

Table S2. Functional description of DEGs based on KEGG pathway analysis

Description of KEGG pathways	Genes	P-Value	Classification of KEGG pathways
p53 signaling pathway	Cdkn1a , Igfbp1, Shisa4, Sfn, Rprm, Perp, Pidd1, Adgrb1, Ccnb1 , Serpinb5, Cdk1 , Cycs	0.05425801	
Cell cycle	Plk1, Ccna1 , Cdkn1a , Smc1b, Cdc20 , Dbf4, Gm5936, Sfn, Ywhag , Ccnb1 , Cdc14a , Cdk1 , Gm5640, Cdc20b	0.1688805	Cellular Processes: Cell growth and death

Note: Red indicates significantly up-regulated DEGs; blue indicates significantly down-regulated DEGs; Bold indicates DEGs validated subsequently.

Table S3. Primer sequences for RT-qPCR

Gene Symbol	Forward primer (5'-3')	Reverse primer (5'-3')
Mbd4	TTGGGATCGCTGCAAGGAAG	CAGTGGGCTCTGGAGAAGG
Sass6	CTACTGGGCTTCTCACCTC	CTCTGGGAAAGCTTCTGTGTA
Cdkn1	CAGAATAAAAGGTGCCACAGGC	CGTCTCCGTGACGAAGTCAA
Cdk1	ACACACGAGGTAGTGACGC	TCTGAGTCGCCGTGGAAAAG
Ccnb1	CTCCAAGCCCAGTGGAAACA	TGACTGCTCTCCTCCAGTTG
Ccna1	TTCCAAGCAGCAGCAGG	CTAGCACGGTTCTCTGTGGG
Cdc20	CCCCAGAAGGCTACCAGAAC	GATTCGGGGGCATCAAGGA
Cdc20b	GCACTTCCACACACAAGCTG	GCACTTCCACACACAAGCTG
Ywhag	CGATCCTTTCAGCCCTGTG	GTTTCAGCTCGGTCACGTTCT
Cdc14a	CAGGCTCGGTGATTGGGAC	AATCGATCTTTCATGAACTCGCAA
β -actin	ACTGTGCGATCGCGTCCA	ATCCATGGCGAACTGGTGG