Supplementary Table 1. Sequences of primers used in this study.

| Primers for shRNA plasmids construction |  |
|----------------------------------------|--|
| sh-CCNB1IP1-F                         | 5′-CCGGAGGCCTACGAAAACATCATTCTCGAGAATAGTGATGTGTTTCGAGCTTTTTTG-3′ |
| sh-CCNB1IP1-R                         | 5′-AAATCAAAAAGGCCTACGAAAACATCATTCTCGAGAATAGTGATGTGTTTCGAGCTTTCT-3′ |
| sh-TLNRD1-F                           | 5′-CCGGCCCTGCTATCGGCTTTAAGCCTGAGATGCAGGTTTTTT-3′ |
| sh-TLNRD1-R                           | 5′-AAATCAAAAACCTGCTACGTTTAGCTCTTAGAATACCTGAGATGCAGGTTTTCT-3′ |

| Primers for RT-qPCR |  |
|---------------------|--|
| H-CCNB1IP1-F        | 5′-TCGCATCAAACCTTCTTGC-3′ |
| H-CCNB1IP1-R        | 5′-TGAGCGACTAAACTCACCACT-3′ |
| H-TLNRD1-F          | 5′-CGCCAAGATGTCGGACCAC-3′ |
| H-TLNRD1-R          | 5′-TCTCCCTTTAAGCCTGAGATGC-3′ |

| Primers for plasmids construction |  |
|-----------------------------------|--|
| CCNB1IP1-5′UTR-F                  | 5′-CTTTTTGCAAAAAAGCTTTTCTCCCTCGCTCTGGTTGTG-3′ |
| CCNB1IP1-5′UTR-R                  | 5′-TTGGCGTGCTCCATGCTTACGTAATGCTGCTCCGAGCTGAGGAGT-3′ |
| TLNRD1-5′UTR-F                    | 5′-CTTTTTGCAAAAAAGCTTTTCTCCTAGCGGTTGTG-3′ |
| TLNRD1-5′UTR-R                    | 5′-TTGGCGTGCTCCATGCTTACGTAATGCTGCTCCGAGCTGAGGAGGAGT-3′ |
| mutant-CCNB1IP1-5′UTR-F           | 5′-TGTTGAGACCAATCCACTGAG-3′ |
| mutant-CCNB1IP1-5′UTR-R           | 5′-GCCCAACAAACGAGGAG-3′ |
| mutant-TLNRD1-5′UTR-F             | 5′-GGGCCGTCGGACCGCGCCGGCCGGGGC-3′ |
| mutant-TLNRD1-5′UTR-R             | 5′-CTGCACAGTCTCCGCTG-3′ |

Please browse Full Text version to see the data of Supplementary Tables 2.

Supplementary Table 2. The transcriptional and translational changes in response to ZnO NP treatment.