

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Bivariate genetic correlation for the phenotypes included in MTAG model.

File Name: Supplementary Data 2

Description: Traits that were excluded from the MTAG analysis.

File Name: Supplementary Data 3

Description: The genetically correlated phenotypes that were included in the MTAG analysis.

File Name: Supplementary Data 4

Description: Basal cell carcinoma loci from the MTAG analysis.

File Name: Supplementary Data 5

Description: Squamous cell carcinoma loci from the MTAG analysis.

File Name: Supplementary Data 6

Description: Single nucleotide polymorphisms included in the polygenic risk score derived from basal cell carcinoma single trait GWAS.

File Name: Supplementary Data 7

Description: Single nucleotide polymorphisms included in the polygenic risk score derived from basal cell carcinoma MTAG analysis.

File Name: Supplementary Data 8

Description: Shared SNPs between the MTAG and the SINGLE BCC PRS based on the nearest gene.