

ESM Table 1. Quality control of the participants in stage 1.

	<u>HK 1</u>		<u>HK 2</u>			<u>SH</u>		
	<u>Controls</u>	<u>Cases</u>	<u>Controls</u>	<u>Cases</u>	<u>Cases</u>	<u>Controls</u>	<u>Cases</u>	
			Epilepsy	Eczema	Non-hypertension			
Number of subject before QC	102	100	457	111	100	400	200	200
Exclusion criteria:								
duplicate	0	0	0	0	0	0	0	0
Relatedness	2	0	0	0	0	2	0	0
gender problem	1	1	7	1	0	8	3	3
overall call rate <0.98	0	0	0	0	0	0	2	1
problem of population stratification	0	0	0	0	1	2	0	0
missing phenotype data	0	0	0	0	0	0	0	0
Number of subject after QC	99	99	450	110	99	388	197	197