

Supplementary Table 1. The filtered WES variants for 40 AD cases vs. 43 KPGP control individuals

Filter system	Model analysis			
	Filter process	Dominant	Recessive	Compound hetero
Filter step				
Filter 1	Raw	249,173	250,479	289,575
Filter 2	EFFECT	33,933	34,282	40,964
Filter 3	SIFT, Polyphen2	15,445	15,667	19,628
Filter 4	PhyloP, PhastCons	11,020	11,243	14,371
Filter 5	1000 Genome	7,446	7,639	10,710
Filter 6	Korean	6,813	7,006	10,702

Values are presented as number. WES: whole-exome sequencing, AD: atopic dermatitis, KPGP: Korean Personal Genome Project.