

## **Textcheck Certificate**

| Refnum: | 20081502  |
|---------|---|
|         | Untitled document beginning: Spermidine is an endogenous biological polyamine that exhibits broad longevity-extending roles including anti-oxidative, anti-aging, and cell growth-promoting activities. |
| Date:   | 2020/08/20  |

We hereby certify that Textcheck has checked and corrected the English in the manuscript named above.

A specialist editor with suitable professional knowledge (M.Sc. or Ph.D./M.D.) reviewed and corrected the English. An English language specialist subsequently checked the paper again. The first language of both editors is English.

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