Telomerase activity in Muse cells

Telomerase activity in naive normal adult human dermal fibroblast (NHDF), Muse cells derived from NHDF (Muse (NHDF)), adult human bone marrow stromal cells (BMSCs), Muse cells derived from BMSCs (Muse (BDNF)), and Hela cells. The sample of Hela cells without the treatment for DNA amplification was used for the negative control (Polymerase (-)). Telomerase activity analysis was performed with TRAPEZE XL Telomerase Activity Detection kit (Millipore, Cat. No. S7707) and Ex Taq Polymerase (Takara, Cat. No. RR001A) under the protocol provided by the manufacturer, and 1.0 x 10^6 cells of each cell type were applied to this assay. The fluorescence intensity was measured by a microplate reader Infinite M1000 PRO (Tecan). A part of data in Supplementary Figure 1 is modified from Wakao et al. (2011).

Reference