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De novo synthesis of sphingolipids is essential for decidualization in mice

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Revised

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4 **Running title:** Sphingolipid synthesis during decidualization5 Nai-Zheng Ding, PhD <sup>1\*†</sup>, Qian-Rong Qi, PhD <sup>3†</sup>, Xiao-Wei Gu, MD <sup>2</sup>, Ru-Juan Zuo, PhD <sup>2</sup>,6 Jie Liu, MD <sup>3</sup>, Zeng-Ming Yang, PhD <sup>2\*</sup>

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