

SUPPLEMENTARY INFORMATION

Bioenergetic Profile and Redox Tone Modulate *in vitro* Osteogenesis of Human Dental Pulp Stem Cells: New Perspectives for Bone Regeneration and Repair.

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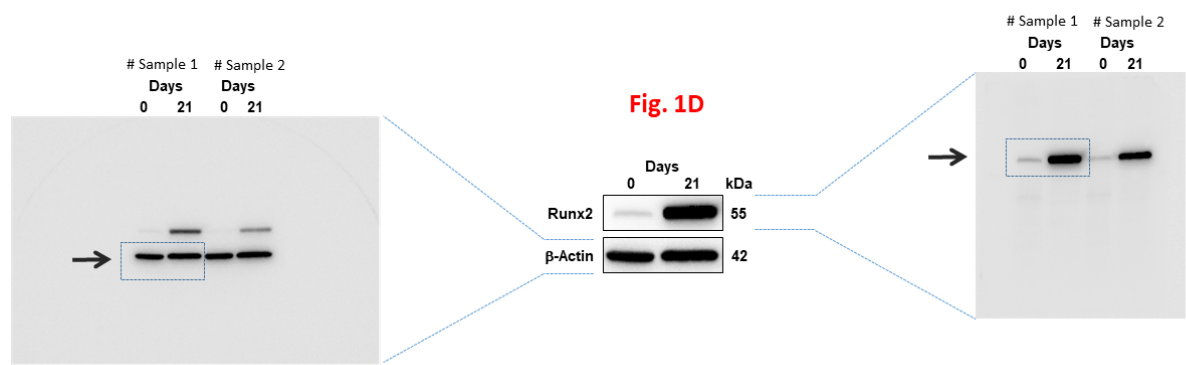
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† Claudia Piccoli and Nazzareno Capitanio contributed equally to this work.

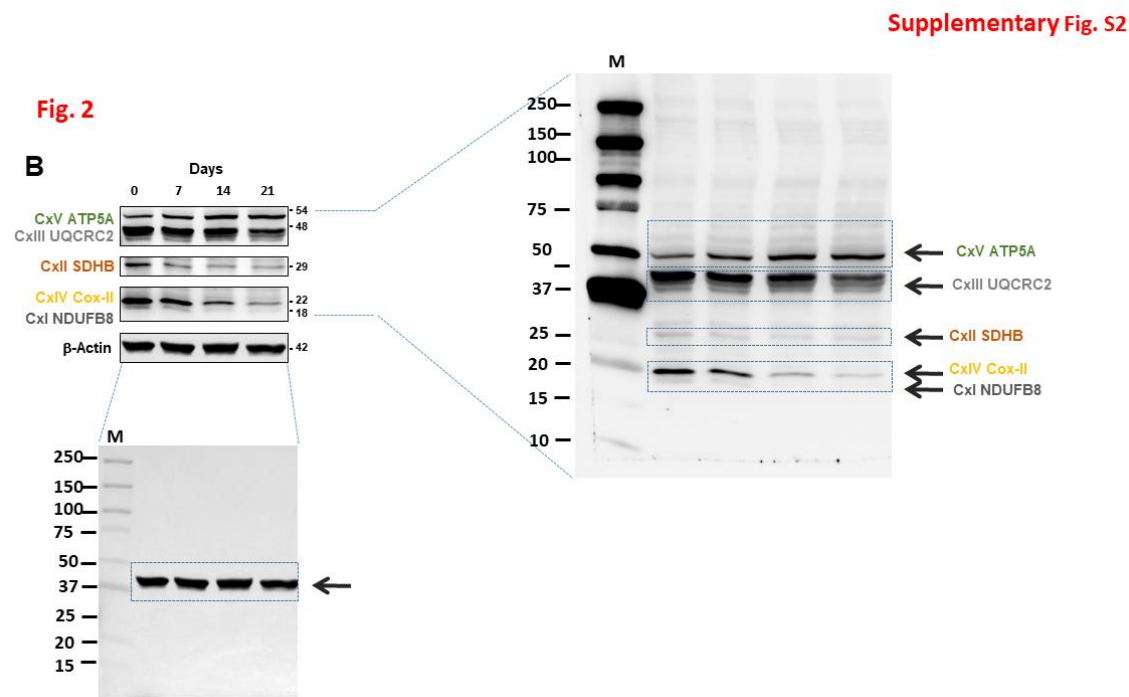
Additional Fig. S1. Full-length blots of Figure 1 illustrating protein expression levels of Runx2.

The cropped blots shown in **Fig 1.D** of manuscript are indicated by a dashed box in the corresponding full length blot. The arrows indicate protein signals at the expected molecular weight. The full length blot on the left shows the β -actin signal obtained on the same blot of Runx2 signal, which has been stripped and subsequently incubated with B actin antibody.

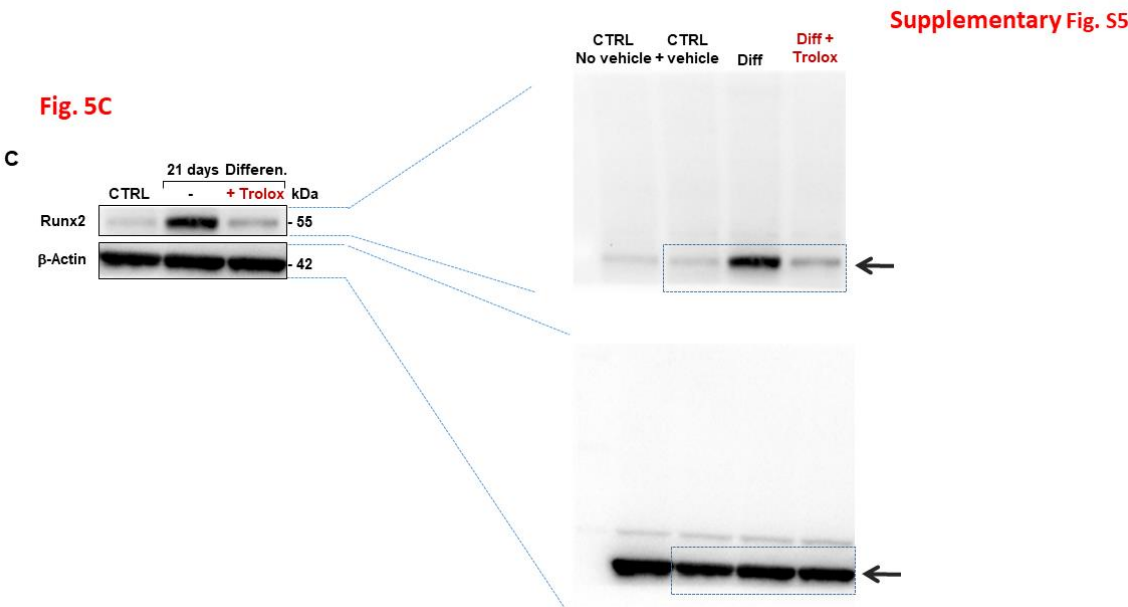
Supplementary Fig. S1



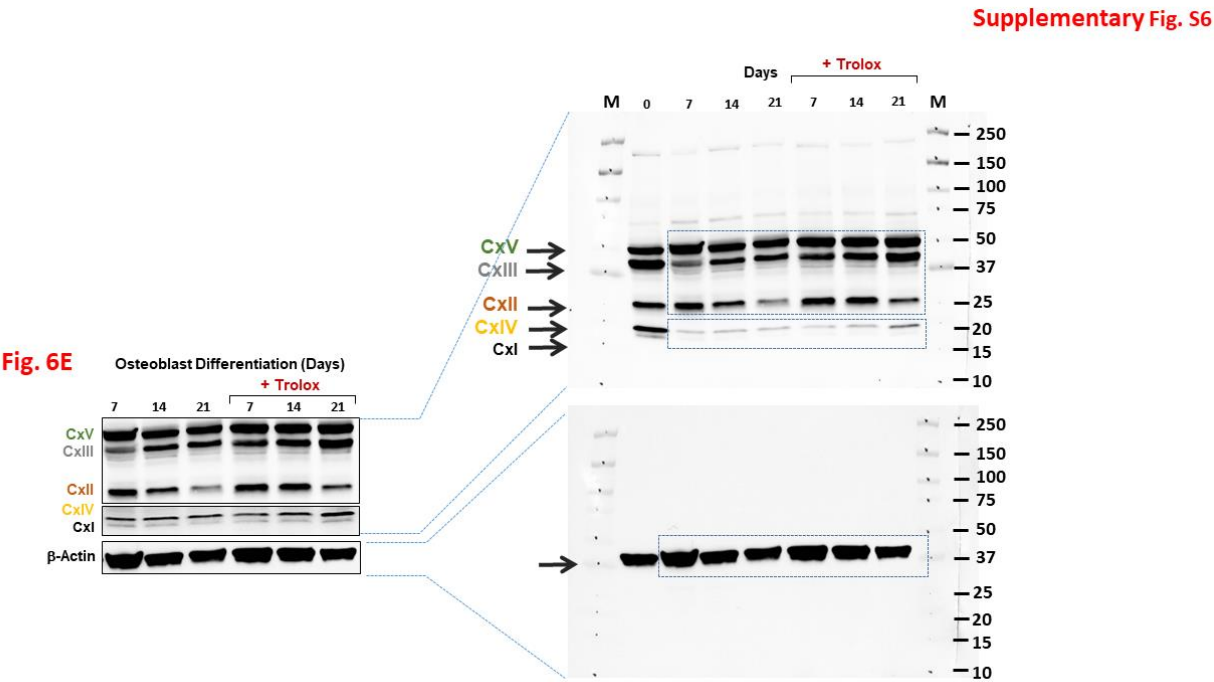
Additional Fig. S2. Full-length blots of Figure 2 illustrating protein expression levels of OxPhos complexes. The cropped blots shown in Fig 2.B of manuscript belong to the same blot acquired with different exposure times in order to achieve the best signal for each complexes of the MitoProfile antibody cocktail used. Cropped images are indicated by a dashed box in the corresponding full length blot. The arrows indicate protein signals at the expected molecular weight.



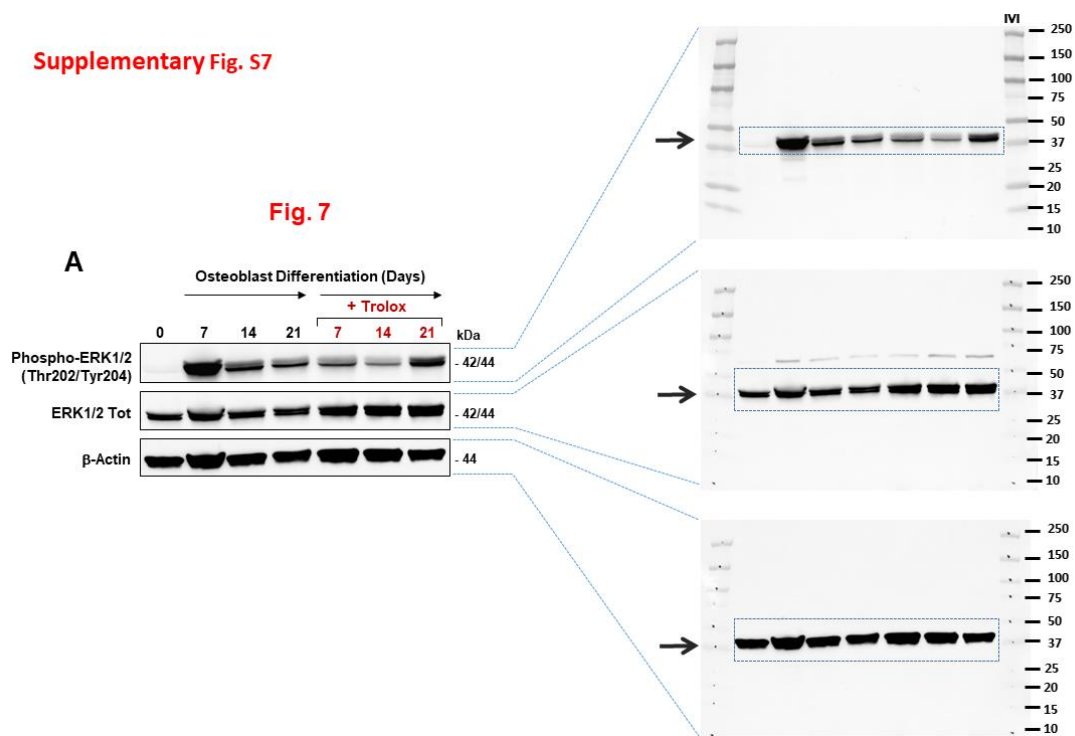
Additional Fig. S5. Full-length blots of Figure 5 illustrating protein expression levels of Runx2 following Trolox treatment. The cropped blots shown in **Fig 5.C** of manuscript are indicated by a dashed box in the corresponding full length blot. The arrows indicate protein signals at the expected molecular weight. M: pre-stained Markers



Additional Fig. S6. Full-length blots of Figure 6 illustrating protein expression levels of Oxphos complexes following Trolox treatment. The cropped blots shown in **Fig 6.E** of manuscript are indicated by a dashed box in the corresponding full length blot. The arrows indicate protein signals at the expected molecular weight. M: pre-stained Markers



Additional Fig. S7. Full-length blots of Figure 7 illustrating protein expression levels of ERK1/2. The cropped blots shown in **Fig 7.A** of manuscript are indicated by a dashed box in the corresponding full length blot. The arrows indicate protein signals at the expected molecular weight. M: pre-stained Markers



Additional Fig. S8. Full-length blots of Figure 8 illustrating protein expression levels of ERK1/2 following delayed Trolox treatment. The cropped blots shown in **Fig 8.D** of manuscript are indicated by a dashed box in the corresponding full length blot. The arrows indicate protein signals at the expected molecular weight. M: pre-stained Markers.

Supplementary Fig. S8

