

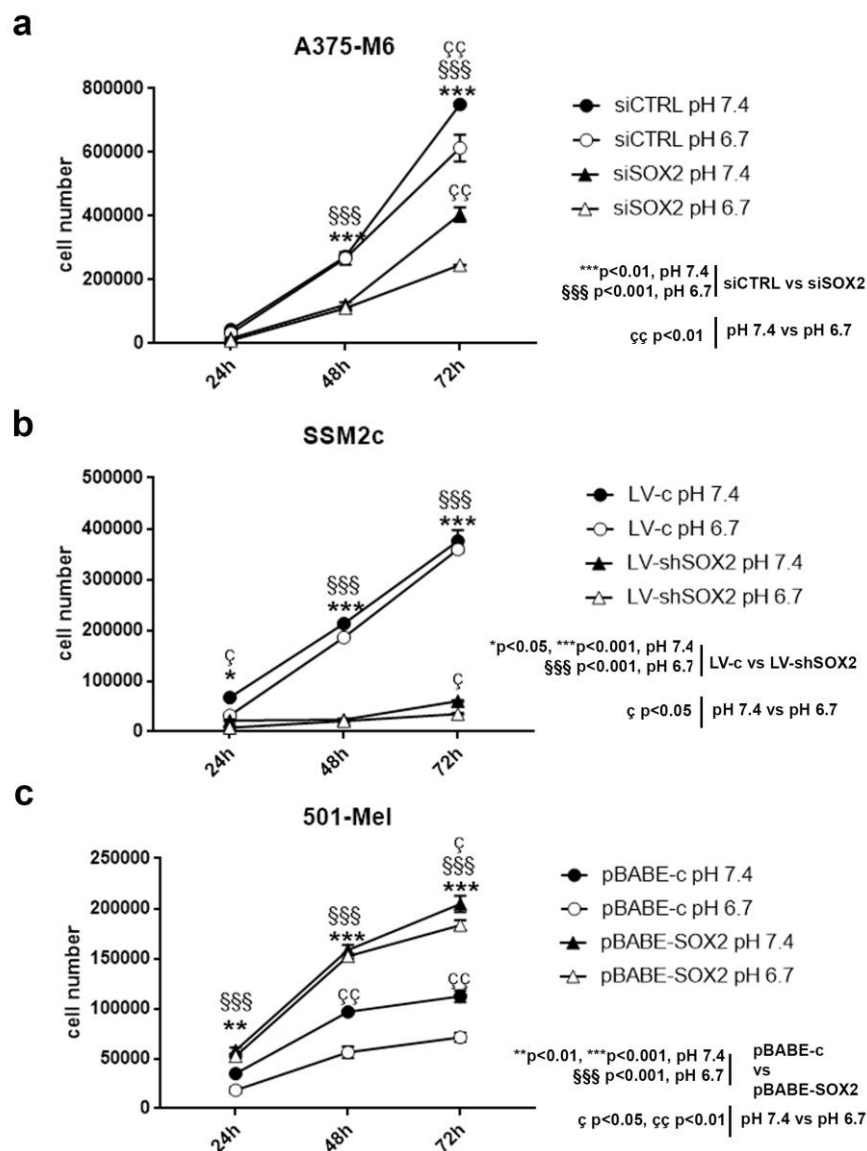
## Additional file 1

### SOX2 as a novel contributor of oxidative metabolism in melanoma cells.

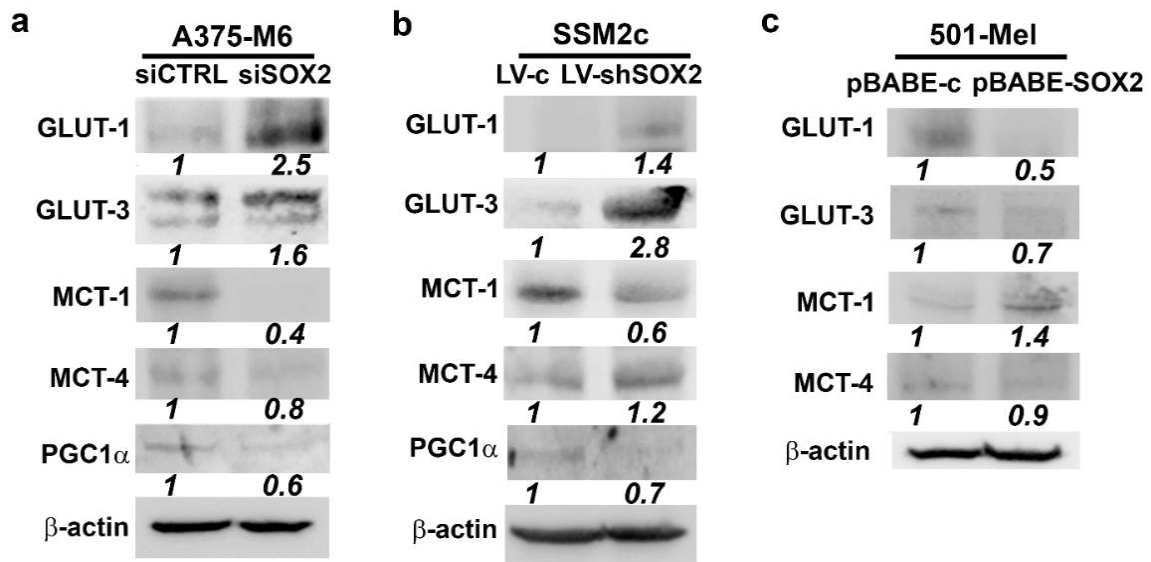
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**Figure S1 Growth curves of melanoma cells with SOX2 depletion or over-expression under standard and acidic condition.** Proliferation of SOX2-depleted A375-M6 (a) and SSM2c (b), and SOX2-overexpressed 501-Mel (c) grown for 24, 48 and 72 hours at pH 7.4 and 6.7. GraphPad Prism software, Two-way ANOVA, N=3.



**Figure S2 Western blotting of a panel of glycolysis- and OxPhos-related proteins**

**after SOX2 silencing and over-expression in melanoma cells.** a) Western blot of GLUT-1 ( $p < 0.01$ ), GLUT-3 ( $p < 0.05$ ), MCT-1 ( $p < 0.01$ ), MCT-4 (ns) and PGC1 $\alpha$  ( $p < 0.05$ ) in A375-M6 siCTRL and siSOX2 at pH 7.4. T-test, N=3. b) Western blot of GLUT-1, GLUT-3, MCT-1, MCT-4 and PGC1 $\alpha$  in SSM2c LV-c and LV-shSOX2 at pH 7.4.  $p < 0.05$ , T-test, N=3. c) Western blot of GLUT-1 ( $p < 0.01$ ), GLUT-3 ( $p < 0.05$ ), MCT-1 ( $p < 0.01$ ), and MCT-4 (ns) in 501-Mel pBABE-c and pBABE-SOX2 at pH 7.4. T-test, N=3. Quantification of protein expression is shown in italic.