Electronic Supplementary Material (ESI) for Photochemical & Photobiological Sciences. This journal is © The Royal Society of Chemistry and Owner Societies 2016

- 1 Figure 1 suppl.- UV-Vis absorption spectra of capsanthin (a) and capsorubin (b). THF
- 2 was used as solvent in both cases.

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- 3 Figure 2 suppl.- Lutein (1) absorption by hdf after irradiation with UVB doses (a, 0
- 4 mJ/cm<sup>2</sup>; b, 100 mJ/cm<sup>2</sup>; c, 300 mJ/cm<sup>2</sup>). I.S., internal standard for quantification.