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Author Correction: Quantum pixel representations and compression for *N*-dimensional images

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Correction to: *Scientific Reports* https://doi.org/10.1038/s41598-022-11024-y, published online 11 May 2022

The original version of this Article contained errors in the Figure legends of Figure 5 and Figure 6. The legends of these Figures were inadvertently switched.

The legend of Figure 5:

"256 × 256 image data of a ceramic matrix composite sample[49] acquired using microCT simulated with QPIXL++ at various compression levels and corresponding gate counts of the 17-qubit $U_{\mathscr{R}}$ circuit. The final two rows list the reduction in R_y and CNOT gates compared to the uncompressed circuits."

now reads:

"28 × 28 image data from the MNIST[47,48] database simulated with QPIXL++ at various compression levels and corresponding gate counts of the 11-qubit $U_{\mathscr{R}}$ circuit. The final two rows list the reduction in R_y and CNOT gates compared to the uncompressed circuits."

The legend of Figure 6:

"28 × 28 image data from the MNIST[47,48] database simulated with QPIXL++ at various compression levels and corresponding gate counts of the 11-qubit $U_{\mathscr{R}}$ circuit. The final two rows list the reduction in R_y and CNOT gates compared to the uncompressed circuits."

now reads:

"256 × 256 image data of a ceramic matrix composite sample[49] acquired using microCT simulated with QPIXL++ at various compression levels and corresponding gate counts of the 17-qubit $U_{\mathscr{R}}$ circuit. The final two rows list the reduction in R_y and CNOT gates compared to the uncompressed circuits."

The original Article has been corrected.