

## File S3

### List of Antibodies Used for Immunofluorescence and Western Blot Analysis

Primary antibodies used for Immunofluorescence (IF) analysis were: rabbit anti BAF (dilution 1:40; sc-33787, SantaCruz Biotechnology, Inc), rabbit anti Calnexin (dilution 1:200; ab22595, Abcam, UK), rabbit anti FLAG (DDK) (dilution 1:300; F7425, Sigma-Aldrich, USA), rabbit anti HMGN5 (NSBP1) (dilution 1:200; orb11169, Biorbyt LLC, USA), rabbit anti-lamin A/C (dilution 1:400) [1], rabbit anti lamin B1(dilution 1:300) [1], rabbit anti-LAP2 $\alpha$  (dilution 1:300; IQ175, Immquest, UK), rabbit anti LAP2 $\beta$  (dilution 1:250; PA5-52519, ThermoFisher Scientific, USA), mouse anti DDK (FLAG) (dilution 1:600; TA50011, OriGene, USA), mouse anti emerin (dilution 1:30; 4G5, Novocastra Laboratories Ltd, UK) and mouse anti HA (dilution 1:150; H9658, Sigma-Aldrich, USA). Actin fibers were stained with Phalloidin conjugated to FITC (dilution 1:100; P5282, Sigma-Aldrich, USA). Secondary antibodies were Affinipure donkey anti-rabbit coupled to Cy2 (711-225-152) or DyLight 594 (711-515-152), and Affinipure donkey anti-mouse coupled to Cy2 (715-225-150) or DyLight 594 (715-515-150) (Jackson ImmunoResearch, Europe), diluted 1:100 to 1:200.

Primary antibodies used for immunoblotting (Ib) analysis were: rabbit anti-GAPDH (dilution 1:5000; G9545, Sigma-Aldrich, USA), rabbit anti HA (dilution 1:400; sc-805, SantaCruz Biotechnology, Inc), rabbit anti-LAP2 $\alpha$  (dilution 1:2000; IQ175, Immquest, UK), rabbit anti LAP2 $\beta$  (dilution 1:400; PA5-52519, ThermoFisher Scientific, USA), rabbit anti TMPO/LAP2 (Proteintech, Europe), rabbit anti Histone H4 (dilution 1:200; ab10158 Abcam, UK), mouse anti actin (dilution 1:5000; A3853, Sigma-Aldrich, USA), mouse anti DDK (dilution 1:2000; TA50011, OriGene, USA), mouse anti HA (dilution 1:500; H9658, Sigma-Aldrich, USA), mouse anti Tubulin (dilution 1:500; (4G1) sc-58666, SantaCruz Biotechnology, Inc). Secondary antibodies were goat anti-rabbit (W4011) and goat anti-mouse (W4021) coupled to horseradish peroxidase (Promega, France), diluted 1:1000 to 1:2000.

### Reference

1. Favreau C, Higuier D, Courvalin J-C, Buendia B. Expression of a mutant lamin A that causes Emery-Dreifuss muscular dystrophy inhibits in vitro differentiation of C2C12 myoblasts. *Mol Cell Biol.* **2004**, 24, 1481–1492.