

**Table S1. Single nucleotide polymorphisms (SNPs)<sup>a</sup> in the genetic risk score (GRS)**

<b>Region</b>	<b>SNP</b>	<b>Nearest Gene(s)</b>	<b>Reference(s)</b>
2p22.3	rs192481803	<i>AC012593.1</i>	Chahal et al 2016
3p13	rs62246017	<i>FOXP1</i>	Asgari et al 2016
3q28	rs6791479	<i>TPRG1/TP63<sup>b</sup></i>	Asgari et al 2016
5p13.2	rs16891982	<i>SLC45A2</i>	Asgari et al 2016
6p25.3	rs12203592	<i>IRF4</i>	Asgari et al 2016; Chahal et al 2016
6p21	rs4455710	<i>HLA-DQA1</i>	Asgari et al 2016
7p21.1	rs117132860	<i>AGR3/AHR<sup>b</sup></i>	Chahal et al 2016
9p22.2	rs74664507	<i>BNC2/CNTLN<sup>b</sup></i>	Asgari et al 2016
9q34.3	rs57994353	<i>SEC16A</i>	Chahal et al 2016
11q23.3	rs74899442	<i>CADM1/BUD13<sup>b</sup></i>	Chahal et al 2016
11q14.3	rs1126809	<i>TYR</i>	Asgari et al 2016; Chahal et al 2016
15q13.1	rs12916300	<i>HERC2</i>	Asgari et al 2016
15q13.1	rs1800407	<i>OCA2</i>	Chahal et al 2016
16q24.3	rs4268748	<i>DEF8</i>	Asgari et al 2016
16q24.3	rs1805007	<i>MC1R</i>	Chahal et al 2016
20q11.22	rs6059655	<i>RALY</i>	Asgari et al 2016; Chahal et al 2016

a) from genome-wide association studies of cSCC risk

b) two flanking genes of an inter-genic SNP