Supplemental Material References:

**The International Schizophrenia Consortium:**

**Manuscript preparation:** Shaun M. Purcell, Naomi R. Wray, Jennifer L. Stone, Peter M. Visscher, Michael C. O'Donovan, Patrick F. Sullivan & Pamela Sklar

**Data analysis:** GWAS analysis subgroup**:** Patrick F. Sullivan, Douglas M. Ruderfer, Andrew McQuillin, Derek W. Morris, Colm T. O’Dushlaine, Aiden Corvin, Peter A. Holmans, Michael C. O’Donovan& Pamela Sklar

**Polygene analyses subgroup:** Naomi R. Wray, Stuart Macgregor, Pamela Sklar, Patrick F. Sullivan, Michael C. O’Donovan& Peter M. Visscher

**Management committee:** Hugh Gurling, Douglas H. R. Blackwood, Aiden Corvin, Nick J. Craddock, Michael Gill, Christina M. Hultman, George K. Kirov, Paul Lichtenstein, Andrew McQuillin, Walter J. Muir, Michael C. O'Donovan, Michael J. Owen, Carlos N. Pato, Shaun M. Purcell, Edward M. Scolnick, David St Clair, Jennifer L. Stone, Patrick F. Sullivan& Pamela Sklar (Leader)

**Cardiff University:** Michael C. O'Donovan, George K. Kirov, Nick J. Craddock, Peter A. Holmans, Nigel M. Williams, Lyudmila Georgieva, Ivan Nikolov, N. Norton, H. Williams, Draga Toncheva, Vihra Milanova& Michael J. Owen

**Karolinska Institutet/University of North Carolina at Chapel Hill:** Christina M. Hultman, Paul Lichtenstein, Emma F. Thelander& Patrick Sullivan

**Trinity College Dublin:** Derek W. Morris, Colm T. O'Dushlaine, Elaine Kenny, Emma M. Quinn, Michael Gill & Aiden Corvin

**University College London:** Andrew McQuillin, Khalid Choudhury, Susmita Datta, Jonathan Pimm, Srinivasa Thirumalai, Vinay Puri, Robert Krasucki, Jacob Lawrence, Digby Quested, Nicholas Bass& Hugh Gurling

**University of Aberdeen:** Caroline Crombie, Gillian Fraser, Soh Leh Kuan, Nicholas Walker& David St Clair

**University of Edinburgh:** Douglas H. R. Blackwood, Walter J. Muir, Kevin A. McGhee, Ben Pickar, Pat Malloy, Alan W. Maclean & Margaret Van Beck

**Queensland Institute of Medical Research:** Naomi R. Wray, Stuart Macgregor & Peter M. Visscher

**University of Southern California:** Michele T. Pato, Helena Medeiros, Frank Middleton, Celia Carvalho, Christopher Morley, Ayman Fanous, David Conti, James A. Knowles, Carlos Paz Ferreira, Antonio Macedo, M. Helena Azevedo & Carlos N. Pato

**Massachusetts General Hospital:** Jennifer L. Stone, Douglas M. Ruderfer, Andrew N. Kirby, Manuel A. R. Ferreira, Mark J. Daly, Shaun M. Purcell& Pamela Sklar

**Stanley Center for Psychiatric Research and Broad Institute of MIT and Harvard:** Shaun M. Purcell, Jennifer L. Stone, Kimberly Chambert, Douglas M. Ruderfer, Finny Kuruvilla, Stacey B. Gabriel, Kristin Ardlie, Jennifer L. Moran, Mark J. Daly, Edward M. Scolnick& Pamela Sklar

**Bipolar Disorder and schizophrenia Working Group of the Psychiatric Genomics** **Consortium:**

Douglas M. Ruderfer, Stephan Ripke, Andrew McQuillin, James Boocock, Eli A. Stahl, Jennifer M. Whitehead Pavlides, Niamh Mullins, Alexander W. Charney, Anil P.S. Ori, Loes M. Olde Loohuis, Enrico Domenici, Arianna Di Florio, Sergi Papiol, Janos L. Kalman, Vassily Trubetskoy, Rolf Adolfsson, Ingrid Agartz, Esben Agerbo, Huda Akil, Diego Albani, Margot Albus, Martin Alda, Madeline Alexander, Ney Alliey-Rodriguez, Thomas D. Als, Farooq Amin, Adebayo Anjorin, Maria J. Arranz, Swapnil Awasthi, Silviu A. Bacanu, Judith A. Badner, Marie Baekvad-Hansen, Steven Bakker, Gavin Band, Jack D. Barchas, Ines Barroso, Nicholas Bass, Michael Bauer, Bernhard T. Baune, Martin Begemann, Celine Bellenguez, Richard A. Belliveau Jr., Frank Bellivier, Stephan Bender, Judit Bene, Sarah E. Bergen, Wade H. Berrettini, Elizabeth Bevilacqua, Joanna M. Biernacka, Tim B. Bigdeli, Donald W. Black, Hannah Blackburn, Jenefer M. Blackwell, Douglas H.R. Blackwood, Carsten Bocker Pedersen, Michael Boehnke, Marco Boks, Anders D. Borglum, Elvira Bramon, Gerome Breen, Matthew A. Brown, Richard Bruggeman, Nancy G. Buccola, Randy L. Buckner, Monika Budde, Brendan Bulik-Sullivan, Suzannah J. Bumpstead, William Bunney, Margit Burmeister, Joseph D. Buxbaum, Jonas Bybjerg-Grauholm, William Byerley, Wiepke Cahn, Guiqing Cai, Murray J. Cairns, Dominique Campion, Rita M. Cantor, Vaughan J. Carr, Noa Carrera, Juan P. Casas, Miquel Casas, Stanley V. Catts, Pablo Cervantes, Kimberley D. Chambert, Raymond C.K. Chan, Eric Y.H. Chen, Ronald Y.L. Chen, Wei Cheng, Eric F.C. Cheung, Siow Ann Chong, Toni-Kim Clarke, C. Robert Cloninger, David Cohen, Nadine Cohen, Jonathan R.I. Coleman, David A. Collier, Paul Cormican, William Coryell, Nicholas Craddock, David W. Craig, Benedicto Crespo-Facorro, James J. Crowley, Cristiana Cruceanu, David Curtis, Piotr M. Czerski, Anders M. Dale, Mark J. Daly, Udo Dannlowski, Ariel Darvasi, Michael Davidson, Kenneth L. Davis, Christiaan A. de Leeuw, Franziska Degenhardt, Jurgen Del Favero, Lynn E. DeLisi, Panos Deloukas, Ditte Demontis, J. Raymond DePaulo, Marta di Forti, Dimitris Dikeos, Timothy Dinan, Srdjan Djurovic, Amanda L. Dobbyn, Peter Donnelly, Gary Donohoe, Elodie Drapeau, Serge Dronov, Jubao Duan, Frank Dudbridge, Audrey Duncanson, Howard Edenberg, Sarah Edkins, Hannelore Ehrenreich, Peter Eichhammer, Torbjorn Elvsashagen, Johan Eriksson, Valentina Escott-Price, Tonu Esko, Laurent Essioux, Bruno Etain, Chun Chieh Fan, Kai-How Farh, Martilias S. Farrell, Matthew Flickinger, Tatiana M. Foroud, Liz Forty, Josef Frank, Lude Franke, Christine Fraser, Robert Freedman, Colin Freeman, Nelson B. Freimer, Joseph I. Friedman, Menachem Fromer, Mark A. Frye, Janice M. Fullerton, Katrin Gade, Julie Garnham, Helena A. Gaspar, Pablo V. Gejman, Giulio Genovese, Lyudmila Georgieva, Claudia Giambartolomei, Eleni Giannoulatou, Ina Giegling, Michael Gill, Matthew Gillman, Marianne Giortz Pedersen, Paola Giusti-Rodriguez, Stephanie Godard, Fernando Goes, Jacqueline I. Goldstein, Srihari Gopal, Scott D. Gordon, Katherine Gordon-Smith, Jacob Gratten, Emma Gray, Elaine K. Green, Melissa J. Green, Tiffany A. Greenwood, Maria Grigoroiu-Serbanescu, Jakob Grove, Weihua Guan, Hugh Gurling, Jose Guzman Parra, Rhian Gwilliam, Lieuwe de Haan, Jeremy Hall, Mei-Hua Hall, Christian Hammer, Naomi Hammond, Marian L. Hamshere, Mark Hansen, Thomas Hansen, Vahram Haroutunian, Annette M. Hartmann, Joanna Hauser, Martin Hautzinger, Urs Heilbronner, Garrett Hellenthal, Frans A. Henskens, Stefan Herms, Maria Hipolito, Joel N. Hirschhorn, Per Hoffmann, Mads V. Hollegaard, David M. Hougaard, Hailiang Huang, Laura Huckins, Christina M. Hultman, Sarah E. Hunt, Masashi Ikeda, Nakao Iwata, Conrad Iyegbe, Assen V. Jablensky, Stephane Jamain, Janusz Jankowski, Alagurevathi Jayakumar, Inge Joa, Ian Jones, Lisa A. Jones, Erik G. Jonsson, Antonio Julia, Anders Jureus, Anna K. Kahler, Rene S. Kahn, Luba Kalaydjieva, Radhika Kandaswamy, Sena Karachanak-Yankova, Juha Karjalainen, Robert Karlsson, David Kavanagh, Matthew C. Keller, Brian J. Kelly, John Kelsoe, James L. Kennedy, Andrey Khrunin, Yunjung Kim, George Kirov, Sarah Kittel-Schneider, Janis Klovins, Jo Knight, Sarah V. Knott, James A. Knowles, Manolis Kogevinas, Bettina Konte, Eugenia Kravariti, Vaidutis Kucinskas, Zita Ausrele Kucinskiene, Ralph Kupka, Hana Kuzelova-Ptackova, Mikael Landen, Cordelia Langford, Claudine Laurent, Jacob Lawrence, Stephen Lawrie, William B. Lawson, Markus Leber, Marion Leboyer, Phil H. Lee, Jimmy Lee Chee Keong, Sophie E. Legge, Todd Lencz, Bernard Lerer, Douglas F. Levinson, Shawn E. Levy, Cathryn M. Lewis, Jun Z. Li, Miaoxin Li, Qingqin S. Li, Tao Li, Kung-Yee Liang, Jennifer Liddle, Jeffrey Lieberman, Svetlana Limborska, Kuang Lin, Don H. Linszen, Jolanta Lissowska, Chunyu Liu, Jianjun Liu, Jouko Lonnqvist, Carmel M. Loughland, Jan Lubinski, Susanne Lucae, Milan Macek Jr., Donald J. MacIntyre, Patrik K.E. Magnusson, Brion S. Maher, Pamela B. Mahon, Wolfgang Maier, Anil K. Malhotra, Jacques Mallet, Ulrik F. Malt, Hugh S. Markus, Sara Marsal, Nicholas G. Martin, Ignacio Mata, Christopher G. Mathew, Manuel Mattheisen, Morten Mattingsdal, Fermin Mayoral, Owen T. McCann, Robert W. McCarley, Steven A. McCarroll, Mark I. McCarthy, Colm McDonald, Susan L. McElroy, Peter McGuffin, Melvin G. McInnis, Andrew M. McIntosh, James D. McKay, Francis J. McMahon, Helena Medeiros, Sarah E. Medland, Sandra Meier, Carin J. Meijer, Bela Melegh, Ingrid Melle, Fan Meng, Raquelle I. Mesholam-Gately, Andres Metspalu, Patricia T. Michie, Lili Milani, Vihra Milanova, Philip B. Mitchell, Younes Mokrab, Grant W. Montgomery, Jennifer L. Moran, Gunnar Morken, Derek W. Morris, Ole Mors, Preben B. Mortensen, Bryan J. Mowry, Thomas W. Mühleisen, Bertram Müller-Myhsok, Kieran C. Murphy, Robin M. Murray, Richard M. Myers, Inez Myin-Germeys, Benjamin M. Neale, Mari Nelis, Igor Nenadic, Deborah A. Nertney, Gerald Nestadt, Kristin K. Nicodemus, Caroline M. Nievergelt, Liene Nikitina-Zake, Vishwajit Nimgaonkar, Laura Nisenbaum, Merete Nordentoft, Annelie Nordin, Markus M. Nöthen, Evaristus A. Nwulia, Eadbhard O’Callaghan, Claire O’Donovan, Colm O’Dushlaine, F. Anthony O’Neill, Ketil J. Oedegaard, Sang-Yun Oh, Ann Olincy, Line Olsen, Lilijana Oruc, Jim Van Os, Michael J. Owen, Sara A. Paciga, Colin N.A. Palmer, Aarno Palotie, Christos Pantelis, George N. Papadimitriou, Elena Parkhomenko, Carlos Pato, Michele T. Pato, Tiina Paunio, Richard Pearson, [Psychosis](https://www.sciencedirect.com/topics/neuroscience/psychosis) [Endophenotypes](https://www.sciencedirect.com/topics/neuroscience/endophenotype) International Consortium, Diana O. Perkins, Roy H. Perlis, Amy Perry, Tune H. Pers, Tracey L. Petryshen, Andrea Pfennig, Marco Picchioni, Olli Pietilainen, Jonathan Pimm, Matti Pirinen, Robert Plomin, Andrew J. Pocklington, Danielle Posthuma, James B. Potash, Simon C. Potter, John Powell, Alkes Price, Ann E. Pulver, Shaun M. Purcell, Digby Quested, Josep Antoni Ramos-Quiroga, Henrik B. Rasmussen, Anna Rautanen, Radhi Ravindrarajah, Eline J. Regeer, Abraham Reichenberg, Andreas Reif, Mark A. Reimers, Marta Ribases, John P. Rice, Alexander L. Richards, Michelle Ricketts, Brien P. Riley, Fabio Rivas, Margarita Rivera, Joshua L. Roffman, Guy A. [Rouleau](https://www.sciencedirect.com/topics/biochemistry-genetics-and-molecular-biology/rouleaux), Panos Roussos, Dan Rujescu, Veikko Salomaa, Cristina Sanchez-Mora, Alan R. Sanders, Stephen J. Sawcer, Ulrich Schall, Alan F. Schatzberg, William A. Scheftner, Peter R. Schofield, Nicholas J. Schork, Sibylle G. Schwab, Edward M. Scolnick, Laura J. Scott, Rodney J. Scott, Larry J. Seidman, Alessandro Serretti, Pak C. Sham, Cynthia Shannon Weickert, Tatyana Shehktman, Jianxin Shi, Paul D. Shilling, Engilbert Sigurdsson, Jeremy M. Silverman, Kang Sim, Claire Slaney, Petr Slominsky, Olav B. Smeland, Jordan W. Smoller, Hon-Cheong So, Janet L. Sobell, Erik Soderman, Christine Soholm Hansen, Chris C.A. Spencer, Anne T. Spijker, David St Clair, Hreinn Stefansson, Kari Stefansson, Stacy Steinberg, Elisabeth Stogmann, Eystein Stordal, Amy Strange, Richard E. Straub, John S. Strauss, Fabian Streit, Eric Strengman, Jana Strohmaier, T. Scott Stroup, Zhan Su, Mythily Subramaniam, Jaana Suvisaari, Dragan M. Svrakic, Jin P. Szatkiewicz, Szabolcs Szelinger, Avazeh Tashakkori-Ghanbaria, Srinivas Thirumalai, Robert C. Thompson, Thorgeir E. Thorgeirsson, Draga Toncheva, Paul A. Tooney, Sarah Tosato, Timothea Toulopoulou, Richard C. Trembath, Jens Treutlein, Vassily Trubetskoy, Gustavo Turecki, Arne E. Vaaler, Helmut Vedder, Eduard Vieta, John Vincent, Peter M. Visscher, Ananth C. Viswanathan, Damjan Vukcevic, John Waddington, Matthew Waller, Dermot Walsh, Muriel Walshe, James T.R. Walters, Dai Wang, Qiang Wang, Weiqing Wang, Yunpeng Wang, Stanley J. Watson, Bradley T. Webb, Thomas W. Weickert, Daniel R. Weinberger, Matthias Weisbrod, Mark Weiser, Thomas Werge, Paul Weston, Pamela Whittaker, Sara Widaa, Durk Wiersma, Dieter B. Wildenauer, Nigel M. Williams, Stephanie Williams, Stephanie H. Witt, Aaron R. Wolen, Emily H.M. Wong, Nicholas W. Wood, Brandon K. Wormley, Wellcome Trust Case-Control Consortium, Jing Qin Wu, Simon Xi, Wei Xu, Allan H. Young, Clement C. Zai, Peter Zandi, Peng Zhang, Xuebin Zheng, Fritz Zimprich, Sebastian Zollner, Aiden Corvin, Ayman H. Fanous, Sven Cichon, Marcella Rietschel, Elliot S. Gershon, Thomas G. Schulze, Alfredo B. Cuellar-Barboza, Andreas J. Forstner, Peter A. Holmans, John I. Nurnberger, Ole A. Andreassen, S. Hong Lee, Michael C. O’Donovan, Patrick F. Sullivan, Roel A. Ophoff, Naomi R. Wray, Pamela Sklar, Kenneth S. Kendler

**GROUP Investigators:**

Richard Bruggeman, MD, PhD1; Wiepke Cahn, MD, PhD2; Lieuwe de Haan, MD, PhD3; René S. Kahn, MD, PhD2; Carin J. Meijer, PHD3; Inez Myin-Germeys, PhD4; Jim van Os, MD, PhD4,5; Durk Wiersma, PhD1

1University Medical Center Groningen, Department of Psychiatry, University of Groningen, The Netherlands

2University Medical Center Utrecht, Department of Psychiatry, Brain Center Rudolf Magnus, Utrecht, The Netherlands

3Academic Medical Centre, Department of Psychiatry, University of Amsterdam, Amsterdam, The Netherlands

4Maastricht University Medical Center, South Limburg Mental Health Research and Teaching Network Euron, Maastricht, The Netherlands

5King’s College London, King’s Health Partners, Department of Psychosis Studies, Institute of Psychiatry, London, United Kingdom