Supplementary Figure 1. Overview of literature searches and flow chart for studies in “data freeze” used for all analyses presented in this study.

Legend to Supplementary Figure 1.

a) Initial PubMed search using keywords “alzheimer* AND (genet* OR associat*)” for papers published until 12/31/04 retrieved ca. 19,000 articles, of which 685 fulfilled AlzGene inclusion criteria.

b) Following the initial search were daily PubMed searches using the keyword “alzheimer*”. Papers published until 12/1/05 were included in the data freeze and analyzed in this study (n = 789).

c) Current (as of 8/15/06) total number of studies included in AlzGene. Daily searches for publications between 12/2/05 and 8/15/06 retrieved 96 additional studies, which were added to the online version of the AlzGene database (http://www.alzgene.org), but not included in the analyses for the data freeze.

d) The number of “positive” and “negative” genes does not add to the total number of genes because three genes (APOE, IDE, MTHFR) had variants showing both “positive” and “negative” results in the meta-analyses (e.g. in APOE where three variants [rs405509, rs440446, and rs449647] showed significant summary ORs, while one variant [rs769446] did not).
Supplementary Figure 1.

Studies meeting AlzGene inclusion criteria

12/31/2004
Initial search
(n = 19,000 studies)

n = 685

12/1/2005
Daily searches
(n = 4,500 studies)

n = 789

8/15/2006
Daily searches
(n = 3,200 studies)

n = 875

“Data freeze”
(n = 789 studies)

Genotype data available in ≥3 case-controls samples?

yes

Bi- or tri-allelic marker?

yes

META-ANALYSIS

“pos”

polyS: 24
 genes: 15\textsuperscript{d}

“neg”

polyS: 103
 genes: 57\textsuperscript{d}

polyS: 802
 genes: 277

polyS: 130
 genes: 70

polyS: 127
 genes: 69