

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Reitz C, Mayeux R. *TREM2* and neurodegenerative disease. *N Engl J Med* 2013;369:1564-70. DOI: 10.1056/NEJMc1306509

Table of Content

1. Alzheimer's Disease Genetics Consortium Collaborators and Affiliations	pp. 2-8
2. Supplementary Data	pp. 9-12

Alzheimer's Disease Genetics Consortium Collaborators and Affiliations

Marilyn S Albert,¹ Roger L Albin,^{2,3} Liana G Apostolova,⁴ Steven E Arnold,⁵ Clinton T Baldwin,¹⁰¹ Robert Barber,⁶ Michael M Barmada,⁷ Lisa L Barnes,^{89,102} Thomas G Beach,⁸ Gary W Beecham,^{9,10} Duane Beekly,¹¹ David A Bennett,^{89,103} Eileen H Bigio,¹² Thomas D Bird,¹³ Deborah Blacker,^{14,15} Bradley F Boeve,¹⁶ James D Bowen,¹⁷ Adam Boxer,¹⁸ James R Burke,¹⁹ Joseph D Buxbaum,^{20,21,104,105} Goldie S. Byrd,¹⁰⁶ Guiqing Cai,^{20,21} Nigel J Cairns,²² Laura B Cantwell,⁹² Chuanhai Cao,²³ Chris S Carlson,²⁴ Regina M Carney,²⁵ Steven L Carroll,²⁶ Helena C Chui,²⁷ David G Clark,²⁸ Paul K Crane,²⁹ David H Cribbs,³⁰ Elizabeth A Crocco,³¹ Carlos Cruchaga,³² Charles DeCarli,³³ Steven T DeKosky,³⁴ F. Yesim Demirci,⁷ Malcolm Dick,³⁵ Nilufer Ertekin-Taner,^{16,100} Denis Evans,¹⁰⁷ Kelley M Faber,³⁶ M. Daniele Fallin,¹⁰⁸ Kenneth B Fallon,²⁶ Lindsay A Farrer,^{62,101,109,110,111} Martin R Farlow,³⁷ Steven Ferris,³⁸ Matthew P Frosch,³⁹ Tatiana M Foroud,³⁶ Douglas R Galasko,⁴⁰ Mary Ganguli,⁴¹ Marla Gearing,^{42,43} Daniel H Geschwind,⁴⁴ Bernardino Ghetti,⁴⁵ John R Gilbert,^{9,10} Sid Gilman,² Jonathan D Glass,⁴⁶ Rodney CP Go,¹¹² Alison M Goate,³² Neill R Graff-Radford,^{16,100} Robert C Green,¹¹³ Patrick Griffith,¹¹⁴ John H Growdon,⁴⁷ Jonathan L Haines,¹¹⁵ Hakon Hakonarson,⁴⁸ Kathleen Hall,¹¹⁶ Ronald L Hamilton,⁴⁹ Kara L Hamilton-Nelson,⁹ Vahram Haroutunian,^{20,21,50} Lindy E Harrell,²⁸ Elizabeth Head,⁵¹ Hugh Hendrie,^{116,117,118} Lawrence S Honig,⁵² Christine M Hulette,⁵³ Bradley T Hyman,⁴⁷ Philip L De Jager,^{119,120,121} Gail P Jarvik,^{54,55} Gregory A Jicha,⁵⁶ Lee-Way Jin,⁵⁷ Gyungah Jun,^{101,109,110} M. Ilyas Kamboh,^{7,122} Anna Karydas,¹⁸ John SK Kauwe,⁵⁸ Jeffrey A Kaye,^{59,60} Ronald Kim,⁶¹ Edward H Koo,⁴⁰ Neil W Kowall,^{62,63} Joel H Kramer,⁶⁴ Patricia Kramer,^{59,65} Walter A Kukull,¹²³ Frank M LaFerla,⁶⁶ James J Lah,⁴⁶ Rosalyn Lang-Walker,⁶⁷ Eric B Larson,^{29,124} James B Leverenz,⁶⁸ Allan I Levey,⁴⁶ Ge Li,⁶⁹ Andrew P Lieberman,⁷⁰ Chiao-Feng Lin,⁹² Mark Logue,¹⁰¹ Oscar L. Lopez,¹²² Kathryn L Lunetta,¹⁰⁹ Constantine G Lyketsos,⁷¹ Wendy J Mack,⁷² Jennifer J Manly,^{125,126} Daniel C Marson,²⁸ Eden R Martin,^{9,10} Frank Martiniuk,⁷³ Deborah C Mash,⁷⁴ Eliezer Masliah,^{40,75} Wayne C McCormick,²⁹ Susan M McCurry,⁷⁶ Andrew N McDavid,²⁴ Ann C McKee,^{62,63} Marsel Mesulam,⁷⁷ Bruce L Miller,¹⁸ Carol A Miller,⁷⁸ Joshua W Miller,⁵⁷ Thomas J Montine,⁶⁸ John C

Morris,^{22,79} Jill R Murrell,³⁶ Adam Naj,^{9,92} Thomas O. Obisesan,¹²⁷ John M Olichney,³³ Joseph E Parisi,^{80,81} Margaret A Pericak-Vance,⁹ Elaine Peskind,⁶⁹ Ronald C Petersen,¹⁶ Aimee Pierce,³⁰ Wayne W Poon,³⁵ Huntington Potter,²³ Joseph F Quinn,⁵⁹ Ashok Raj,²³ Towfique Raj,¹²⁰ Ruchita Rajbhandary,⁹ Murray Raskind,⁶⁹ Eric M Reiman,⁸²⁻⁸⁵ Barry Reisberg,^{38,86} John M Ringman,⁴ Erik D Roberson,²⁸ Howard J Rosen,¹⁸ Roger N Rosenberg,⁸⁷ Mary Sano,²⁰ Andrew J Saykin,^{36,88} Gerard D Schellenberg,⁹² Julie A Schneider,^{89,90} Lon S Schneider,^{27,91} William W Seeley,¹⁸ Amanda G Smith,²³ Joshua A Sonnen,⁶⁸ Salvatore Spina,⁴⁵ Robert A Stern,⁶² Rudolph E Tanzi,⁴⁷ John Q Trojanowski,⁹² Juan C Troncoso,⁹³ Debby W Tsuang,⁶⁹ Vivianna M Van Deerlin,⁹² Linda J Van Eldik,⁹⁴ Badri Narayan Vardarajan,^{101,109,125,126} Harry V Vinters,^{4,95} Jean Paul Vonsattel,⁹⁶ Otto Valladares,⁹² Li-San Wang,⁹² Sandra Weintraub,⁷⁷ Kathleen A Welsh-Bohmer,^{19,97} Jennifer Williamson,⁵² Randall L Woltjer,⁹⁸ Clinton B Wright,⁹⁹ Steven G Younkin,¹⁰⁰ Chang-En Yu²⁹ and Lei Yu⁸⁹

¹Johns Hopkins University, Department of Neurology, Baltimore, Maryland ²University of Michigan, Department of Neurology, Ann Arbor, Michigan ³VA Ann Arbor Healthcare System (VAAHS), Geriatric Research, Education and Clinical Center (GRECC), Ann Arbor, Michigan ⁴University of California Los Angeles, Department of Neurology, Los Angeles, California ⁵University of Pennsylvania Perelman School of Medicine, Department of Psychiatry, Philadelphia, Pennsylvania ⁶University of North Texas Health Science Center, Department of Pharmacology and Neuroscience, Fort Worth, Texas ⁷University of Pittsburgh, Department of Human Genetics, Pittsburgh, Pennsylvania ⁸Banner Sun Health Research Institute, Civin Laboratory for Neuropathology, Phoenix, Arizona ⁹University of Miami, The John P. Hussman Institute for Human Genomics, Miami, Florida ¹⁰University of Miami, Dr. John T. Macdonald Foundation Department of Human Genetics, Miami, Florida ¹¹University of Washington, National Alzheimer's Coordinating Center, Seattle, Washington ¹²Northwestern University, Department of Pathology, Chicago, Illinois ¹³University of Washington, Department of Neurology, Seattle,

Washington ¹⁴Harvard School of Public Health, Department of Epidemiology, Boston, Massachusetts ¹⁵Massachusetts General Hospital/Harvard Medical School, Department of Psychiatry, Boston, Massachusetts ¹⁶Mayo Clinic, Department of Neurology, Rochester, Minnesota ¹⁷Swedish Medical Center, Seattle, Washington ¹⁸University of California San Francisco, Department of Neurology, San Francisco, California ¹⁹Duke University, Department of Medicine, Durham, North Carolina ²⁰Mount Sinai School of Medicine, Department of Psychiatry, New York, New York ²¹Mount Sinai School of Medicine, Department of Genetics and Genomics Sciences, New York, New York ²²Washington University, Department of Pathology and Immunology, St. Louis, Missouri ²³University of South Florida, USF Health Byrd Alzheimer's Institute, Tampa, Florida ²⁴Fred Hutchinson Cancer Research Center, Seattle, Washington ²⁵Vanderbilt University, Department of Psychiatry, Nashville, Tennessee ²⁶University of Alabama at Birmingham, Department of Pathology, Birmingham, Alabama ²⁷University of Southern California, Department of Neurology, Los Angeles, California ²⁸University of Alabama at Birmingham, Department of Neurology, Birmingham, Alabama ²⁹University of Washington, Department of Medicine, Seattle, Washington ³⁰University of California Irvine, Department of Neurology, Irvine, California ³¹University of Miami, Department of Psychiatry and Behavioral Sciences, Miller School of Medicine, Miami, Florida ³²Washington University School of Medicine, Department of Psychiatry and Hope Center Program on Protein Aggregation and Neurodegeneration, St. Louis, Missouri ³³University of California Davis, Department of Neurology, Sacramento, California ³⁴University of Virginia School of Medicine, Charlottesville, Virginia ³⁵University of California Irvine, Institute for Memory Impairments and Neurological Disorders, Irvine, California ³⁶Indiana University, Department of Medical and Molecular Genetics, Indianapolis, Indiana ³⁷Indiana University, Department of Neurology, Indianapolis, Indiana ³⁸New York University, Department of Psychiatry, New York, New York ³⁹Massachusetts General Hospital, C.S. Kubik Laboratory for Neuropathology, Charlestown, Massachusetts ⁴⁰University of California San Diego, Department of Neurosciences, La Jolla, California

⁴¹University of Pittsburgh, Department of Psychiatry, Pittsburgh, Pennsylvania ⁴²Emory University, Department of Pathology and Laboratory Medicine, Atlanta, Georgia ⁴³Emory University, Emory Alzheimer's Disease Center, Atlanta, Georgia ⁴⁴University of California Los Angeles, Neurogenetics Program, Los Angeles, California ⁴⁵Indiana University, Department of Pathology and Laboratory Medicine, Indianapolis, Indiana ⁴⁶Emory University, Department of Neurology, Atlanta, Georgia ⁴⁷Massachusetts General Hospital/Harvard Medical School, Department of Neurology, Boston, Massachusetts ⁴⁸Children's Hospital of Philadelphia, Center for Applied Genomics, Philadelphia, Pennsylvania ⁴⁹University of Pittsburgh, Department of Pathology (Neuropathology), Pittsburgh, Pennsylvania ⁵⁰Mount Sinai School of Medicine, Friedman Brain Institute, New York, New York ⁵¹University of Kentucky, Sanders-Brown Center on Aging, Department of Molecular and Biomedical Pharmacology, Lexington, Kentucky ⁵²Columbia University, Taub Institute on Alzheimer's Disease and the Aging Brain, Department of Neurology, New York, New York ⁵³Duke University, Department of Pathology, Durham, North Carolina ⁵⁴University of Washington, Department of Genome Sciences, Seattle, Washington ⁵⁵University of Washington, Department of Medicine (Medical Genetics), Seattle, Washington ⁵⁶University of Kentucky, Sanders-Brown Center on Aging, Departments of Neurology, Lexington, Kentucky ⁵⁷University of California Davis, Department of Pathology and Laboratory Medicine, Sacramento, California ⁵⁸Brigham Young University, Department of Biology, Provo, Utah ⁵⁹Oregon Health & Science University, Department of Neurology, Portland, Oregon ⁶⁰Portland Veterans Affairs Medical Center, Department of Neurology, Portland, Oregon ⁶¹University of California Irvine, Department of Pathology and Laboratory Medicine, Irvine, California ⁶²Boston University, Department of Neurology, Boston, Massachusetts ⁶³Boston University, Department of Pathology, Boston, Massachusetts ⁶⁴University of California San Francisco, Department of Neuropsychology, San Francisco, California ⁶⁵Oregon Health & Science University, Department of Molecular & Medical Genetics, Portland, Oregon ⁶⁶University of California Irvine, Department of Neurobiology and Behavior, Irvine, California ⁶⁷North Carolina

A&T State University, Department of Biology, Greensboro, North Carolina ⁶⁸University of Washington, Department of Pathology, Seattle, Washington ⁶⁹University of Washington, Department of Psychiatry and Behavioral Sciences, Seattle, Washington ⁷⁰University of Michigan, Department of Pathology, Ann Arbor, Michigan ⁷¹Johns Hopkins University, Department of Psychiatry, Baltimore, Maryland ⁷²University of Southern California, Department of Preventive Medicine, Los Angeles, California ⁷³New York University, Department of Medicine - Pulmonary, New York, New York ⁷⁴University of Miami, Department of Neurology, Miami, Florida ⁷⁵University of California San Diego, Department of Pathology, La Jolla, California ⁷⁶University of Washington, School of Nursing Northwest Research Group on Aging, Seattle, Washington ⁷⁷Northwestern University, Cognitive Neurology and Alzheimer's Disease Center, Chicago, Illinois ⁷⁸University of Southern California, Department of Pathology, Los Angeles, California ⁷⁹Washington University, Department of Neurology, St. Louis, Missouri ⁸⁰Mayo Clinic, Department of Anatomic Pathology, Rochester, Minnesota ⁸¹Mayo Clinic, Department of Laboratory Medicine and Pathology, Rochester, Minnesota ⁸²Translational Genomics Research Institute, Neurogenomics Division, Phoenix, Arizona ⁸³Arizona Alzheimer's Consortium, Phoenix, Arizona ⁸⁴Banner Alzheimer's Institute, Phoenix, Arizona ⁸⁵University of Arizona, Department of Psychiatry, Phoenix, Arizona ⁸⁶New York University, Alzheimer's Disease Center, New York, New York ⁸⁷University of Texas Southwestern, Department of Neurology, Dallas, Texas ⁸⁸Indiana University, Department of Radiology and Imaging Sciences, Indianapolis, Indiana ⁸⁹Rush University Medical Center, Department of Neurological Sciences, Chicago, Illinois ⁹⁰Rush University Medical Center, Department of Pathology (Neuropathology), Chicago, Illinois ⁹¹University of Southern California, Department of Psychiatry, Los Angeles, California ⁹²University of Pennsylvania Perelman School of Medicine, Department of Pathology and Laboratory Medicine, Philadelphia, Pennsylvania ⁹³Johns Hopkins University, Department of Pathology, Baltimore, Maryland ⁹⁴University of Kentucky, Sanders-Brown Center on Aging, Department of Anatomy and Neurobiology, Lexington, Kentucky ⁹⁵University of California Los

Angeles, Department of Pathology & Laboratory Medicine, Los Angeles, California ⁹⁶Columbia University, Taub Institute on Alzheimer's Disease and the Aging Brain, Department of Pathology, New York, New York ⁹⁷Duke University, Department of Psychiatry & Behavioral Sciences, Durham, North Carolina ⁹⁸Oregon Health & Science University, Department of Pathology, Portland, Oregon ⁹⁹University of Miami, Evelyn F. McKnight Brain Institute, Department of Neurology, Miller School of Medicine, Miami, Florida ¹⁰⁰Mayo Clinic, Department of Neuroscience, Jacksonville, Florida ¹⁰¹Boston University, Department of Medicine (Genetics Program), Boston, Massachusetts ¹⁰²Rush University Medical Center, Department of Behavioral Sciences, Chicago, Illinois ¹⁰³Rush University Medical Center, Rush Alzheimer's Disease Center, Chicago, Illinois ¹⁰⁴Mount Sinai School of Medicine, Department of Neuroscience, New York, New York ¹⁰⁵Mount Sinai School of Medicine, Friedman Brain Institute, New York, New York ¹⁰⁶North Carolina A & T University, Department of Biology, Winston-Salem, North Carolina ¹⁰⁷Rush University Medical Center, Rush Institute for Healthy Aging, Department of Internal Medicine, Chicago, Illinois ¹⁰⁸Johns Hopkins University School of Public Health, Department of Epidemiology, Baltimore, Maryland ¹⁰⁹Boston University, Department of Biostatistics, Boston, Massachusetts ¹¹⁰Boston University, Department of Ophthalmology, Boston, Massachusetts ¹¹¹Boston University, Department of Epidemiology, Boston, Massachusetts ¹¹²University of Alabama at Birmingham, School of Public Health, Birmingham, Alabama ¹¹³Brigham and Women's Hospital and Harvard Medical School, Division of Genetics, Department of Medicine and Partners Center for Personalized Genetic Medicine, Boston, Massachusetts ¹¹⁴Meharry Medical College, Department of Neurology, Nashville, Tennessee ¹¹⁵Vanderbilt University, Department of Molecular Physiology and Biophysics and Vanderbilt Center for Human Genetics Research, Nashville, Tennessee ¹¹⁶Indiana University School of Medicine, Department of Psychiatry, Indianapolis, Indiana ¹¹⁷Indiana University, Indiana University Center for Aging Research, Indianapolis, Indiana ¹¹⁸Regenstrief Institute, Inc., Indianapolis, Indiana ¹¹⁹Brigham & Women's Hospital, Program in Translational NeuroPsychiatric Genomics, Department of

Neurology, Boston, Massachusetts ¹²⁰Harvard Medical School, Boston, Massachusetts ¹²¹The
Broad Institute, Program in Medical & Population Genetics, Cambridge, Massachusetts
¹²²University of Pittsburgh, Alzheimer's Disease Research Center, Pittsburgh, Pennsylvania
¹²³University of Washington, National Alzheimer's Coordinating Center and Department of
Epidemiology, Seattle, Washington ¹²⁴Group Health Research Institute, Seattle, Washington
¹²⁵Columbia University, The Taub Institute for Research on Alzheimer's Disease and the Aging
Brain, New York, New York ¹²⁶Columbia University, The Gertrude H. Sergievsky Center, New
York, New York ¹²⁷Howard University Hospital, Division of Geriatrics, Washington, District of
Columbia

Supplementary Data. 154 SNPs assessed in VEGAS³ analyses of the *TREM2* region (*TREM2* ± 20kb)

CHR	BP	SNP
6	41150861	rs76660699
6	41150591	rs9357347
6	41150530	rs73429230
6	41150385	rs73429229
6	41150267	rs142323361
6	41150118	rs137886100
6	41149675	rs73429227
6	41149596	rs115845676
6	41149576	rs73429224
6	41149515	rs181741226
6	41149125	rs73429222
6	41149008	rs60755019
6	41148980	rs59913841
6	41148932	rs114118696
6	41148840	rs58051608
6	41148739	rs189600297
6	41148461	rs79495329
6	41148233	rs151266707
6	41147988	rs74437864
6	41147882	rs73429215
6	41147589	rs113017818
6	41147412	rs113582625
6	41146425	rs144859102
6	41145879	rs150524125
6	41145525	rs137961069
6	41145345	rs74829631
6	41144826	rs73429213
6	41144658	rs6458197
6	41144364	rs114333649
6	41144138	rs143196424
6	41143425	rs113803829
6	41143344	rs73429210
6	41143299	rs142426711
6	41143211	rs76509602
6	41142650	rs56138565
6	41142593	rs115809832
6	41142458	rs73429208
6	41142411	rs151319393
6	41142164	rs112875193

6 41142029 rs116184718
6 41142013 rs73429205
6 41141982 rs34375790
6 41141963 rs113801282
6 41141746 rs73427301
6 41141585 rs114452795
6 41140984 rs9394764
6 41140840 rs138383060
6 41140533 rs141781272
6 41140481 rs148072029
6 41140245 rs9471487
6 41140244 rs189130114
6 41140188 rs146977300
6 41140156 rs141372335
6 41139668 rs147068486
6 41138413 rs73427296
6 41138241 rs112453358
6 41138049 rs12202176
6 41138034 rs77271767
6 41137347 rs113722164
6 41137015 rs61655536
6 41136820 rs188737563
6 41136691 rs116811532
6 41136611 rs73427293
6 41136486 rs57108243
6 41136418 rs73427291
6 41136367 rs114504803
6 41136086 rs73427289
6 41135850 rs7759295
6 41135429 rs57878941
6 41134337 rs61331691
6 41134272 rs57922857
6 41134189 rs78233698
6 41134139 rs146843590
6 41133859 rs57912127
6 41133806 rs7748777
6 41133743 rs139503432
6 41133522 rs6933067
6 41133433 rs60112180
6 41132677 rs58120101
6 41132215 rs58883296
6 41132183 rs77752673

6 41132144 rs112285500
6 41131728 rs2234247
6 41131055 rs41273764
6 41130693 rs2234250
6 41130471 rs74390253
6 41130294 rs116793844
6 41130209 rs57488419
6 41130162 rs59377666
6 41130059 rs61163257
6 41130010 rs115361342
6 41129631 rs61333415
6 41129394 rs2234251
6 41129105 rs2234253
6 41128595 rs73427275
6 41128437 rs79640267
6 41128336 rs182640543
6 41128041 rs114623246
6 41127972 rs7748513
6 41127906 rs112455001
6 41127897 rs115121185
6 41127502 rs150598166
6 41127158 rs185963158
6 41126956 rs58443802
6 41126832 rs138996393
6 41126655 rs2234256
6 41126429 rs2234258
6 41125612 rs73427270
6 41125376 rs147805660
6 41125222 rs116073837
6 41124740 rs73427267
6 41124301 rs145040924
6 41123396 rs59316704
6 41123253 rs57292186
6 41123175 rs75799697
6 41122919 rs114902951
6 41122257 rs73733366
6 41121704 rs147082700
6 41121280 rs116515123
6 41121097 rs62396353
6 41121034 rs62396352
6 41120733 rs150928821
6 41119520 rs62396351

6 41119354 rs183395418
6 41117824 rs45537633
6 41117586 rs34254490
6 41116774 rs12194477
6 41116168 rs150292417
6 41115299 rs73427265
6 41114550 rs73427262
6 41113920 rs72856298
6 41113812 rs116233858
6 41113528 rs62396348
6 41113377 rs62396347
6 41112019 rs114412740
6 41111492 rs62396346
6 41111302 rs62396345
6 41111281 rs62396344
6 41111039 rs79595986
6 41110819 rs75001201
6 41110561 rs143508049
6 41110370 rs116748189
6 41110260 rs115277107
6 41109864 rs62396343
6 41109048 rs146527119
6 41108959 rs150345929
6 41108771 rs76258518
6 41108741 rs116418058
6 41108003 rs142875265
6 41107828 rs72856293
6 41107337 rs144646360
6 41107070 rs147329405
6 41106855 rs62396342
6 41106543 rs62396341
