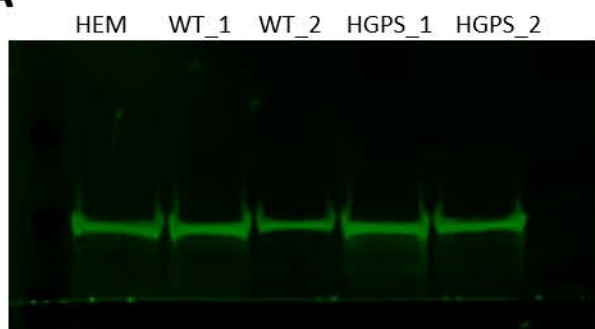
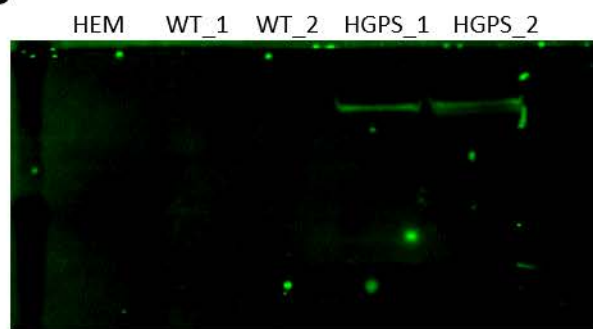
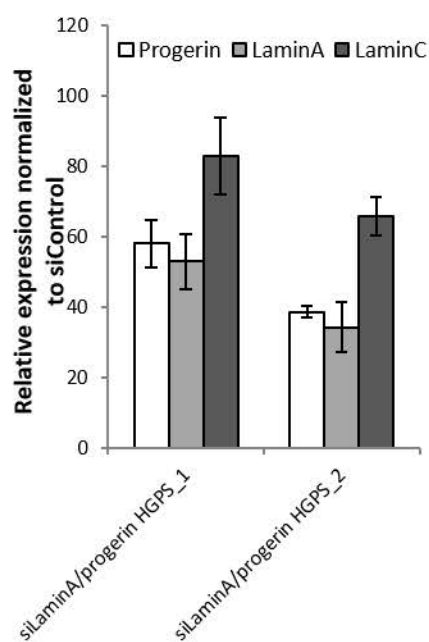
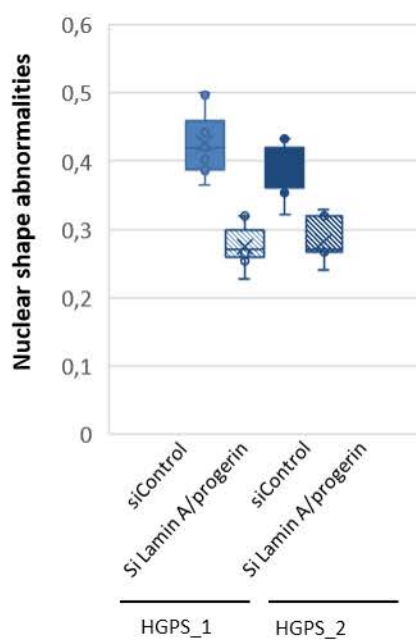
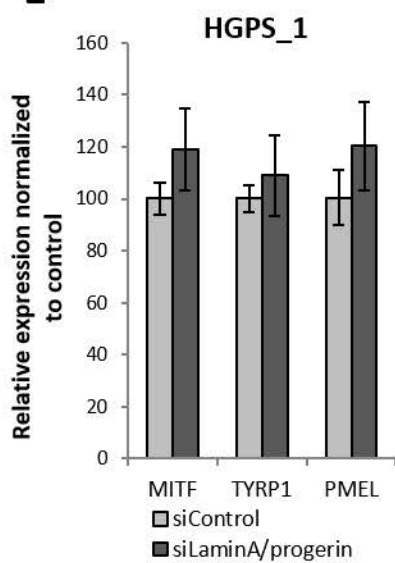
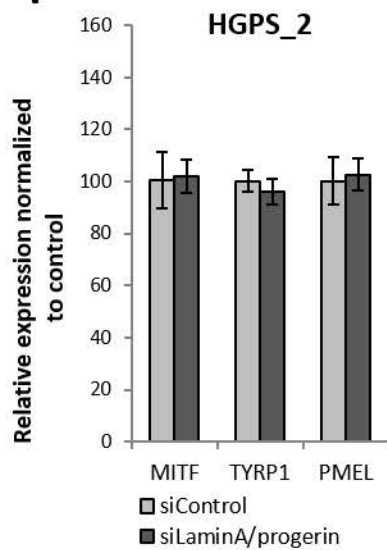


Supplementary information

Pathological modelling of pigmentation disorders associated with Hutchinson-Gilford Progeria Syndrome (HGPS) revealed an impaired melanogenesis pathway in iPS-derived melanocytes

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A**B****C****D****E****F**

SUPP FIGURE LEGEND

- A) Uncropped Actin blots corresponding to figure 2C
- B) Uncropped progerin blots corresponding to figure 2C
- C) Measurement of progerin, lamin A and lamin C expression in HGPS (HGPS_1 and HGPS_2) Mel-iPSC transfected with siLaminA/Progerin. Results were normalized to siControl.
- D) Analysis of nuclear shape abnormalities in HGPS (HGPS_1 and HGPS_2) Mel-iPSC transfected with siLaminA/Progerin. Results were normalized to siControl.
- E) Measurement of MITF, TYRP1 and PMEL17 in HGPS_1 Mel-iPSC transfected with siLaminA/Progerin. Results were normalized to siControl.
- F) Measurement of MITF, TYRP1 and PMEL17 in HGPS_2 Mel-iPSC transfected with siLaminA/Progerin. Results were normalized to siControl.