## THE NEANDERTHAL IN US



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## THE LEGACY OF NEANDERTHALS

Neanderthals and modern humans exchanged genetic material: on average, people living today carry between one and two percent Neanderthal DNA. To date, 40 percent of the entire Neanderthal genome has survived in modern humans. Neanderthal genes influence the development and function of many different organs. The testes are an exception, where the Neanderthal versions of genes are less active.

## EXTRINSIC LETTERS IN THE GENETIC CODE

The genetic code of modern humans consists of 3.2 billion letters. This corresponds to 436,860 A4 pages in 10-point writing. Stacked on top of each other, this would amount to 52 meters, about the height of a utility pole. The mixing with Neanderthals has led to the alteration of 31,000 letters in the human genome. Combined on A4 pages, this stack would be 0.6 millimeters high.



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