

# Comparative proteomic and metabolomic analysis of human osteoblasts, differentiated from dental pulp stem cells, hinted crucial signaling pathways promoting osteogenesis

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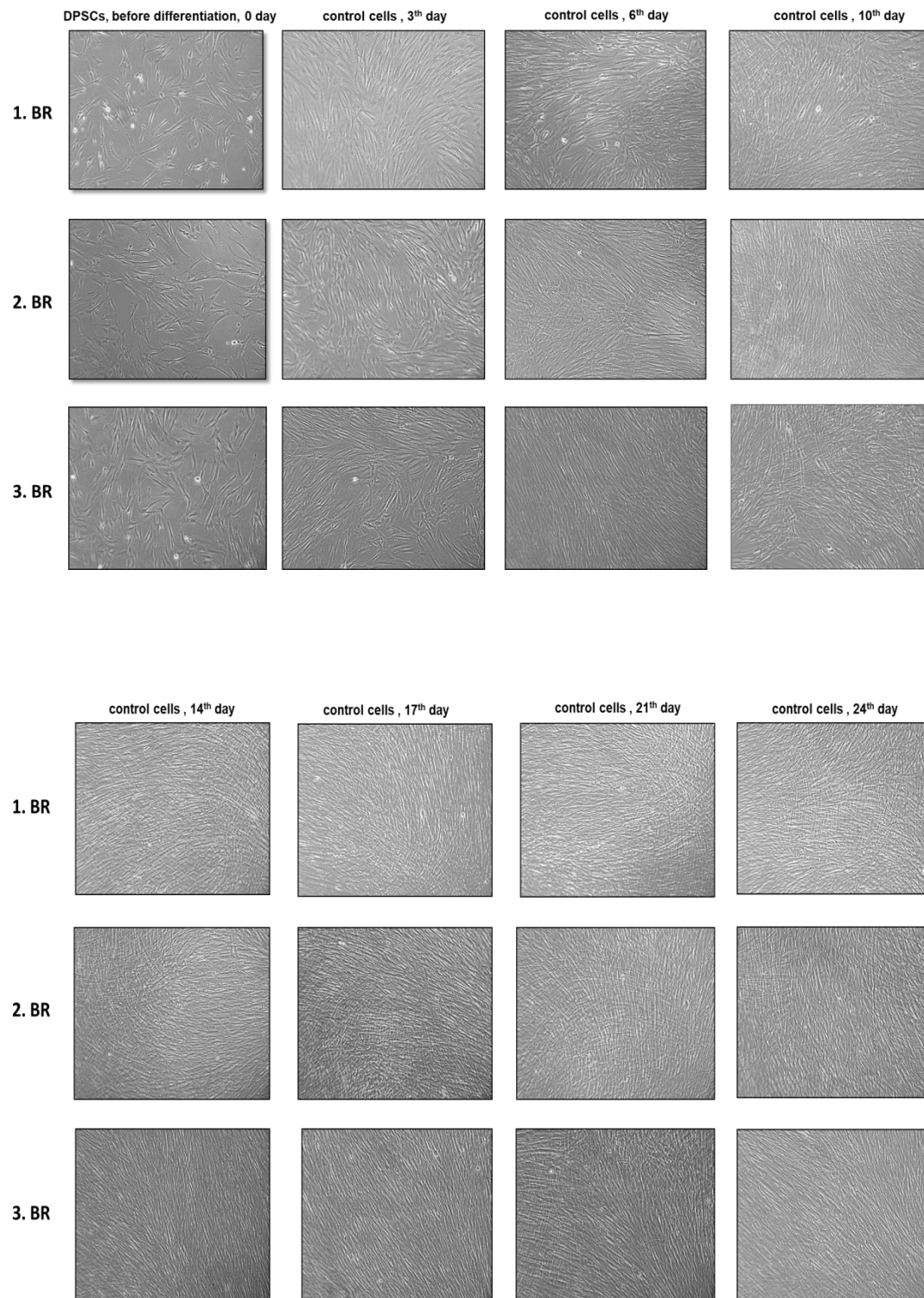
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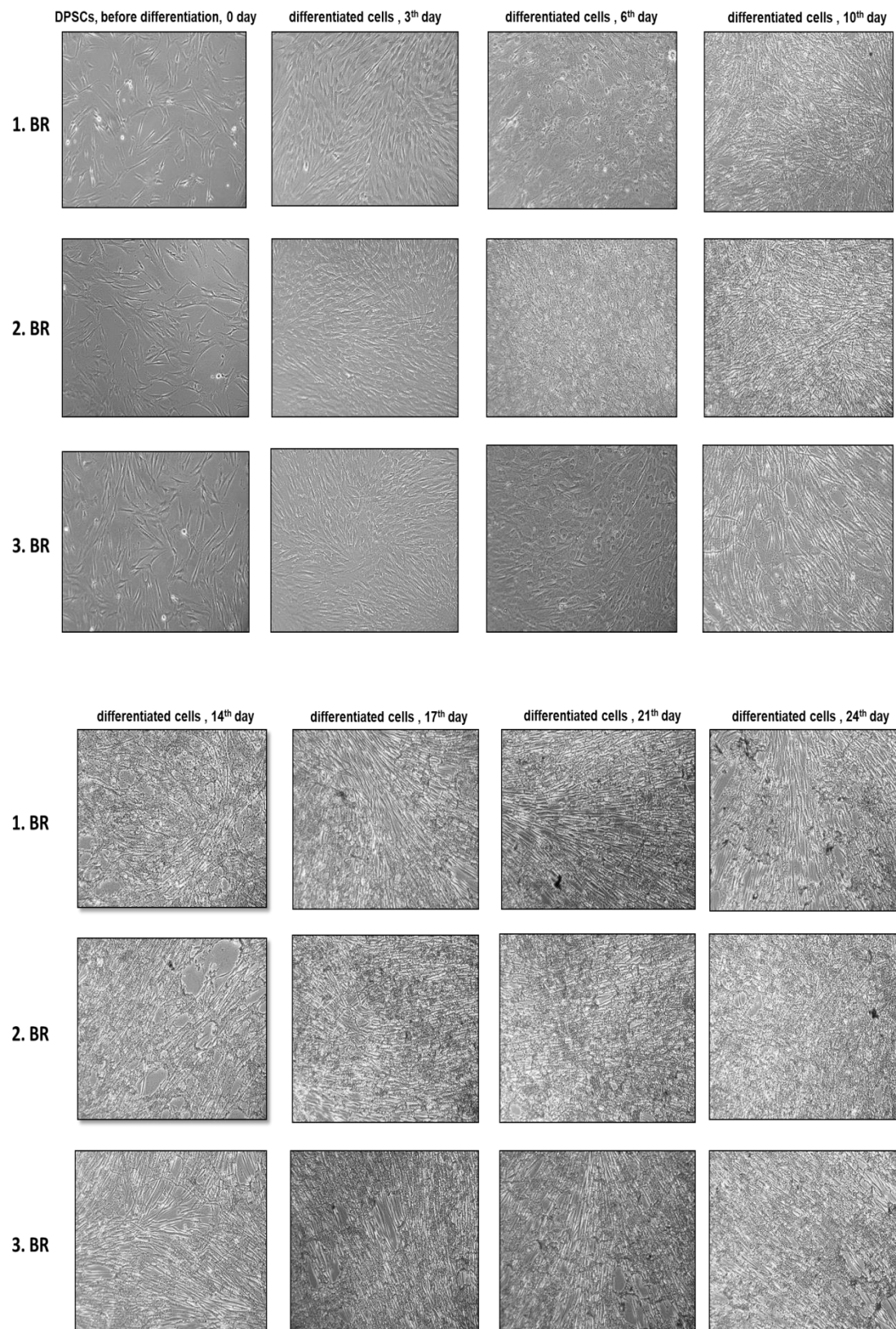
**Supplementary figure S3.** MetaboAnalyst pathway analysis. Column chart show functional categorization of differentially abundant metabolites into metabolic pathways.

**A**



**Supplementary figure S1** Morphological changes during 24 days in undifferentiated (control) (A) and differentiated cells (B). Magnification 100 x.

**B**

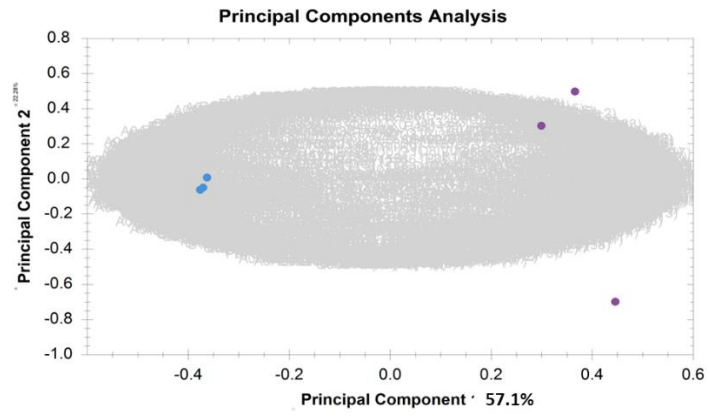


**Supplementary figure S1.** Morphological changes during 24 days in control (A) and osteodifferentiated cells (B). Magnification 100 x.

**A**

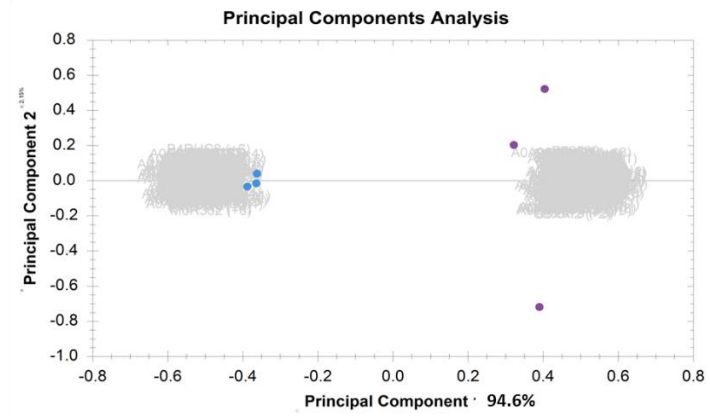
All proteins

22.3%



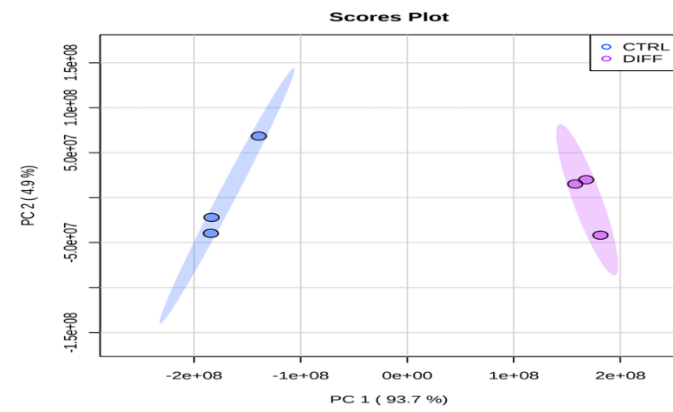
Differentially abundant

2.2%

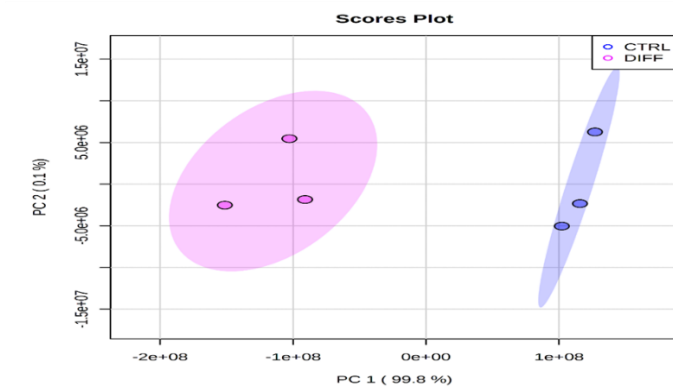


**B**

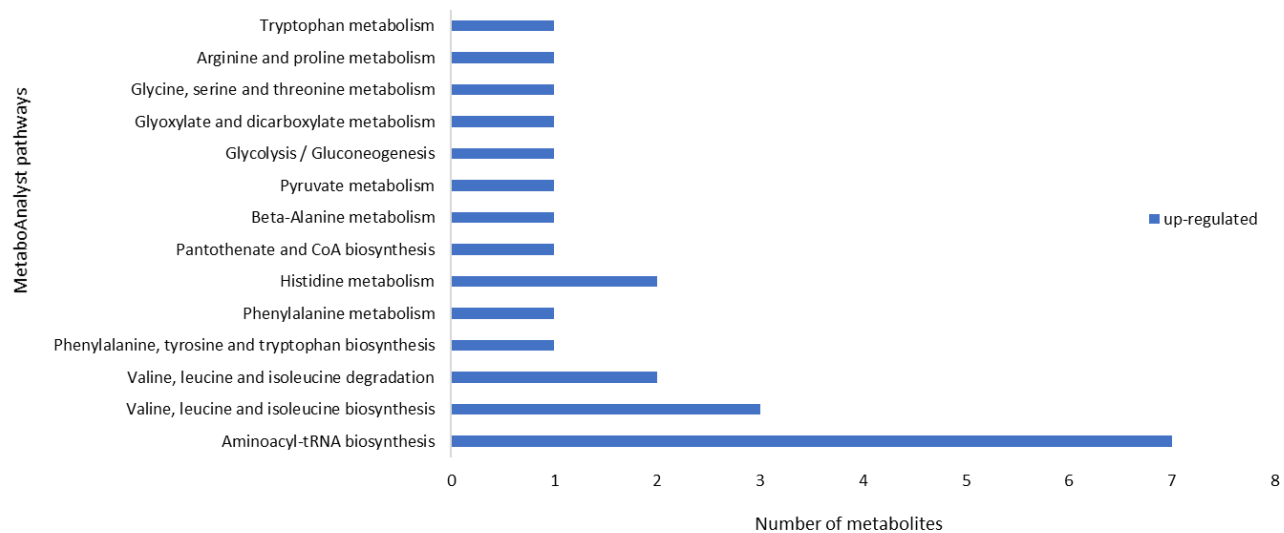
All metabolites



Differentially abundant



Supplementary figure S2. Principal component analysis: A—proteins, B—metabolites



**Supplementary figure S3.** MetaboAnalyst pathway analysis. Column chart show functional categorization of differentially abundant metabolites into metabolic pathways.