

Supplementary material

Supplementary Table 1 - SNPs found associated with LOAD by GWAS assessing >1500 cases and >1500 controls

Locus	SNP	GWAS						Function class	Regulatory region	CpG Island
		Harold et al., 2009	Lambert et al., 2009	Corneveaux et al., 2010	Hollingworth et al., 2011	Hu et al., 2011	Naj et al., 2011			
CR1	rs6701713	☐					☐		intron	
	rs1408077	☐							intron	
	<b>rs3818361</b>	☐	☐		☐				intron	
	<b>rs6656401</b>		☐	☐					intron	
BIN1	<b>rs744373</b>				☐	☐		☐	locus region (5' of BIN1)	
	rs7561528					☐	☐		locus region (5' of BIN1)	

	rs12989701					□			locus region (5' of BIN1)		
PICALM	rs561655	□						□	locus region (5' of PICALM)		
	<b>rs541458</b>	□	□	□					locus region (5' of PICALM)		
	rs592297	□							coding synonymous (Q174Q)	Yes	
	rs3851179	□						□	locus region (5' of PICALM)		
MS4A4A	<b>rs4938933</b>				□		□	locus region (5' of MS4A4A)			
MS4A4E	<b>rs670139</b>				□		□	locus region			

									(3' of MS4A4E)		
MS4A6A	<b>rs610932</b>				□				mrna-utr		
ABCA7	<b>rs3752246</b>				□		□		coding non-synonymous G1527A	Yes	
	<b>rs3764650</b>				□		□		intron		Yes
CLU	rs11136000	□	□	□				□	intron		
	rs1532278							□	intron		
CD2AP	rs9349407				□			□	intron		
EPHA1	rs11767557				□			□	locus region (5' of EPHA1)		
CD33	rs3865444				□			□	locus region		

In bold are represented the SNPs used in the present study to assess the LD with common coding variability in the respective genes.