

**Supplementary Figure 1** Thechronic effect of acute TMZ treatment on nuclear morphometry and autophagy in TMZ-treated cells. TheU87-LC3 cells were treated as shown in Fig. 1A. Time zero represents 3 h after the treatment (day 0). **(A)** NMA of TMZ-treated cells on day 7; the numbers correspond to the percentage of cells with large and regular nuclei. \*\*\*p<0.01 in relation to the control. (**B**)The percentage of cells in the NA1, NA2 and NA3 regions over time, based on the graphs from Fig. 1F.(**C**)The relative AO red intensity and (**D**)the percentage of AO-positive cells; \*p<0.05, \*\*p<0.01 and \*\*\*p<0.01 in relation to the control.