

Table S2, Supplemental Digital Content. KEGG pathway analysis of DEGs.

	Term	%	Pvalue	Genes
Up-regulated DEGs	hsa04110:Cell cycle	16,7	1,6E-10	CCNA2, CDC20, CCNB2, PCNA, PTTG1, PLK1, CDK1, MCM4, BUB1, MAD2L1
	hsa04114:Oocyte meiosis	13,3	6,5E-08	CDC20, CCNB2, PTTG1, PLK1, CDK1, BUB1, MAD2L1, AURKA
	hsa04914:Progesterone-mediated oocyte maturation	10,0	1,0E-05	CCNA2, CCNB2, PLK1, CDK1, BUB1, MAD2L1
	hsa04115:p53 signaling pathway	5,0	2,2E-02	CCNB2, RRM2, CDK1
	hsa05166:HTLV-I infection	6,7	5,7E-02	CDC20, PCNA, PTTG1, MAD2L1
	hsa05161:Hepatitis B	5,0	9,0E-02	CCNA2, PCNA, STAT1
Down-regulated DEGs	hsa00360:Phenylalanine metabolism	3,5	6,3E-03	ALDH1A3, MAOA, TAT
	hsa00350:Tyrosine metabolism	3,5	2,5E-02	ALDH1A3, MAOA, TAT
	hsa04916:Melanogenesis	4,7	3,4E-02	EDN1, EDNRB, KIT, PLCB1
	hsa04978:Mineral absorption	3,5	3,9E-02	MT1M, MT1X, MT1E
	hsa04668:TNF signaling pathway	4,7	4,0E-02	EDN1, PIK3R1, PTGS2, CX3CL1
	hsa05144:Malaria	3,5	4,7E-02	HBB, CD36, ACKR1
	hsa05200:Pathways in cancer	8,2	5,9E-02	EDNRB, ZBTB16, KIT, PIK3R1, PLCB1, PTGS2, TGFBR2
	hsa04923:Regulation of lipolysis in adipocytes	3,5	6,0E-02	FABP4, PIK3R1, PTGS2
	hsa05221:Acute myeloid leukemia	3,5	6,0E-02	ZBTB16, KIT, PIK3R1
	hsa00982:Drug metabolism - cytochrome P450	3,5	8,4E-02	ALDH1A3, MAOA, FMO2
	hsa04921:Oxytocin signaling pathway	4,7	9,1E-02	OXTR, RGS2, PLCB1, PTGS2

DEGs = differentially expressed genes, KEGG = Kyoto Encyclopedia of Genes and Genomes.