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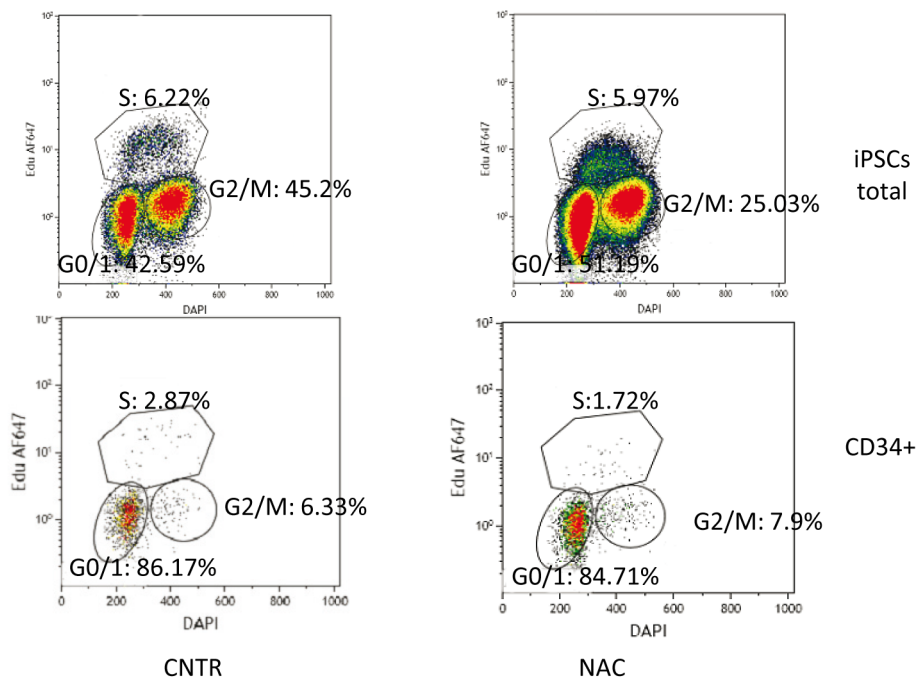
SUPPLEMENTARY MATERIAL

corresponding to:

**N-acetylcysteine protects induced pluripotent stem cells
from *in vitro* stress: impact on differentiation outcome**

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Supplementary Fig. S1. Impact of N-acetylcysteine (NAC) on cell cycle of differentiating induced pluripotent stem cells (iPSCs). Cell cycle profile of total population of differentiating iPSCs and CD34 positive cells at three weeks of differentiation treated or untreated with NAC. EdU solution was applied to the culture medium in final concentration 10 μ M for 45 minutes. Cells were raised, washed with 1% BSA-PBS and resuspended in the same buffer. After staining with anti-CD34 or anti-TRA-1-85 antibodies procedure was performed according to manufacturer's instruction with EdU staining kit (Life Technologies) and analyzed by FACS. DNA content was determined using staining with 4',6-diamidino-2-phenylindole (DAPI).