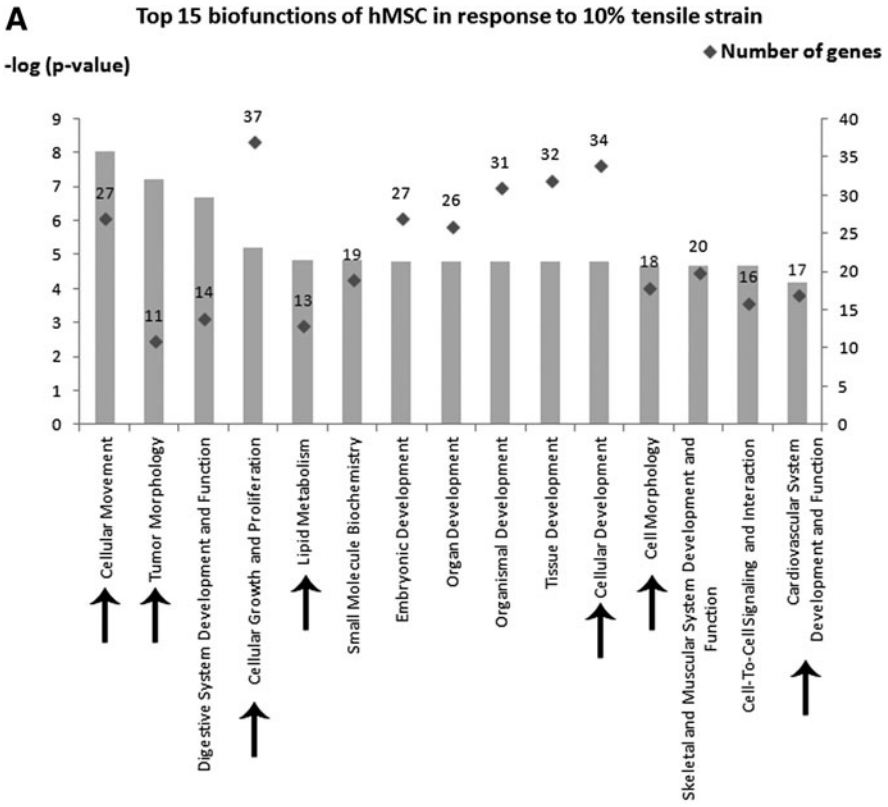
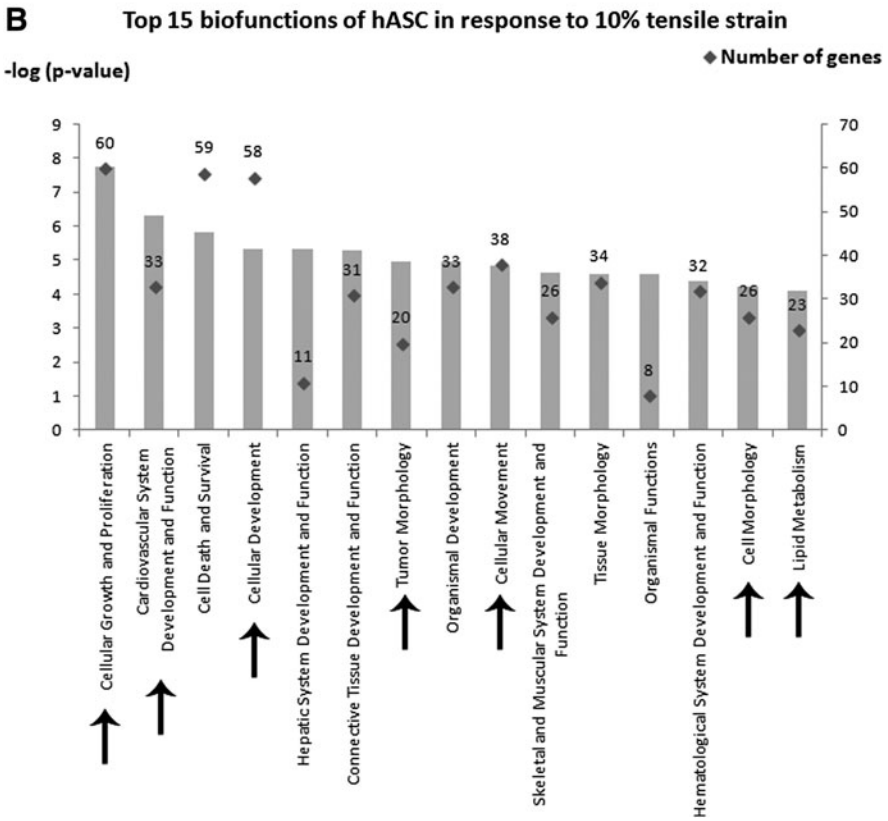
Supplementary Data





SUPPLEMENTARY FIG. S1. Comparative function analysis indicates 10% uniaxial cyclic tensile strain induces expression of genes associated with cellular movement, growth, and proliferation in both hMSC from osteoporotic donors as shown **(A)**; and human adipose-derived stem cells (hASC) from our previous study[19] **(B)**. Seven of the top 15 biofunctions overlap between the two cell types (marked with arrow). Left Y-axis is $-\log$ (p-value) shown as bar chart. Right Y-axis is number of genes associated with functions shown as diamond (◆) with number.