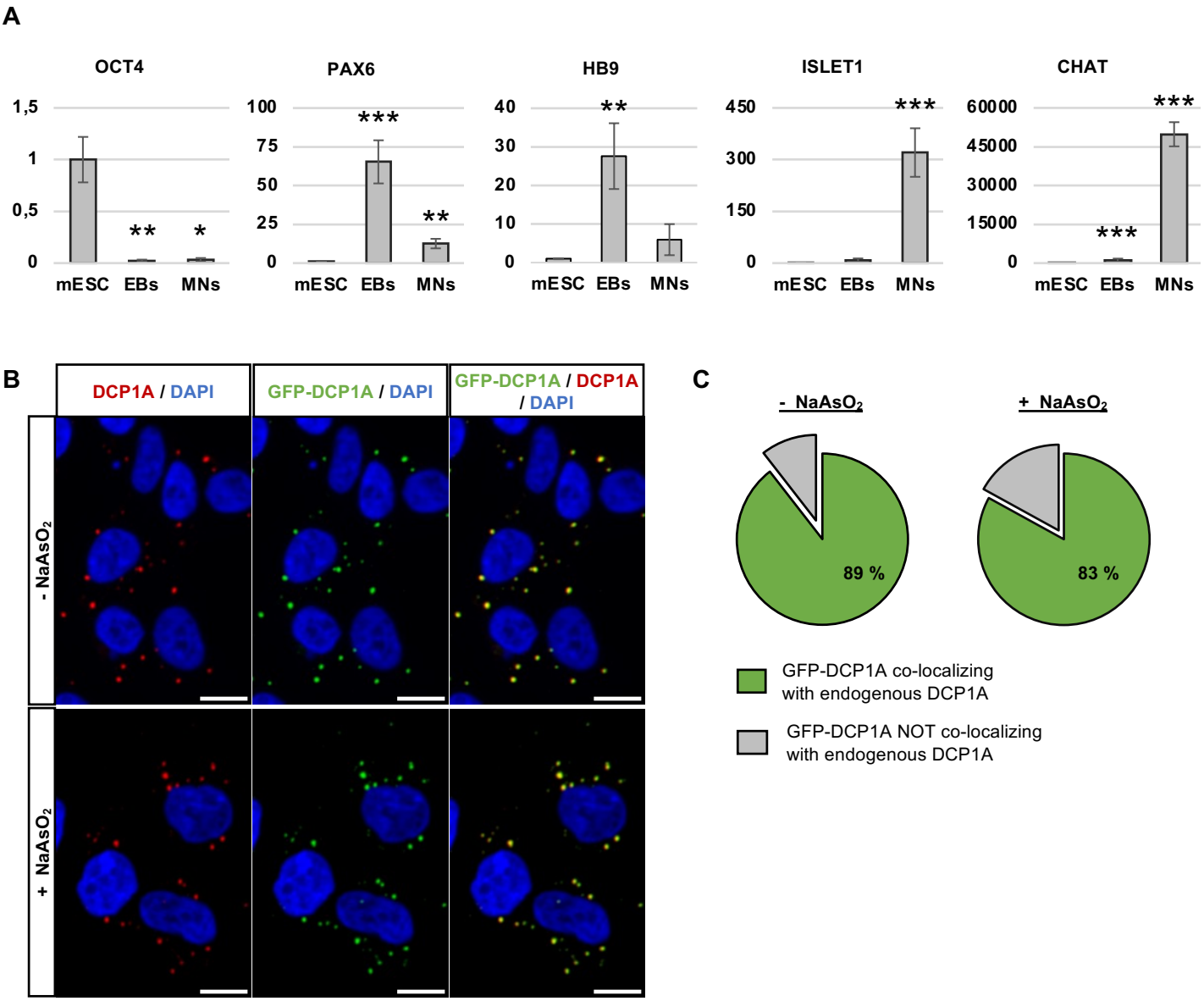

Supplementary Fig 2 - GFP-DCP1A co-localizes with endogenous p-bodies.

A Expression levels quantified through qPCR of staminality marker OCT4, differentiation marker PAX6, motor neuron commitment marker HB9, mature motor neuron markers ISLET1 and CHAT in mouse embryonic stem cells (mESC), embryo bodies (EBs) and fully differentiated motor neurons (MNs). ***p ≤ 0,001, **p ≤ 0,01 and *p ≤ 0,05 correspond to two tails unpaired Student's t-test (N=3) calculated on DCt of selected markers normalized on the reference gene ATP5O comparing expression in EBs or MNs with expression in mESCs.

B IF for the detection of endogenous (red) and exogenous (green) DCP1A in non-stressed (upper panel) or stressed (lower panel) HEK 293T. Nuclei stained with DAPI are shown in blue. Scale bars correspond to 10 µm.

C Pie charts representing GFP-DCP1A percentage of co-localization in non-stresses (left) or stresses (right) HEK 293T with endogenous DCP1A. Mean percentages from 3 independent biological replicates are shown (N_{-NaAsO_2} = 551 cells; N_{+NaAsO_2} = 492 cells).