.0	3.05	0.00
BOE-07-C07	<i>S100A12</i>	S100 calcium binding protein A12 (calgranulin C)	282467	6283	2.3	3.01	0.00

Table S3. Primers for quantitative real-time RT-PCR analysis.

Gene Symbol	Forward Primer	Reverse Primer	Annealing Temperature [°C]	Fluorescence Acquisition [°C]	PCR Product Length [bp]
<i>PLET</i>	TGCTGCATCCTTCTGTGTTT	TCAGGTCTCCATTGGATCTG	60	80	126
<i>UTMP</i>	ATATCATCTTCTCCCCATGG	GTGCACATCCAACAGTTTGG	60	80	126
<i>GJA1</i>	GTTGCCCAAAGTATGGTG	TAGGTTCTCAGCAAGCCCC	60	81	122
<i>PENK</i>	TCTGGAATGTGAGGGGAAAC	CTTCTTAGCAAGCAGGTGGC	60	78	142
<i>MX2</i>	CCCTCCTACAAGTGCACAGG	CACAAAAGGGACGTTGGTG	60	82	121
<i>NR2F2</i>	TGCTAAAAGAAGAGAGGGGAAG	TGTTCTGACCGACACAGGAG	60	72	123
<i>LY6E</i>	CCTAGTGCCAGAGGAAC	GACCCACAGCTCCTTCAAAC	60	81	147
<i>CYP39A1</i>	GGAGATAGAGGCCAGCTG	GTCGTGTCTACTCCAGCCAAG	60	82	147
<i>CYP27A1</i>	TAAGGGGCTGGATTCCTTG	CAGTAACAAAGGTCATTGCGG	60	75	138