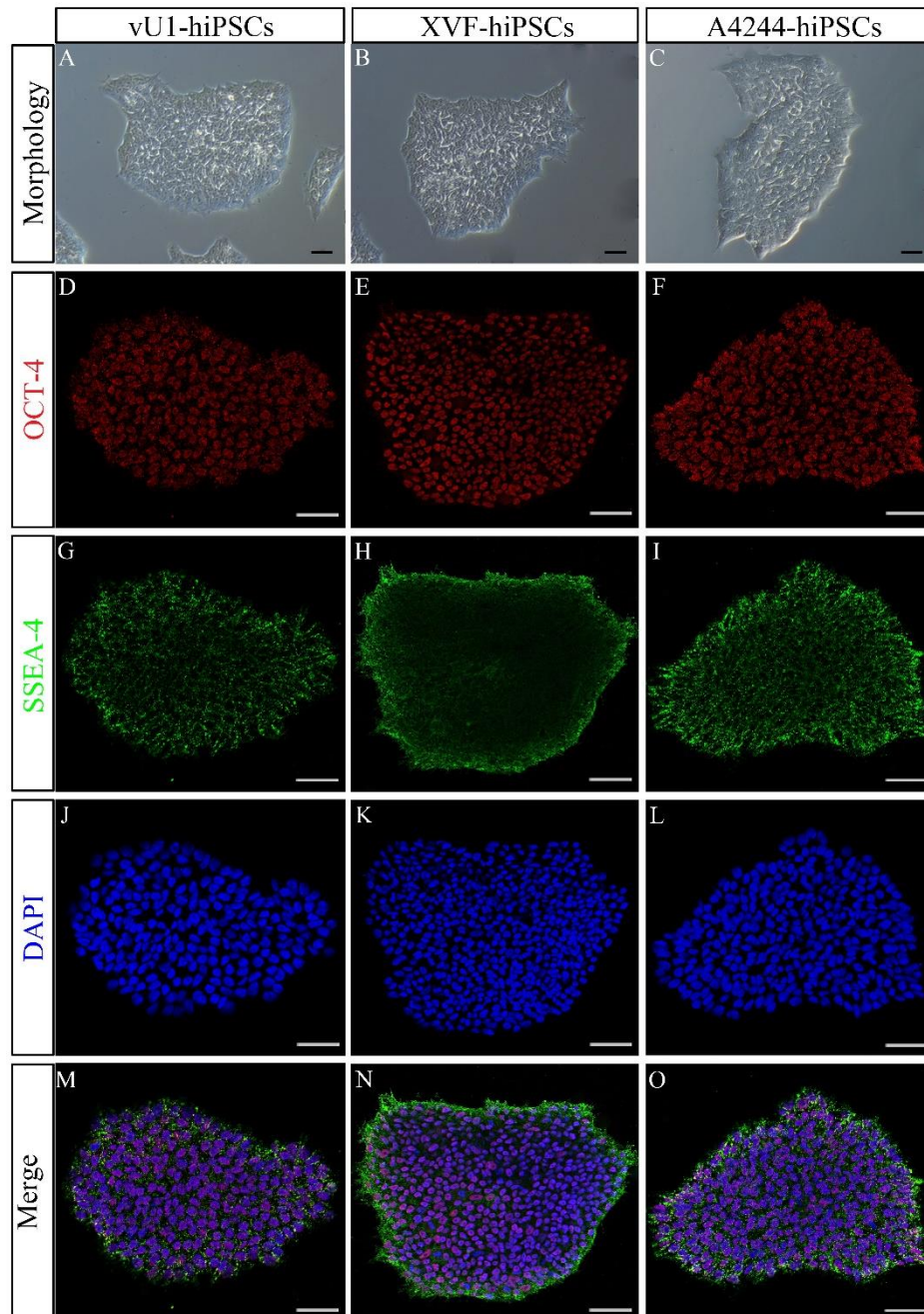
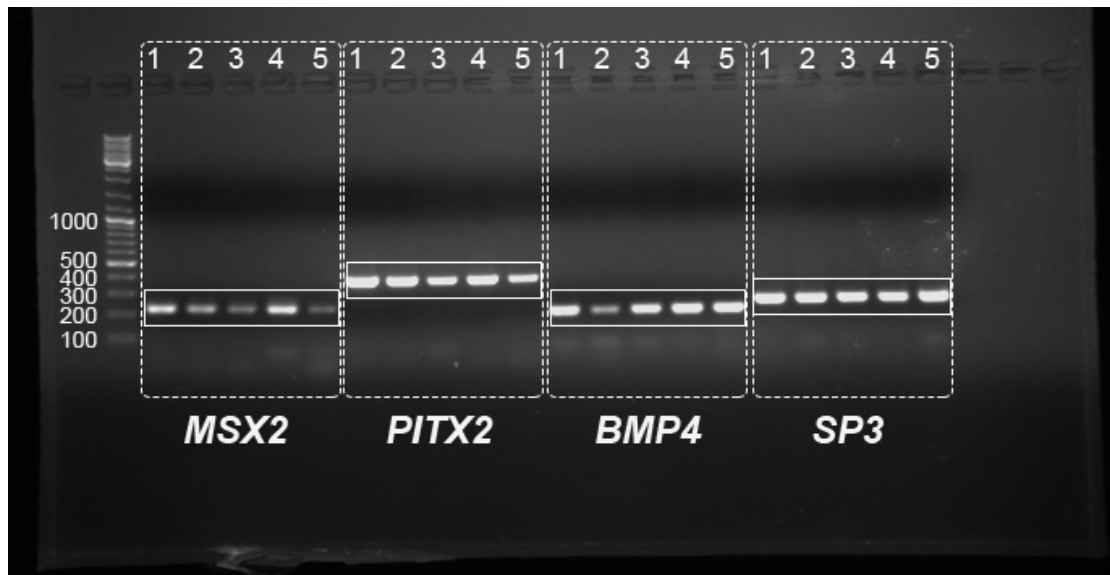


Induction of human stem cells into ameloblasts by reaggregation strategy

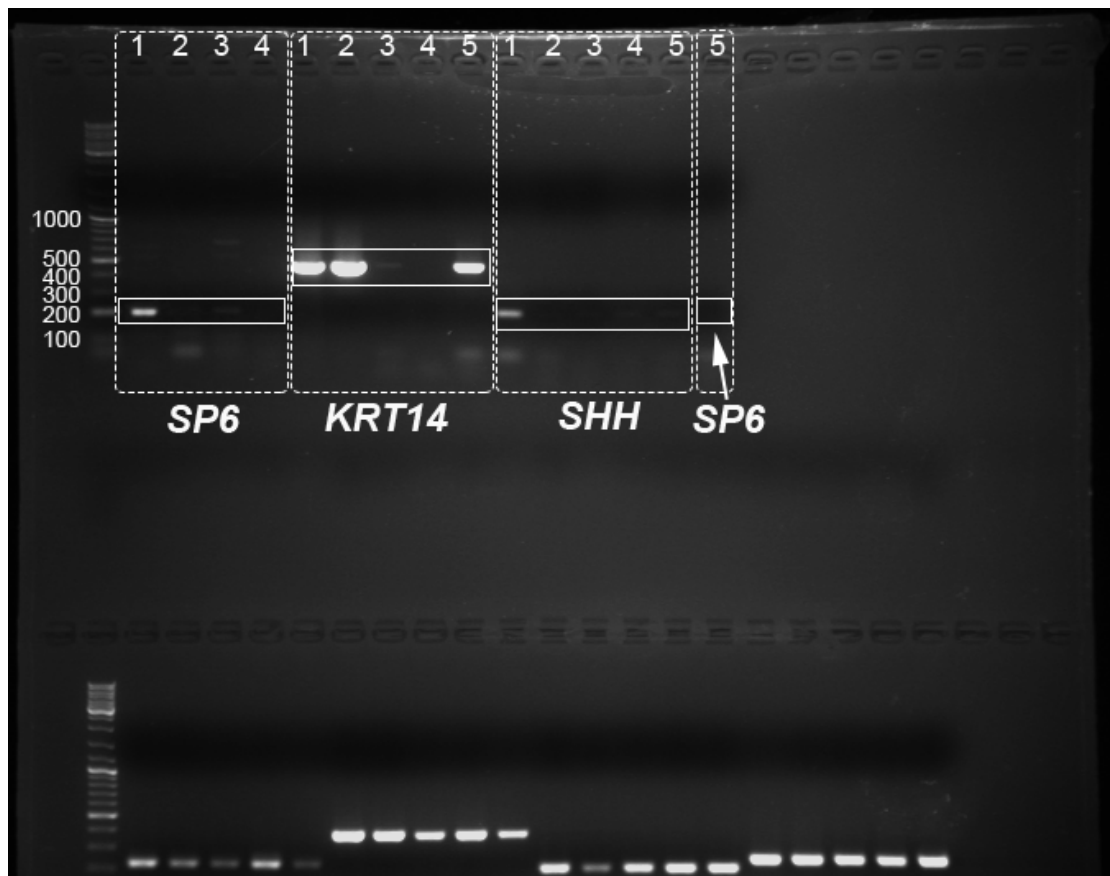
Chensheng Lin*, Shiyu Liu, Minjun Huang, Yanding Zhang, Xuefeng Hu*



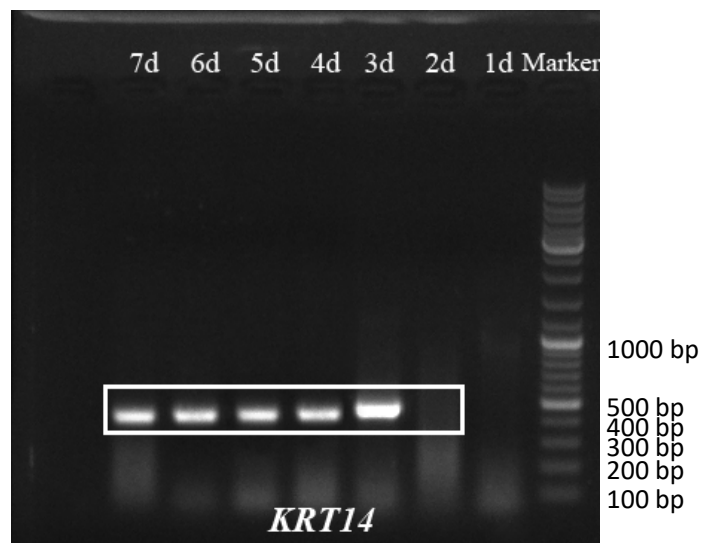
Appendix Figure 1. Identification of hiPSCs with OCT-4 and SSEA-4. (A-C) Bright-field images display the cell morphology of Vu1-hiPSCs, XVF-hiPSCs, and A4244-hiPSCs. (D-O) Immunofluorescence staining reveals the expression of OCT-4 and SSEA-4 in the Vu1-hiPSCs, XVF-hiPSCs, and A4244-hiPSCs.



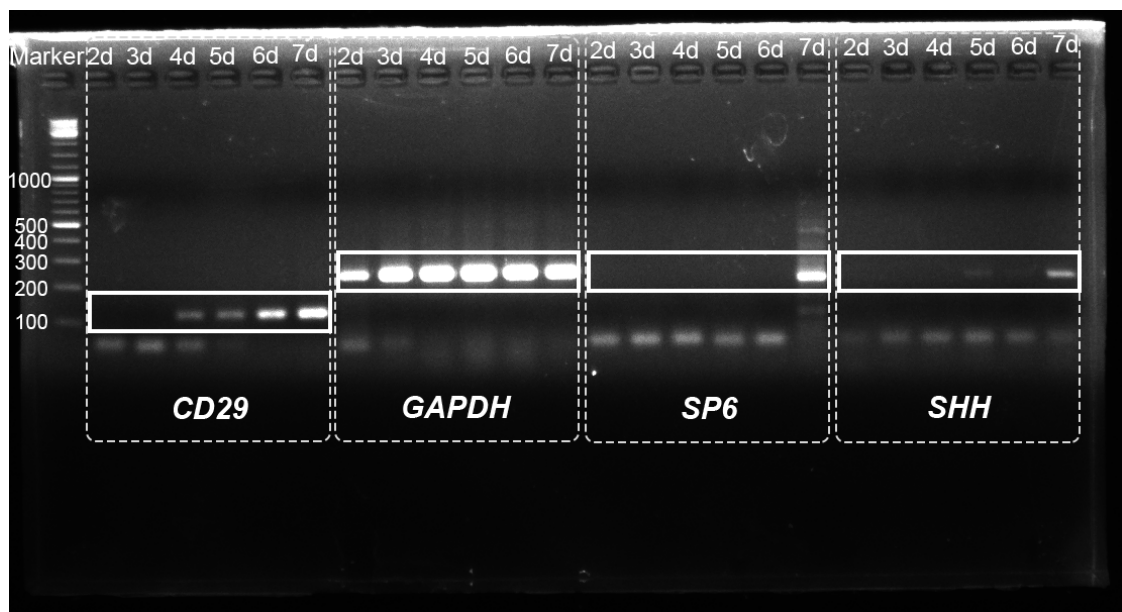
Appendix Figure 2. The uncropped image of *MSX2*, *PITX2*, *BMP4*, and *SP3* expression in **Fig.4A**. 1, dental epithelial tissues; 2, hKSCs; 3, vU1-hiPSCs; 4, A4244-hiPSCs; 5, XVF-hiPSCs. Solid lines indicate the cropped parts shown in Fig.4.



Appendix Figure 3. The uncropped image of *SP6*, *KRT14*, *SHH*, and *SP6* expression in **Fig.4A**. 1, dental epithelial tissues; 2, hKSCs; 3, vU1-hiPSCs; 4, A4244-hiPSCs; 5, XVF-hiPSCs. Solid lines indicate the cropped parts shown in Fig.4. The bottom half of the figure is Appendix Figure 2 (not fully shown).



Appendix Figure 4. The uncropped image of *KRT14* expression in Fig.4B. Solid lines indicate the cropped parts shown in Fig.4.



Appendix Figure 5. The uncropped image of *CD29*, *GAPDH*, *SP6*, and *SHH* expression in Fig.4B. Solid lines indicate the cropped parts shown in Fig.4.

Appendix Table 1. Primer information for genes detected in RT-PCR

Gene	Primer sequences: from 5' to 3'	Temperatures	Product length
<i>BMP4</i>	Forward: TGGGCACCTCATCACACGACT Reverse: ATCGGCTAATCCTGACATGCT	61°C	194 bp
<i>MSX2</i>	Forward: GCCTCGGTCAAGTCGGAAA Reverse: GGAGAACTCTGCACGCTCTG	60°C	225 bp
<i>PITX2</i>	Forward: TGTGGACCAACCTTACGGAA Reverse: GTTATTCAGGCTGTTGAGAC	58°C	374 bp
<i>SP3</i>	Forward: TTGACGCCTGTTCAAACCCT Reverse: AGAATCACCCTGAGCTGCC	60°C	234 bp
<i>SP6</i>	Forward: AAAGTTACCAGGGCCACACG Reverse: TGCAGGAGCTTGGAAGGG	60°C	202 bp
<i>SHH</i>	Forward: CAGGAGTGAACTGCGGGT Reverse: TCACCGAGCAGTGGATATGT	59°C	204 bp
<i>CD29</i>	Forward: AATGAATGCCAAATGGGACACGGG Reverse: TTCAGTGTTGTGGGATTTGCACGG	59°C	119 bp
<i>KRT14</i>	Forward: GGATGCCGAGGAATGGTTCT Reverse: CCATGACCTTGGTGCGGATT	60°C	461 bp
<i>GAPDH</i>	Forward: AATGGGCAGCCGTTAGGAAA Reverse: TGAAGGGGTCATTGATGGCA	58°C	232 bp