Supplementary Materials

Temporal changes toward cellular senescence in rat dental pulp stem cells induced by long-term *in vitro* culture

Shanshan Zheng[1], Masato Nakagawa[1], Yanan Gong[2], Yasuhiko Matsushima[1], Satoshi Sasayama[3], Shunsuke Baba[3], Yoshitomo Honda[1,]*

[1] Department of Oral Anatomy, Osaka Dental University, 8-1 Kuzuhahanazono-cho, Hirakata, Osaka 573-1121, Japan; 33of1213@gmail.com (S.Z.); m-nakagawa@cc.osaka-dent.ac.jp (M.N.); matsushi-ma-y@cc.osaka-dent.ac.jp (Y.M.)

[2] Department of Operative Dentistry, Osaka Dental University, 8-1 Kuzuhahanazono-cho, Hirakata, Osaka 573-1121, Japan; gyn219@live.com (Y.G.)

[3] Department of Oral Implantology, Osaka Dental University, 8-1 Kuzuhahanazono-cho, Hirakata, Osaka 573-1121, Japan; satoshi_sasayama@mac.com (S.S.); baba-s@cc.osaka-dent.ac.jp (S.B.)

* Correspondence: honda-y@cc.osaka-dent.ac.jp (Y.H.); Tel.: +81-72-864-3013

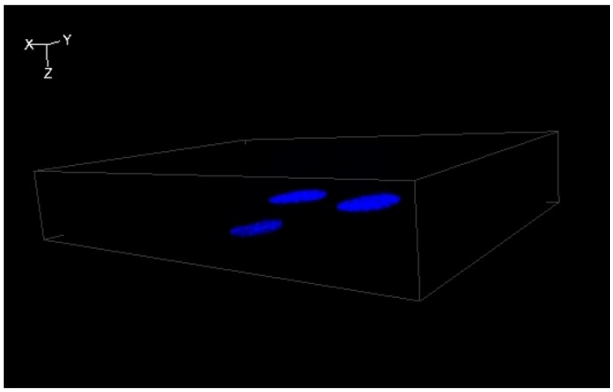


Figure S1. Three-dimensional reconstruction of DPSCs nuclei.

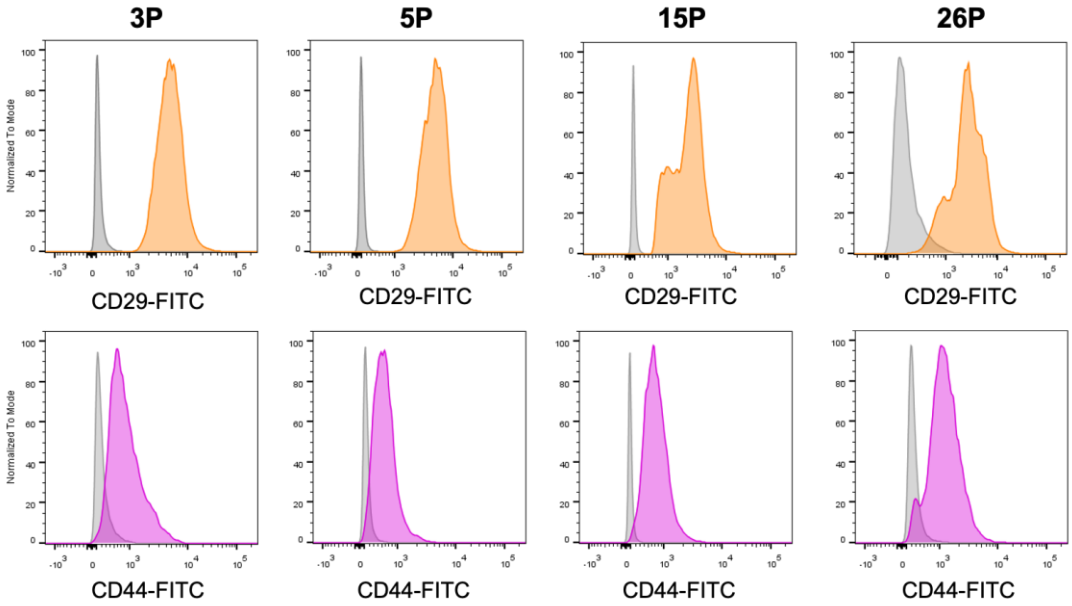


Figure S2. Flow cytometry analysis of rat dental pulp stem cells following sequential passaging. CD29 and CD44: dental pulp stem cell markers. 3P, 5P, 15P, and 26P: 3 to 26 passages.