Fig. S2 b a hEHOs Group FSCs hAHOs HB hEHOs HS PHH Color key 3 2 hAHOs 1 0 -2 C Correlation Coefficient (R2) 00 0.90 0.77 0.75 0.81 0.81 0.82 0.81 0.81 0.80 0.83 0.83 FSCs 1 00 0.77 0.75 0.81 0.81 <mark>0.82</mark> 0.81 0.81 0.80 <mark>0.84 0.83</mark> FSCs 2 0000.9000.780.790.820.81<mark>0.830.82</mark>0.790.790.790.79 hAHOs \_1 HB\_2 HB\_1 HS\_2 HS\_1 NEHOS P3\_2 NEHOS P3\_1 NEHOS P1\_2 NEHOS P1\_1 FSCS\_2 FSCS\_1 0.750.75<mark>0.90 1 00</mark>0.760.770.800.800.820.820.770.770.790.79 hAHOs \_2 0.81 0.81 0.78 0.76 1.00 0.90 0.85 0.85 0.83 0.83 0.87 0.87 0.75 0.75 HB\_1 0.81 0.81 0.79 0.77 <mark>0.90 1.00 0.85 0.85 0.83 0.83 0.87 0.87 0.75 0.75 HB 2</mark> 0.82 0.82 0.82 0.80 0.85 0.85 00<mark>0.900.890.880.850.85</mark>0.760.76 hEHOs P1\_1 0.81 0.81 0.81 0.80 0.85 0.85 0.90 1 00 0.89 0.88 0.85 0.75 0.76 hEHOs P1\_2 0.81 0.81 0.83 0.82 0.83 0.83 0.89 0.89 0.00 0.90 0.84 0.84 0.76 0.76 hEHOs P3\_1 0.80 0.80 0.82 0.82 0.83 0.83 0.88 0.88 0.90 0.00 0.83 0.83 0.75 0.75 hEHOs P3 2 0.83 0.84 0.79 0.77 0.87 0.87 0.85 0.85 0.84 0.83 000 0.91 0.74 0.75 HS 1 Color key 0.83 0.83 0.79 0.77 0.87 0.87 0.85 0.85 0.84 0.83 0.91 0.750.75 HS\_2 0.790.790.750.750.760.750.760.75 00<sub>0.89</sub> PHH 1 0.95 0.790.790.750.750.760.760.760.750.750.75<mark>0.89</mark> 0.9 PHH\_2 PHH\_1 HS\_2 HS\_1 hEHOs P3\_2 hEHOs P3\_1 hEHOs P1\_2 nAHOs\_2 hEHOs P1\_ 0.85 8.0 0.75

Supplementary information, Fig. S2 Gene expression profile of hEHOs, related to Fig.2. (a) Representative morphology of hEHOs and hAHOs. (b) Heatmap of the global gene expression in PHH, hAHOs, FSCs, HS, HB, and hEHOs at passage 1 and passage 3. (c) Correlation plot showing Pearson's correlation coefficient between biological replicates of PHH, hAHOs, FSCs, HS, HB, and hEHOs at passage 1 and passage 3. Scale bar: 100 μm (a).