

Supplementary Table 1 association of rs34331204 variant with AD risk in different datasets

SNP	EA	NEA	EAF	Beta	SE	<i>P</i> value	Phenotype
rs34331204	C	A	-	0.0186	0.0271	0.492	AD (Kunkle <i>et al.</i> , 2019a)
rs34331204	C	A	-	-0.0042	0.0123	0.732	Maternal history of AD (Marioni <i>et al.</i> , 2018)
rs34331204	C	A	-	0.0335	0.0168	0.046	Paternal history of AD (Marioni <i>et al.</i> , 2018)

EA, effect allele; NEA, non-effect allele; EAF, effect allele frequency; Beta is the regression coefficient based on the effect allele. Beta > 0 and Beta < 0 means that this effect allele increase and reduce disease or phenotype, respectively. The threshold of statistical significance for association analysis was $P < 0.05$.