

SUPPLEMENTARY TABLE S4. SIGNIFICANT METABOLITE  
CHANGES IN OSTEOBLASTS COMPARED WITH DAY 21  
OF IN VITRO OSTEOGENESIS

<i>Group</i>	<i>Metabolite name</i>	<i>Fold change</i>
Dex	Ornithine	1.7475185
	Gaba	2.2900906
	Urea	0.54253936
	Phenylalanine	0.6059467
	Glutamine	0.59983367
	Citrate	0.48387167
	Tyrosine	0.60002
	Glycerol	0.6472072
	Fumarate	0.5819718
	Cholesterol	0.15575978
	b-alanine	0.84028673
	Lactate	0.6104794
	Isocitrate	0.9759753
	Glucose	0.51952326
BMP-2	Gaba	3.948429
	Glycerol	3.5012558
	Glutamine	0.49668404
	Phenylalanine	0.4788572
	Urea	0.4329258
	Citrate	0.55114174
	Myoinositol	0.58105046
	Lactate	0.4309276

*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.