

Figure S1. Effects of *Lilium lancifolium* (*L. lancifolium*) root extract on melanogenesis-related genes in B16F10 cells. **(A)** B16F10 cells were treated with the indicated concentrations of LRE and α -MSH for 24 h. mRNA levels of tyrosinase-related genes (*tyrosinase*, *Tyrp1*, and *Tyrp2*) were detected via qRT-PCR, with *Gapdh* serving as a loading control. **(B)** B16F10 cells were seeded in 60-mm dishes (2×10^5 cells) and incubated for 24 h. The cells were treated with the indicated concentrations of LRE and α -MSH for 24 h. The mRNA levels of *Mitf* were detected via qRT-PCR, with *Gapdh* serving as a loading control. The results are presented as the mean \pm SD of three independent experiments and were analyzed using a one-way analysis of variance followed by Tukey's test. qRT-PCR, quantitative real-time polymerase chain reaction; mRNA, messenger RNA; *Mitf*, microphthalmia-associated transcription factor. ###, *** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$.

