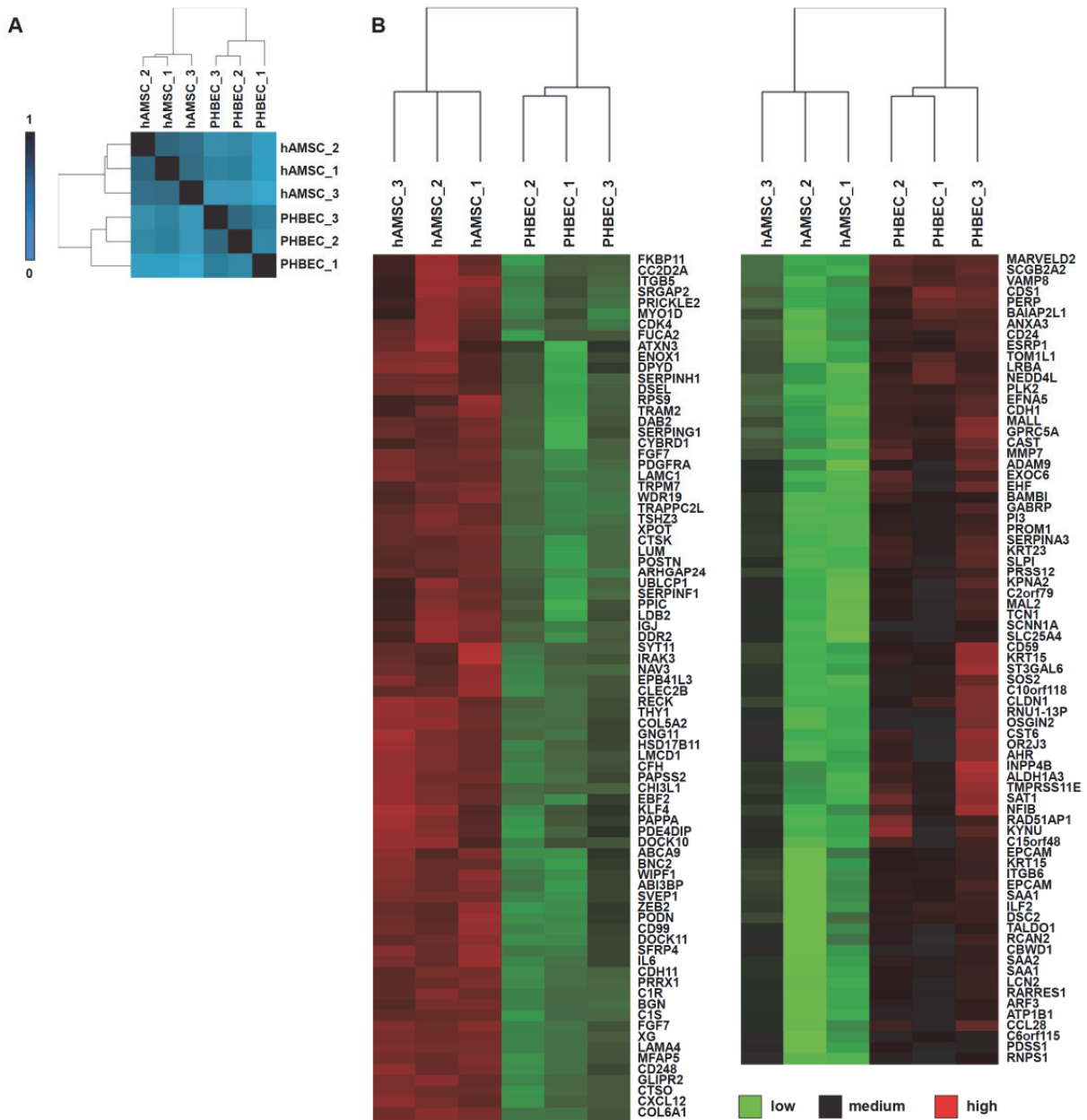




Additional file 3: Mesenchymal- and epithelial-specific genes group hAMSC or PHBEC samples, respectively. (A) Pearson correlation heatmap matrix of the gene expression profiles from three epithelial and three mesenchymal monocultures grown for 30 days in *ex vivo* culture conditions. (B) Heat map with clusters derived from unsupervised hierarchical clustering of gene expression data of hAMSCs ($n=3$) and PHBECs ($n=3$) grown as monocultures on an ECM-coated mesh for 21-30 days. (Left) Gene-cluster enriched for up regulated mesenchymal genes. (Right) Gene cluster enriched for upregulated epithelial genes. (Red) up regulated; (Green) downregulated; (Black) average expression.