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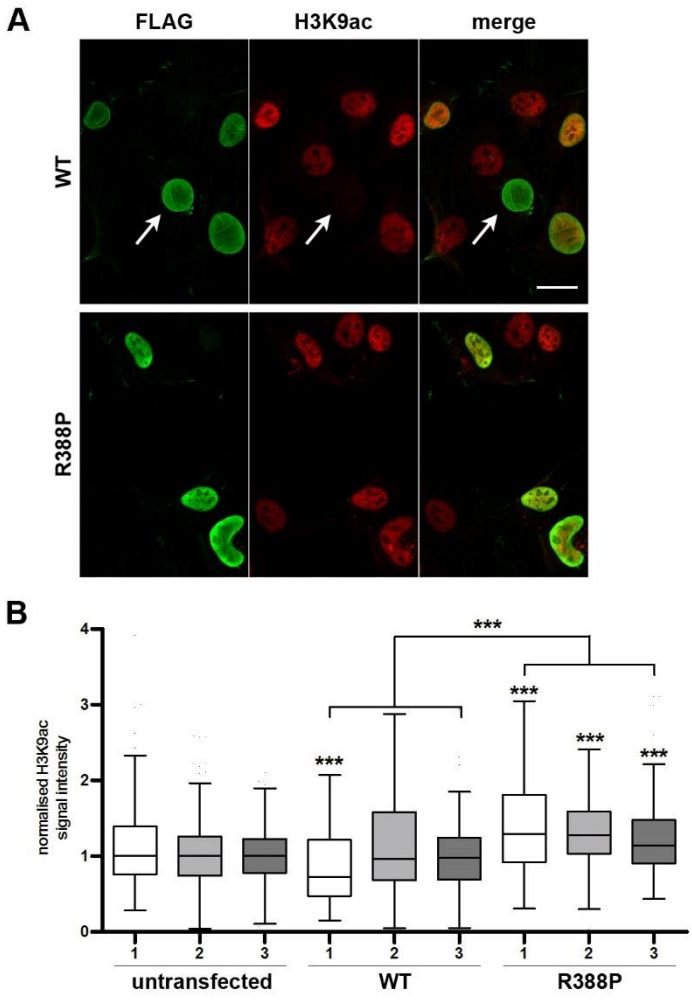
A novel lamin A mutant responsible for congenital muscular dystrophy causes distinct abnormalities of the cell nucleus



S3 Fig. Increased H3K9ac acetylation detection in cells expressing R388P FLAG-LA.
A) C2C12 cells overexpressing WT or R388P FLAG-LA were fixed and labelled with mouse anti-FLAG (green) and rabbit anti-H3K9ac (red) antibodies before observation under confocal microscopy. Arrows in A) indicate the absence of H3K9ac signal in cells overexpressing WT lamins A. Scale bar, 20 µm. **B)** The graph illustrates the H3K9ac median immunofluorescence signal intensity observed per nucleus of cells processed as in A) that express either WT or R388P-LA. Signals are normalised to the signal measured in untransfected cells for 3 independent experiments (1, 2, 3). Boxes show first and third quartiles, bars are put according to Tukey method for $n > 125$ nuclei per condition, *** $p < 0.001$ (Mann Whitney test).