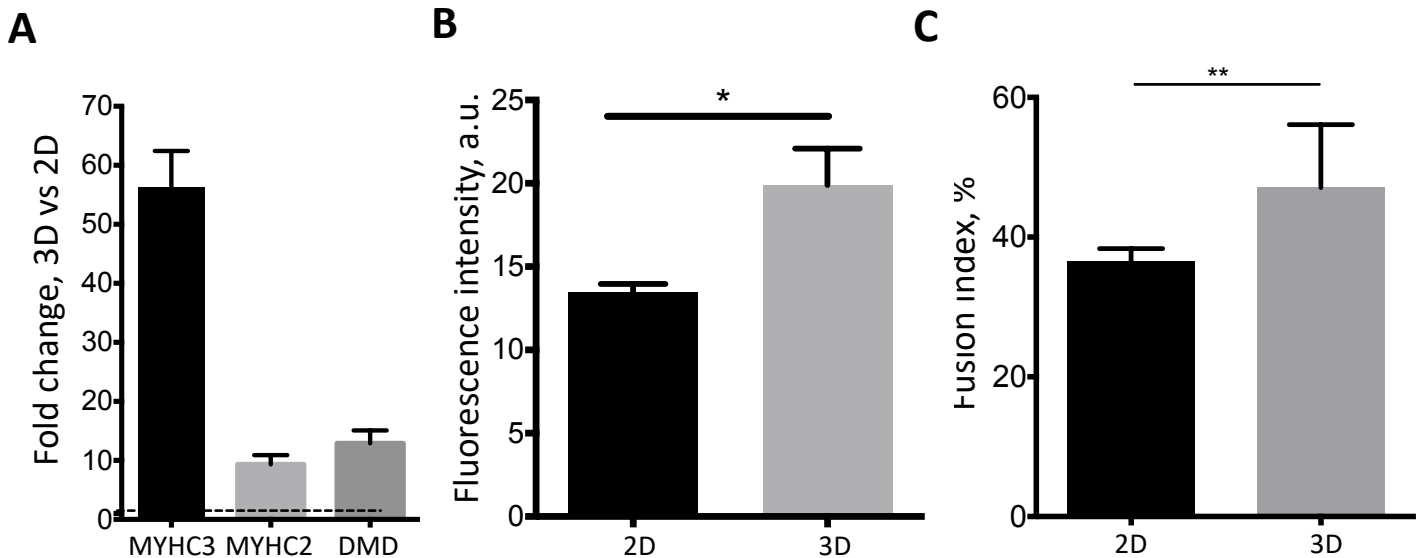


Supplementary Figure S4



Supplementary Figure S4. Quantitative comparison between hES-derived 2D myotubes and 3D myobundles. **A.** qPCR analysis of myosin heavy chain 3 (MYHC3), myosin heavy chain 2 (MYHC2), and dystrophin (DMD) expression between 2D myotubes (dotted line) and 3D myobundles obtained from hES-derived myoblasts, 12 days after switching to differentiation medium. Expression levels were normalized against GAPDH. **B.** Quantification of fluorescence intensity for dystrophin between 2D or 3D cultures of hPSC-derived myoblasts 12 days after seeding. Data are shown as mean \pm s.e.m. of 3 independent replicates; $*P < 0.05$, with Student's t-test; **C.** Comparison of fusion index (i.e., number of nuclei within myotubes over the total number of nuclei) between the same two conditions described in B. Data are shown as mean \pm s.e.m. of 3 independent replicates; $**P < 0.02$, with Student's t-test.