Table S1. Previous studies relating *TLR4* polymorphisms to AD risk

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| Reference | Population,n(case:control) | Outcome | SNP (w.t./variant) | ResultsOR (95% CI) | Limitations |
| Minoretti et al., 2006. | Italian,(277:300) | LOAD | Asp299Gly\* | (Asp/Gly + Gly/Gly) vs. Asp/Asp: **0.37(0.20-0.69)** | Italian only; one SNP only. |
| Balistreri et al., 2008. | Italian,(626:190) | AD | Asp299Gly\* | Asp/Asp vs. (Asp/Gly + Asp/Gly): **1.4** (**1.03-3.52)** | Italian only;one SNP only. |
| Wang et al., 2011. | Chinese,(137:137) | LOAD | *TLR4*/11367 (G/C) | CC vs. GC+GG: **8.79 (3.31-23.36)**CC+GC vs. GG: (**3.08**, **1.60-5.93)** | Chinese only;one SNP only ;small sample size. |

Abbreviations: LOAD, late-onset Alzheimer's disease; OR, odds ratio; CI, confidence interval; SNP, single nucleotide polymorphism; w.t., wild type.

\*rs4986790 (A/G) is equivalent to Asp299Gly.