

Author Correction: Structures of KEOPS bound to tRNA reveal functional roles of the kinase Bud32

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In the version of the article initially published, we reported two cryo-EM structures of a substrate tRNA bound to the KEOPS complex. To solve these two cryo-EM structures, we used a published X-ray crystal structure of the isolated tRNA molecule as a reference for model building; there were errors in that model (see Beenstock, J. et al. *Nat. Commun.* <https://doi.org/10.1038/s41467-020-19990-5> (2020) and associated correction). Thus, the two cryo-EM structures that we reported and deposited to the PDB (8UNK and 9D85) also contained the error in the register for the first 16 nucleotides of the tRNA. We have now corrected the two cryo-EM structures.

In the article, the Table 1 data collection and refinement statistics have been updated; Fig. 3a–c structural models and legend are updated; the Fig. 3d coloration of tRNA alignment sequences have been updated. In the first paragraph of the “G26 forms a network of interactions in the D-arm that are conserved in KEOPS substrate tRNAs” section, the text now reads “G26 stacks with C25, G24 and A23 and forms a base pair with U44. C25, in turn, base pairs with G9, while G24 base pairs with C10, and A23 base pairs with U11. Lastly, A8 stacks with G45 and U44, while G9 stacks with C10 and U11” replaces the original text “G26 base pairs with U44 and stacks with C25 and G24. C25 in turn base pairs with C10, which also interacts with G45, and G24 base pairs with U11 and G45.”

For comparison, the original Table 1 and Fig. 3 are available alongside this amendment. The changes are made in the HTML and PDF versions of the article.

Additional information

Supplementary information The online version contains supplementary material available at <https://doi.org/10.1038/s41467-025-61672-7>.

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