Web Table 1. List of 30 *APOE* studies published in the literature with reported P values and calculated χ^2 values

Study	Reported result	χ^2
Klaver et al., Genetic association of apolipoprotein E with age-related macular degeneration. Am J Hum Genet 1998;63:200–6.	P = 0.087	6.57
Souied et al., The epsilon4 allele of the apolipoprotein E gene as a potential protective factor for exudative age-related macular degeneration. Am J Ophthalmol 1998;125:353–9.	P = 0.673	1.54
Schmidt et al., Association of the apolipoprotein E gene with age-related macular degeneration: possible effect modification by family history, age, and gender. Mol Vis 2000;6:287–93.	P = 0.594	1.90
Simonelli et al., Apolipoprotein E polymorphisms in age-related macular degeneration in an Italian population. Ophthalmic Res 2001;33:325–8.	P = 0.001	16.27
Schmidt et al., A pooled case-control study of the apolipoprotein E (APOE) gene in age-related maculopathy. Ophthalmic Genet 2002;23:209–23.	P = 0.856	0.77
Schultz et al., Lack of an association of apolipoprotein E gene polymorphisms with familial age-related macular degeneration. Arch Ophthalmol 2003; 121:679–83.	P = 0.716	1.36
Baird et al. The epsilon2 and epsilon4 alleles of the apolipoprotein gene are associated with gerelated macular degeneration. Invest Ophthalmol Vis Sci 2004;45:1311–15.	P = 0.143	5.43
Zareparsi et al. Association of apolipoprotein E alleles with susceptibility to age-related macular degeneration in a large cohort from a single center. Invest Ophthalmol Vis Sci 2004;45:1306–10.	P = 0.053	7.68
Gotoh et al. Apolipoprotein E polymorphisms in Japanese patients with polypoidal choroidal vasculopathy and exudative age-related macular degeneration. Am J Ophthalmol 2004;138:567–73.	P = 0.352	3.27
Pang et al. The apolipoprotein E epsilon4 allele is unlikely to be a major risk factor of agerelated macular degeneration in Chinese. Ophthalmologica 2000;214:289–91.	P = 0.799	1.01
Bettencourtet al., Polymorphism of the APOE Locus in the Azores Islands (Portugal) *Human Biology* 78.4 (2006) 509-512	P = 0.9290	0.45
Gene et al., Low Apolipoprotein E ε4 Allele Frequency in the Population of Catalonia (Spain) Determined by PCR-RFLP and Laser Fluorescent Sequencer *European Journal of Epidemiology*, Vol. 13, No. 7. (Oct., 1997), pp. 841-843	χ^2 = 0.374	0.37
Martin et al., SNPing Away at Complex Diseases: Analysis of Single-Nucleotide Polymorphisms around *APOE* in Alzheimer Disease. *Am. J. Hum. Genet. 67:383–394, 2000*	P = 0.69	1.47
Nikolaos et al., Lower prevalence of epsilon 4 allele of apolipoprotein E gene in healthy, longer-lived individuals of hellenic origin. The Journals of gerontology. Series A, Biological sciences and medical sciences 2006, vol. 61, no12, pp. 1228-1231	χ^2 = 5.93	5.93

Gerdes et al., Apolipoprotein E polymorphism in a Danish population compared to findings in 45 other study populations around the world. Genetic Epidemiology Volume 9, Issue 3, Pages 155 - 167	$\chi^2 = 9.68$	9.68
Jiang et al., Effect of APOE polymorphisms on early responses to traumatic brain injury. Neuroscience Letters 408 (2006) 155–158	$\chi^2 = 1.25$	1.25
Abdollahi et al., Integrated Single-Label Liquid-Phase Assay of APOE Codons 112 and 158 and a Lipoprotein Study in British Women. Clinical Chemistry 52, No. 7, 2006 1420 - 1423	$\chi^2 = 5.72$	5.72
Stakias et al., Lower prevalence of epsilon 4 allele of apolipoprotein E gene in healthy, longer-lived individuals of Hellenic origin. J Gerontol A Biol Sci Med Sci. 2006 Dec;61(12):1228-31	$\chi^2 = 5.93$	5.93
Blanché et al., A study of French centenarians: are ACE and APOE associated with longevity. Comptes Rendus de l'Académie des Sciences - Series III - Sciences de la Vie 324, 2, 2001, 129-135	P = 0.28	3.83
Kokubo et al., Age-dependent association of apolipoprotein E genotypes with stroke subtypes in a Japanese rural population. Stroke. 2000 Jun;31(6):1299-306	$\chi^2 = 34.85$	34.85
Luthra et al., Apolipoprotein E gene polymorphism in cerebrovascular disease: a case-control study. Clin Genet. 2002 Jul;62(1):39-44.	$\chi^2 = 21.44$	21.44
Um et al., Polymorphism of angiotensin-converting enzyme, angiotensinogen, and apolipoprotein E genes in Korean patients with cerebral infarction. J Mol Neurosci. 2003;21(1):23-8.	$\chi^2 = 14.09$	14.09
Jin et al., Association of apolipoprotein E 4 polymorphism with cerebral infarction in Chinese Han population. Acta Pharmacol Sin. 2004 Mar;25(3):352-6	$\chi^2 = 4.68$	4.68
Lin et al., Apolipoprotein E polymorphism in ischemic cerebrovascular diseases and vascular dementia patients in Taiwan. Neuroepidemiology. 2004 May-Jun;23(3):129-34	$\chi^2 = 25.88$	25.88
Gao X, Yang H, ZhiPing T (2006) Association studies of genetic polymorphism, environmental factors and their interaction in ischemic stroke. Neurosci Lett 398:172–177	$\chi^2 = 0.97$	0.97
Yen et al., A positive relationship between Apo ε2 allele and high-density lipoprotein cholesterol. Nutrition Research Volume 26, Issue 9, September 2006, Pages 443-449	$\chi^2 = 4.83$	4.83
Pardo Silva et al., Apolipoprotein E gene is related to mortality only in normal weight individuals: The Rotterdam study. Eur J Epidemiol. 2008 February; 23(2): 135–142.	P = 0.71	1.38
Laws et al., APOE-ε4 and APOE -491A polymorphisms in individuals with subjective memory loss. Molecular Psychiatry 2002, Volume 7, Number 7, Pages 768-775	P = 0.79	1.05
Tai et al., Human apolipoprotein E: correlation of polymorphisms and serum lipid concentrations in Chinese. Zhonghua Yi Xue Za Zhi (Taipei). 1999 Mar;62(3):133-9	P = 0.42	2.82
Kaushal et al., Subarachnoid hemorrhage: tests of association with apolipoprotein E and elastin genes. *BMC Medical Genetics* 2007, **8:**49	$\chi^2 = 4.41$	4.41