

ORIGINAL RESEARCH ARTICLE

Human dental pulp MSCs attenuated motor neuron dysfunction and prolonged lifespan in ALS murine model

Supplementary File

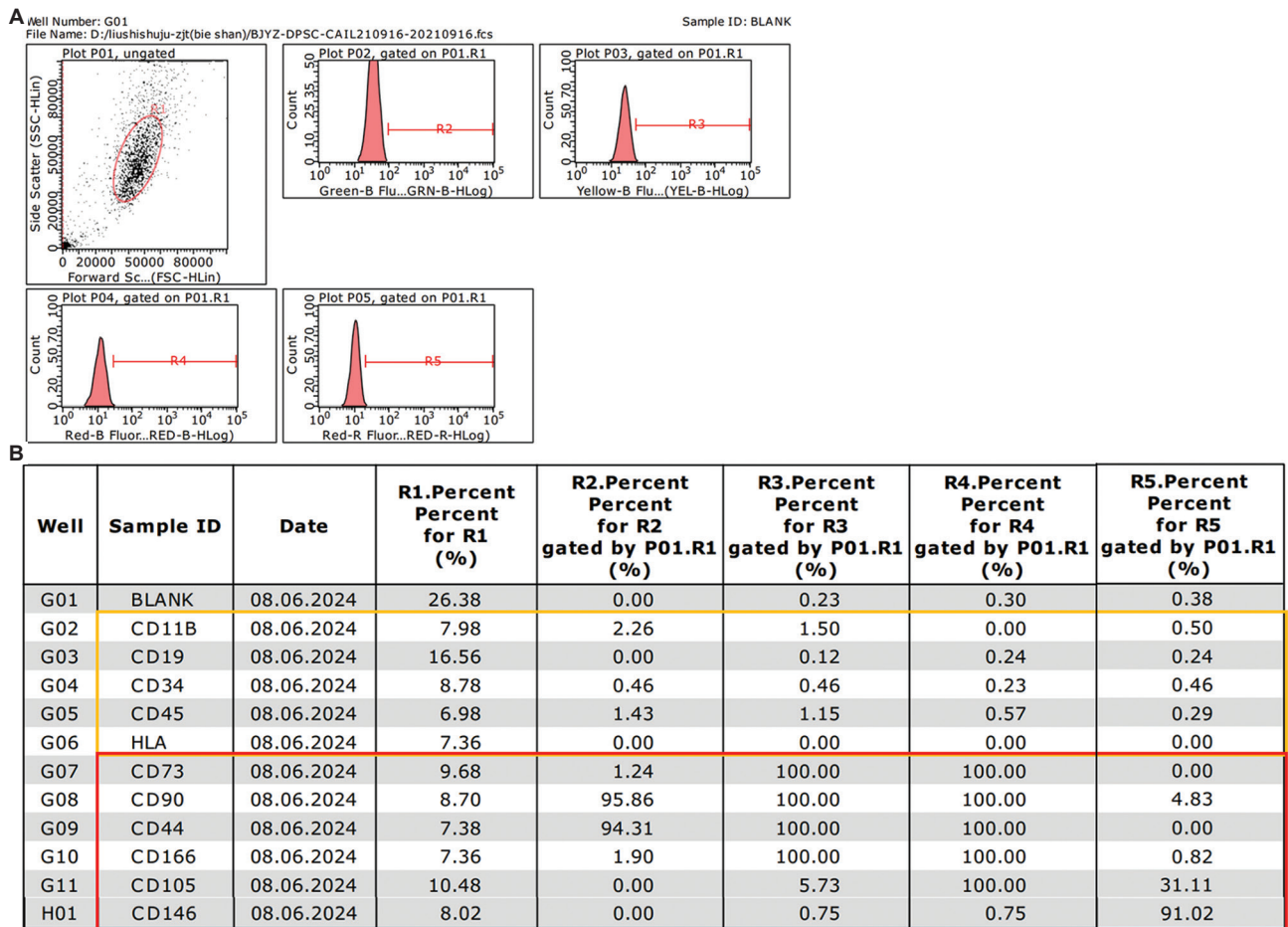


Figure S1. Identification of hDPSCs by flow cytometry. (A) Flow cytometry analysis depicting the gating strategies used to identify hDPSCs. (B) hDPSCs were positive for the surface antigens CD73/CD90/CD44/CD166/CD105/CD146 and negative for CD11b/CD19/CD34/CD45/HLA-DR. Abbreviation: hDPSCs: Human dental pulp stem cells.

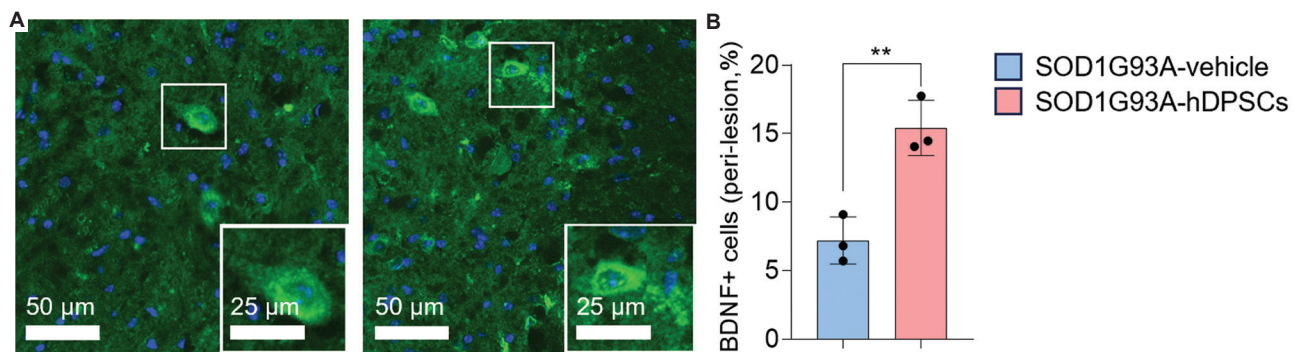


Figure S2. SOD1-G93A mice showed an evident increase in the number of BDNF⁺ cells after treatment with hDPSCs. (A) Immunofluorescence images showing the amount of BDNF⁺ cells in lumbosacral enlargement of the anterior horn of the spinal cord of SOD1-G93A mice treated with vehicle or hDPSCs on day 150. Scale bar = 50 μm. (B) Histogram illustrating the relative proportions of BDNF⁺ cells in SOD1-G93A mice treated with vehicle or hDPSCs. n = 3 per group. Data were statistically analyzed using the unpaired *t*-test. Data are expressed as mean ± SEM. Note: ***p* < 0.01. Abbreviations: hDPSCs: Human dental pulp stem cells; SEM: Standard error of mean.

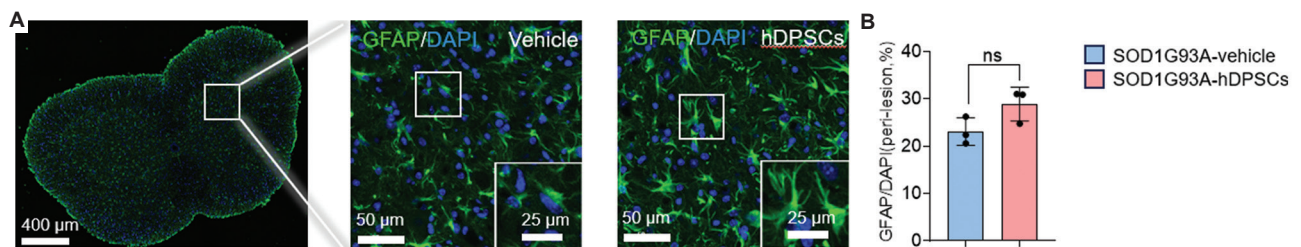


Figure S3. SOD1-G93A mice showed no evident significant changes in the number of astrocytes after treatment with hDPSCs. (A) Immunofluorescence images showing the amount of astrocytes in lumbosacral enlargement of the anterior horn of the spinal cord of SOD1-G93A mice treated with vehicle or hDPSCs on day 150. Scale bar = 50 μm. (B) Histogram illustrating the relative proportions of astrocytes in SOD1-G93A mice treated with vehicle or hDPSCs. n = 3 per group. Data were statistically analyzed using the unpaired *t*-test. Data are expressed as mean ± SEM. Abbreviations: hDPSCs: Human dental pulp stem cells; SEM: Standard error of mean.