

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: The association summary statistics for the 10,834 genome-wide significant SNPs are provided as Supplementary Data 1.

File Name: Supplementary Data 2

Description: Genomic coordinates are reported in GRCh37.p13. The association summary statistics for the SNPs associated in the UKBB non-melanoma skin cancer GWAS ( $P < 1 \times 10^{-5}$ ) are provided as Supplementary Data 2.

File Name: Supplementary Data 3

Description: Genomic coordinates are reported in GRCh37.p13. The ciseQTLs identified in the three studied skin tissues, and available within the GTEx project, are provided as Supplementary Data 3.