Corrigendum
Corrigendum to “XRRA1 Targets ATM/CHK1/2-Mediated DNA Repair in Colorectal Cancer”

In the article titled “XRRA1 Targets ATM/CHK1/2-Mediated DNA Repair in Colorectal Cancer” [1], there were errors in the reported sequences. It was raised to our attention [2] that the article includes mistargeted primer sequences as follows:

(a) The reverse primer for cyclin E, TTTCACTTGCTATGTCGTCCTTGTAGTCCG, does not target cyclin E despite being reported to do so in previous studies [3, 4]
(b) The primers given for P21, TACTCCCCTGCCCTCAACAAG and CGCTATCTAGCACGCTCAT, actually target TP53
(c) The primers given for GADPH, AATGGACAACTGGTCGTGGAC and CCCTCCAGGGGATCTGTTTG, actually target glyceraldehyde-3-phosphate dehydrogenase, spermatogenic. This is a paralog of GADPH that is only expressed in high levels in the testes [5]

The authors say they used the correct primers and provided purchase orders (see the supplementary materials (available here)), but incorrectly included primers used in their other research when preparing the article. The correct primer sequences are shown below:

(i) XRRA1 forward 5′-TCAGGAATCTACAAGCTGGATGA-3′
(ii) XRRA1 reverse 5′-CTTAACCATAACCAGTGTCC-3′
(iii) Cyclin E forward 5′-GCCAGCTTGGGACAATAATG-3′
(iv) Cyclin E reverse 5′-CTTGCACGTTGAGTTTGGTT-3′
(v) Cyclin A2 forward 5′-CGCTGCGGTACTGAGT-3′
(vi) Cyclin A2 reverse 5′-CGCTGCGGTACTGAGT-3′
(vii) P21 forward 5′-CGATGGAACTTCGACTTTGCTAAGG-3′
(viii) P21 reverse 5′-GCACAAGGGTGTTACGATCATCTGTTTC-3′
(ix) GAPDH forward 5′-ACAACTTTGGTATCGTGGAAGG-3′
(x) GAPDH reverse 5′-GCCATCACGCCACAGTTTC-3′
Supplementary Materials

Purchase orders for the primers from Tianyi Huiyuan.

(Supplementary Materials)

References


