

SUPPLEMENTARY TABLE S1. SIGNIFICANT METABOLITE CHANGES AT DAY 7 OF OSTEOGENESIS COMPARED WITH UNDIFFERENTIATED MESENCHYMAL STEM CELLS

<i>Group</i>	<i>Metabolite name</i>	<i>Fold change</i>
Dex	Glycine	7.2981105
	Threonine	7.4853806
	Phenylalanine	7.3229423
	Tyrosine	7.1847806
	Methionine	7.0642815
	Cholesterol	2.3525615
	Isoleucine	7.353789
	Valine	7.2833643
	Glutamine	6.479458
	Glycerol	7.1929746
	Myoinositol	7.7187176
BMP-2	Isoleucine	3.4755905
	Phenylalanine	3.5424957
	Tyrosine	3.4366663
	Isocitrate	0.20523743

Red and *green* denote significantly increased or decreased metabolites, respectively, as presented in the core metabolic network reconstruction. Fold changes are expressed as unlogged values.

BMP-2, bone morphogenetic protein-2; Dex, dexamethasone.