

S.s.d. CONSULENZA GENETICA ONCOLOGICA

PUBBLICAZIONI 2005/2018

1 - MANOUKIAN S, Crolla JA, Mammoliti PM, TESTI MA, Zanini R, Carpanelli ML, Piozzi E, SOZZI G, DE VECCHI G, TERENZIANI M, SPREAFICO F, COLLINI P, RADICE P, PEROTTI D. Bilateral preaxial polydactyly in a WAGR syndrome patient. American Journal Of Medical Genetics Part A 2005;134A:426-429

2 - PETERLONGO P, Howe LR, RADICE P, SALA P, Hong YJ, Hong SI, Mitra N, Offit K, Ellis NA. Germline mutations of AXIN2 are not associated with nonsyndromic colorectal cancer. Human Mutation 2005;25:498-500

3 - Phelan CM, Dacic V, Tice B, Favis R, Kwan E, Barany F, MANOUKIAN S, RADICE P, Van Der Luijt RB, Van Nesselrooij BP, Chenevix Trench G, Kconfab, Caldes T, De La Hoya M, Lindquist S, Tavtigian SV, Goldgar D, Borg A, Narod SA, Monteiro AN. Classification of BRCA1 missense variants of unknown clinical significance. Journal Of Medical Genetics 2005;42:138-146

4 - Antoniou AC, Pharoah PD, Narod S, Risch HA, Eyfjord JE, Hopper JL, Olsson H, Johannsson O, Borg A, PASINI B, Radice P, MANOUKIAN S, Eccles DM, Tang N, Olah E, Anton Culver H, Warner E, Lubinski J, Gronwald J, Gorski B, Tulinius H, Thorlaci S, Eerola H, Nevanlinna H, Syrjakoski K, Kallioniemi OP, Thompson D, Evans C, Peto J, Lalloo F, Evans DG, Easton DF. Breast and ovarian cancer risks to carriers of the BRCA1 5382insC and 185delAG and BRCA2 6174delT mutations: A combined analysis of 22 population based studies. Journal Of Medical Genetics 2005;42:602-603

5 - SPINOLA M, LEONI VP, TANUMA J, PETTINICCHIO A, FRATTINI M, SIGNORONI S, AGRESTI R, GIOVANAZZI R, PILOTTI S, BERTARIO L, RAVAGNANI F, DRAGANI TA. FGFR4 Gly388Arg polymorphism and prognosis of breast and colorectal cancer. Oncology Reports 2005;14:415-419

6 - FRATTINI M, CARNEVALI I, SIGNORONI S, BALESTRA D, MOIRAGHI ML, RADICE P, Varesco L, Gismondi V, BALLARDINI G, SALA P, PIEROTTI MA, PILOTTI S, BERTARIO L. Cyclooxygenase-2 expression in FAP patients carrying germ line MYH mutations. Cancer Epidemiology Biomarkers & Prevention 2005;14:2049-2052

7 - Weitzel JN, Robson M, PASINI B, MANOUKIAN S, Stoppa Lyonnet D, Lynch HT, McLennan J, Foulkes WD, Wagner T, Tung N, Ghadirian P, Olopade O, Isaacs C, Kim Sing C, Moller P, Neuhausen SL, Metcalfe K, Sun P, Narod SA. A comparison of bilateral breast cancers in BRCA carriers. Cancer Epidemiology Biomarkers & Prevention 2005;14:1534-1538

8 - FRATTINI M, SIGNORONI S, PILOTTI S, BERTARIO L, Benvenuti S, Zanon C, Bardelli A, PIEROTTI MA. Phosphatase protein homologue to tensin expression and phosphatidylinositol-3 phosphate kinase mutations in colorectal cancer. Cancer Research 2005;65:11227

9 - Winawer S, Faivre J, Selby J, BERTARIO L, Chen TH, Kroborg O, Levin B, Mandel J, O'Morain C, Richards M, Rennert G, Russo A, Saito H, Semigfnovsky B, Wong B, Smith R. Workgroup II: The screening process. UICC International Workshop on Facilitating Screening for Colorectal Cancer, Oslo, Norway (29 and 30 June 2002). Annals Of Oncology 2005;16:31-33

10 - De Lellis L, Curia MC, Catalano T, De Toffol S, BASSI C, Marenin C, BERTARIO L, Battista P, Mariani Costantini R, RADICE P, Cama A. Combined use of MLPA and nonfluorescent multiplex PCR analysis by high performance liquid chromatography for the detection of genomic rearrangements. Human Mutation 2006;27:1047-1056

11 - Piccioli P, Serra M, Gismondi V, Pedemonte S, Loiacono F, Lastraoli S, BERTARIO L, De Angioletti M, Varesco L, Notaro R. Multiplex tetra-primer amplification refractory mutation system PCR to detect 6 common germline mutations of the MUTYH gene associated with polyposis and colorectal cancer. Clinical Chemistry 2006;52:739-743

12 - D'Orazi G, Sciulli MG, Di Stefano V, Riccioni S, FRATTINI M, Falcioni R, BERTARIO L, Sacchi A, Patrignani P. Homeodomain-interacting protein kinase-2 restrains cytosolic phospholipase A2-dependent prostaglandin E2 generation in human colorectal cancer cells. Clinical Cancer Research 2006;12:735-741

13 - Di Gregorio C, FRATTINI M, Maffei S, Ponti G, Losi L, Pedroni M, Venesio T, BERTARIO L, Varesco L, Risio M, Ponz De Leon M. Immunohistochemical Expression of MYH Protein Can Be Used to Identify Patients With MYH-Associated Polyposis. Gastroenterology 2006;131:439-444

14 - Blasi MF, Ventura I, Aquilina G, Degan P, BERTARIO L, BASSI C, RADICE P, Bignami M. A human cell-based assay to evaluate the effects of alterations in the MLH1 mismatch repair gene. Cancer Research 2006;66:9036-9044

15 - CARCANGIU ML, PEISSEL B, Pasini B, SPATTI G, RADICE P, MANOUKIAN S. Incidental carcinomas in prophylactic specimens in BRCA1 and BRCA2 germ-line mutation carriers, with emphasis on fallopian tube lesions: Report of 6 cases and review of the literature. American Journal Of Surgical Pathology 2006;30:1222-1230

16 - Sampieri K, Hadjistilianou T, Mari F, Speciale C, Mencarelli MA, Cetta F, MANOUKIAN S, PEISSEL B, Giachino D, Pasini B, Acquaviva A, Caporossi A, Frezzotti R, Renieri A, Bruttini M. Mutational screening of the RB1 gene in Italian patients with retinoblastoma reveals 11 novel mutations. Journal Of Human Genetics 2006;51:209-216

17 - PETERLONGO P, Mitra N, Sanchez De Abajo A, De La Hoya M, BASSI C, BERTARIO L, RADICE P, Glogowski E, Nafa K, Caldes T, Offit K, Ellis NA. Increased frequency of disease-causing MYH mutations in colon cancer families. *Carcinogenesis* 2006;27:2243-2249

18 - Cattaneo F, Venesio T, Molatore S, Russo A, Fiocca R, FRATTINI M, Scovassi AI, Ottini L, BERTARIO L, Ranzani GN. Functional analysis and case-control study of -160C/A polymorphism in the E-cadherin gene promoter: Association with cancer risk. *Anticancer Research* 2006;26:4627-4632

19 - TRECATE G, VERGNAGHI D, MANOUKIAN S, BERGONZI S, SCAPERROTTA G, MARCHESEINI M, FERRANTI C, PEISSEL B, SPATTI G, BOHM S, CONTI A, COSTA C, SPORENI M, Podo F, MUSUMECI R. MRI in the early detection of breast cancer in women with high genetic risk. *Tumori* 2006;92:517-523

20 - Carvalho MA, Marsillac SM, Karchin R, MANOUKIAN S, Grist S, Swaby RF, Urmenyi TP, Rondinelli E, Silva R, Gayol L, Baumbach L, Sutphen R, Pickard Brzosowicz JL, Nathanson KL, Sali A, Goldgar D, Couch FJ, RADICE P, Monteiro AN. Determination of cancer risk associated with germ line BRCA1 missense variants by functional analysis. *Cancer Research* 2007;67:1494-1501

21 - MANOUKIAN S, PEISSEL B, PENSOTTI V, Barile M, Cortesi L, STACCHIOTTI S, TERENZIANI M, BARBERA F, PASQUINI G, FRIGERIO S, PIEROTTI MA, RADICE P, DELLA TORRE G. Germline mutations of TP53 and BRCA2 genes in breast cancer/sarcoma families. *European Journal Of Cancer* 2007;43:601-606

22 - Sardanelli F, Podo F, D'Agnolo G, Verdecchia A, Santaquilani M, MUSUMECI R, TRECATE G, MANOUKIAN S, Morassut S, De Giacomi C, Federico M, Cortesi L, Corcione S, Cirillo S, Marra V, High Breast Cancer Risk Italian Trial (BERGONZI S, COSTA C, FERRANTI C, MARCHESEINI M, SCAPERROTTA G, SUMAN L, VERGNAGHI D). Multicenter comparative multimodality surveillance of women at genetic-familial high risk for breast cancer (HIBCRIT Study): Interim results. *Radiology* 2007;242:698-715

23 - Chang Claude J, Andrieu N, Rookus M, Brohet R, Antoniou AC, Peock S, Davidson R, Izatt L, Cole T, Noguès C, Luporsi E, Huiart L, Hoogerbrugge N, Van Leeuwen FE, Osorio A, Eyfjord J, RADICE P, Goldgar DE, Easton DF, Epidemiological Study Of Familial Breast Cancer (Embrace), Gene Etude Prospective Sein Ovaire (Genepso), Genen Omgeving Studie Van De Werkgroep Hereditair Borstkanker Onderzoek Nederland (Geo Hebon), International Brca1/2 Carrier Cohort Study (Ibccs) Collaborators Group {MANOUKIAN S, PIEROTTI MA}. Age at menarche and menopause and breast cancer risk in the International BRCA1/2 Carrier Cohort Study. *Cancer Epidemiology Biomarkers & Prevention* 2007;16:740-746

24 - Pepe C, Guidugli L, Sensi E, Aretini P, D'Andrea E, Montagna M, MANOUKIAN S, Ottini L, RADICE P, Viel A, Bevilacqua G, Caligo MA. Methyl group metabolism gene polymorphisms as modifier of breast cancer risk in Italian BRCA1/2 carriers. *Breast Cancer Research And Treatment* 2007;103:29-36

25 - Ponti G, Venesio T, Losi L, Pellacani G, BERTARIO L, SALA P, Pedroni M, Petti C, Maffei S, Varesco L, Lerch E, Baggio A, Bassoli S, Longo C, Seidenari S. BRAF mutations in multiple sebaceous hyperplasias of patients belonging to MYH-associated polyposis pedigrees. *Journal Of Investigative Dermatology* 2007;127:1387-1391

26 - Vasen HF, Moslein G, Alonso A, Bernstein I, BERTARIO L, Blanco I, Burn J, Capella G, Engel C, Frayling I, Friedl W, Hes FJ, Hodgson S, Mecklin JP, Moller P, Nagengast F, Parc Y, Renkonen Sinisalo L, Sampson JR, Stormorken A, Wijnen J. Guidelines for the clinical management of Lynch syndrome (hereditary non-polyposis cancer). *Journal Of Medical Genetics* 2007;44:353-362

27 - SIGNORONI S, FRATTINI M, NEGRI T, PASTORE E, TAMBORINI E, CASIERI P, ORSENIGO M, DA RIVA L, RADICE P, SALA P, GRONCHI A, BERTARIO L, PIEROTTI MA, PILOTTI S. Cyclooxygenase-2 and platelet-derived growth factor receptors as potential targets in treating aggressive fibromatosis. *Clinical Cancer Research* 2007;13:5034-5040

28 - Jones R, Ruas M, Gregory F, Moulin S, DELIA D, MANOUKIAN S, Rowe J, Brookes S, Peters G. A CDKN2A mutation in familial melanoma that abrogates binding of p16 INK4a to CDK4 but not CDK6. *Cancer Research* 2007;67:9134-9141

29 - PIEROTTI MA, RADICE P, MANOUKIAN S, Pasini B. Tumori ereditari. In: Bonadonna G, Robustelli della Cuna G, Valagussa P (Eds): *Medicina Oncologica*. Milano, Elsevier Masson S.r.l.. 2007;93-113

30 - Ponz De Leon M, BERTARIO L, Genuardi M, Lanza G, Oliani C, Ranzani GN, Rossi GB, Varesco L, Venesio T, Viel A. Identification and classification of hereditary nonpolyposis colorectal cancer (Lynch syndrome): Adapting old concepts to recent advancements. Report from the Italian Association for the study of Hereditary Colorectal Tumors Consensus Group. *Diseases Of The Colon & Rectum* 2007;50:2126-2134

31 - CARRARA M, MARCHESEINI R, TOMATIS S, BERTARIO L, SALA P. Hereditary non-polyposis colorectal cancer carriers and abnormal light reflectance of oral mucosa. *Gut* 2008;57:279-280

32 - FERRARI A, ROGNONE A, CASANOVA M, ZAFFIGNANI E, PIVA L, COLLINI P, BERTARIO L, SALA P, LEO E, BELLI F, GALLINO G. Colorectal carcinoma in children and adolescents: The experience of the Istituto Nazionale Tumori of Milan, Italy. *Pediatric Blood & Cancer* 2008;50:588-593

33 - Malacrida S, Agata S, Callegaro M, Casella C, Barana D, Scaini MC, MANOUKIAN S, Oliani C, RADICE P, Barile M, Menin C, D'Andrea E, Montagna M. BRCA1 p.Val1688del is a deleterious mutation that recurs in breast and ovarian cancer families from Northeast Italy. *Journal Of Clinical Oncology* 2008;26:26-31

34 - Metcalfe KA, Lubinski J, Ghadirian P, Lynch H, Kim Sing C, Friedman E, Foulkes WD, Domchek S, Ainsworth P, Isaacs C, Tung N, Gronwald J, Cummings S, Wagner T, MANOUKIAN S, Moller P, Weitzel J, Sun P, Narod SA. Predictors of contralateral prophylactic mastectomy in women with a BRCA1 or BRCA2 mutation: The Hereditary Breast Cancer Clinical Study Group. *Journal Of Clinical Oncology* 2008;26:1093-1097

35 - Metcalfe KA, Birenbaum Carmeli D, Lubinski J, Gronwald J, Lynch H, Moller P, Ghadirian P, Foulkes WD, Klijn J, Friedman E, Kim Sing C, Ainsworth P, Rosen B, Domchek S, Wagner T, Tung N, MANOUKIAN S, Couch F, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group. International variation in rates of uptake of preventive options in BRCA1 and BRCA2 mutation carriers. *International Journal Of Cancer* 2008;122:2017-2022

36 - Antoniou AC, Spurdle AB, Siniukova OM, Healey S, Pooley KA, Schmutzler RK, Versmold B, Engel C, Meindl A, Arnold N, Hofmann W, Sutter C, Niederacher D, Deissler H, Caldes T, Kampjarvi K, Nevanlinna H, Simard J, Beesley J, Chen X, Kathleen Cunningham Consortium For Research Into Familial Breast Cancer, Neuhausen SL, Rebbeck TR, Wagner T, Lynch HT, Isaacs C, Weitzel J, Ganz PA, Daly MB, Tomlinson G, Olopade Ol, Blum JL, Couch FJ, PETERLONGO P, MANOUKIAN S, Barile M, RADICE P, Szabo CI, Pereira LH, Greene MH, Rennert G, Lejbkowicz F, Barnett Griness O, Andrusilis IL, Ozcelik H, Osgn, Gerdes AM, Caligo MA, Laitman Y, Kaufman B, Milgrom R, Friedman E, Swedish Brca1 And Brca2 Study Collaborators, Domchek SM, Nathanson KL, Osorio A, Llort G, Milne RL, Benitez J, Hamann U, Hogervorst FB, Manders P, Ligtenberg MJ, Van Den Ouweland AM, Dna Hebon Collaborators, Peock S, Cook M, Platte R, Evans DG, Eeles R, Pichet G, Chu C, Eccles D, Davidson R, Douglas F, Embrace, Godwin AK, Barjhoux L, Mazoyer S, Sobol H, Bourdon V, Eisinger F, Chompret A, Capoulade C, Bressac De Paillerets B, Lenoir GM, Gauthier Villars M, Houdayer C, Stoppa Lyonnet D, Gemo, Chenevix Trench G, Easton DF, Cimba. Common Breast Cancer-Predisposition Alleles Are Associated with Breast Cancer Risk in BRCA1 and BRCA2 Mutation Carriers. *American Journal Of Human Genetics* 2008;82:937-948

37 - FRATTINI M, GALLINO G, SIGNORONI S, BALESTRA D, LUSA L, BATTAGLIA L, SOZZI G, BERTARIO L, LEO E, PILOTTI S, PIEROTTI MA. Quantitative and qualitative characterization of plasma DNA identifies primary and recurrent colorectal cancer. *Cancer Letters* 2008;263:170-181

38 - Vasen HF, Moslein G, Alonso A, Aretz S, Bernstein I, BERTARIO L, Blanco I, Bulow S, Burn J, Capella G, Colas C, Engel C, Frayling I, Friedl W, Hes FJ, Hodgson S, Jarvinen H, Mecklin JP, Moller P, Myrholi T, Nagengast FM, Parc Y, Phillips R, Clark SK, Ponz De Leon M, Renkonen Sinisalo L, Sampson JR, Stormorken A, Tejpar S, Thomas HJ, Wijnen J. Guidelines for the clinical management of familial adenomatous polyposis (FAP). *Gut* 2008;57:704-713

39 - Antoniou AC, Cunningham AP, Peto J, Evans DG, Laloo F, Narod SA, Risch HA, Eyfjord JE, Hopper JL, Southey MC, Olsson H, Johannsson O, Borg A, Passini B, RADICE P, MANOUKIAN S, Eccles DM, Tang N, Olah E, Anton Culver H, Warner E, Lubinski J, Gronwald J, Gorski B, Tryggvadottir L, Syrikoski K, Kallioniemi OP, Eerola H, Nevanlinna H, Pharoah PD, Easton DF. The BOADICEA model of genetic susceptibility to breast and ovarian cancers: Updates and extensions. *British Journal Of Cancer* 2008;98:1457-1466

40 - Marroni F, Cipollini G, PEISSEL B, D'Andrea E, Pensabene M, RADICE P, Caligo MA, Presciuttini S, Bevilacqua G. Reconstructing the genealogy of a BRCA1 founder mutation by phylogenetic analysis. *Annals Of Human Genetics* 2008;72:310-318

41 - LUSA L, PEISSEL B, MANOUKIAN S, MARCHESI E, RADICE P, PIEROTTI MA, GARIBOLDI M. Re: Molecular basis for estrogen receptor ? deficiency in BRCA1-linked breast cancer. *Journal Of The National Cancer Institute* 2008;100:752-753

42 - Narod SA, Neuhausen S, Vichodez G, Armel S, Lynch HT, Ghadirian P, Cummings S, Olopade O, Stoppa Lyonnet D, Couch F, Wagner T, Warner E, Foulkes WD, Saal H, Weitzel J, Tulman A, Poll A, Nam R, Sun P, Hereditary Breast Cancer Study Group {MANOUKIAN S}. Rapid progression of prostate cancer in men with a BRCA2 mutation. *British Journal Of Cancer* 2008;99:371-374

43 - DE VECCHI G, VERDERIO P, PIZZAMIGLIO S, MANOUKIAN S, Bernard L, Pensotti V, Volorio S, RAVAGNANI F, RADICE P, PETERLONGO P. The p53 Arg72Pro and Ins16bp polymorphisms and their haplotypes are not associated with breast cancer risk in BRCA-mutation negative familial cases. *Cancer Detection And Prevention* 2008;32:140-143

44 - Liljegren A, Barker G, Elliott F, BERTARIO L, Bisgaard ML, Eccles D, Evans G, Macrae F, Maher E, Lindblom A, Rotstein S, Nilsson B, Mecklin JP, Moslein G, Jass J, Fodde R, Mathers J, Burn J, Bishop DT. Prevalence of adenomas and hyperplastic polyps in mismatch repair mutation carriers among CAPP2 participants: Report by the colorectal adenoma/carcinoma prevention programme 2. *Journal Of Clinical Oncology* 2008;26:3434-3439

45 - COLOMBO M, GIAROLA M, MARIANI L, RIPAMONTI CB, DE BENEDETTI V, SARDELLA M, LOSA M, MANOUKIAN S, PEISSEL B, PIEROTTI MA, PILOTTI S, RADICE P. Cyclin D1 expression analysis in familial breast cancers may discriminate BRCAx from BRCA2-linked cases. *Modern Pathology* 2008;21:1262-1270

46 - Osorio A, Pollán M, Pita G, Schmutzler RK, Versmold B, Engel C, Meindl A, Arnold N, Preisler Adams S, Niederacher D, Hofmann W, Gadzicki D, Jakubowska A, Hamann U, Lubinski J, Toloczko Grabarek A, Cybulski C, Debnik T, Llort G, Yannoukakos D, Díez O, PEISSEL B, PETERLONGO P, RADICE P, Heikkinen T, Nevanlinna H, Mai PL, Loud JT, McGuffog L, Antoniou AC, Benitez J, Cimba. An evaluation of the polymorphisms Ins16bp and Arg72Pro in p53 as breast cancer risk modifiers in BRCA1 and BRCA2 mutation carriers. *British Journal Of Cancer* 2008;99:974-977

47 - Eisen A, Lubinski J, Gronwald J, Moller P, Lynch HT, Klijn J, Kim Sing C, Neuhausen SL, Gilbert L, Ghadirian P, MANOUKIAN S, Rennert G, Friedman E, Isaacs C, Rosen E, Rosen B, Daly M, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group. Hormone therapy and the risk of breast cancer in BRCA1 mutation carriers. *Journal Of The National Cancer Institute* 2008;100:1361-1367

48 - Kotsopoulos J, Librach CL, Lubinski J, Gronwald J, Kim Sing C, Ghadirian P, Lynch HT, Moller P, Foulkes WD, Randall S, MANOUKIAN S, Pasini B, Tung N, Ainsworth PJ, Cummings S, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group. Infertility, treatment of infertility, and the risk of breast cancer among women with BRCA1 and BRCA2 mutations: A case-control study. *Cancer Causes & Control* 2008;19:1111-1119

49 - Vignoli M, Scaini MC, Ghiorzo P, Sestini R, Bruno W, Menin C, Gensini F, Piazzini M, Testori A, MANOUKIAN S, Orlando C, D'Andrea E, Bianchi Scarrà G, Genuardi M. Genomic rearrangements of the CDKN2A locus are infrequent in Italian malignant melanoma families without evidence of CDKN2A/CDK4 point mutations. *Melanoma Research* 2008;18:431-437

50 - Burn J, Bishop DT, Mecklin JP, Macrae F, Moslein G, Olschwang S, Bisgaard ML, Ramesar R, Eccles D, Maher ER, BERTARIO L, Jarvinen HJ, Lindblom A, Evans DG, Lubinski J, Morrison PJ, Ho JW, Vasen HF, Side L, Thomas HJ, Scott RJ, Dunlop M, Barker G, Elliott F, Jass JR, Fodde R, Lynch HT, Mathers JC, Capp2 Investigators {SALA P}. Effect of aspirin or resistant starch on colorectal neoplasia in the Lynch syndrome. New England Journal Of Medicine 2008;359:2567-2578

51 - VERGNAGHI D, TRECATE G, MANOUKIAN S. New trends of MRI in breast cancer diagnosis. In: Bombardieri E, Bonadonna G, Gianni L (Eds): Breast Cancer. Nuclear Medicine In Diagnosis And Therapeutic Options. Springer-verlag Berlin Heidelberg. 2008;127-144

52 - Sardanelli F, Giuseppetti GM, Canavese G, Cataliotti L, Corcione S, Cossu E, Federico M, Marotti L, Martincich L, Panizza P, Podo F, Rosselli Del Turco M, Zuiani C, Alfano C, Bazzocchi M, Belli P, Bianchi S, Cilotti A, Calabrese M, Carbonaro L, Cortesi L, Di Maggio C, Del Maschio A, Esseridou A, Fausto A, GENNARO M, Girometti R, Ienzi R, Luini A, MANOUKIAN S, Morassut S, Morrone D, Nori J, Orlacchio A, Pane F, Panzarola P, Ponzone R, Simonetti G, Torricelli P, Valeri G. Indications for breast magnetic resonance imaging. Consensus document "attualità in senologia", Florence 2007. Radiologia Medica 2008;113:1085-1095

53 - Carvalho M, Pino MA, Karchin R, Beddar J, Godinho Netto M, Mesquita RD, Rodarte RS, Vaz DC, Monteiro VA, MANOUKIAN S, COLOMBO M, RIPAMONTI CB, Rosenquist R, Suthers G, Borg A, RADICE P, Grist SA, Monteiro AN, Billack B. Analysis of a set of missense, frameshift, and in-frame deletion variants of BRCA1. Mutation Research-fundamental And Molecular Mechanisms Of Mutagenesis 2009;660:1-11

54 - DE VECCHI G, VERDERIO P, PIZZAMIGLIO S, MANOUKIAN S, Barile M, Fortuzzi S, RAVAGNANI F, PIEROTTI MA, RADICE P, PETERLONGO P. Evidences for association of the CASP8 -652 6N del promoter polymorphism with age at diagnosis in familial breast cancer cases. Breast Cancer Research And Treatment 2009;113:607-608

55 - CATUCCI I, VERDERIO P, PIZZAMIGLIO S, MANOUKIAN S, PEISSEL B, Barile M, Tizzoni L, Bernard L, RAVAGNANI F, Galastri L, PIEROTTI MA, RADICE P, PETERLONGO P. SNPs in ultraconserved elements and familial breast cancer risk. Carcinogenesis 2009;30:544-545

56 - DANIELLI M, FERRARI A, FRIGERIO S, CASIERI P, MISCELLI F, ZUCCA E, COLLINI P, DELLA TORRE G, MANOUKIAN S, PEISSEL B, BONO A, SANTINAMI M, PARMIANI G, RIVOLTINI L, PILOTTI S, RODOLFO M. Cutaneous melanoma in childhood and adolescence shows frequent loss of INK4A and gain of KIT. Journal Of Investigative Dermatology 2009;129:1759-1768

57 - COLOMBO M, RIPAMONTI CB, Pensotti V, FOGLIA C, PEISSEL B, PIEROTTI MA, MANOUKIAN S, RADICE P. An unusual BRCA2 allele carrying two splice site mutations. Annals Of Oncology 2009;20:1143-1144

58 - Sinilnikova OM, Antoniou AC, Simard J, Healey S, Léoné M, Sinnott D, Spurdle AB, Beesley J, Chen X, Kconfab, Greene MH, Loud JT, Lejbkowicz F, Rennert G, Dishon S, Andrusis IL, Ocg, Domchek SM, Nathanson KL, MANOUKIAN S, RADICE P, Konstantopoulou I, Blanco I, Laborde AL, Duran M, Osorio A, Benitez J, Hamann U, Hogervorst FB, Van Os TA, Gille HJ, Hebon, Peock S, Cook M, Luccarini C, Evans DG, Laloo F, Eeles R, Pichert G, Davidson R, Cole T, Cook J, Paterson J, Brewer C, Embrace, Hughes DJ, Coupier I, Giraud S, Coulet F, Colas C, Soubrier F, Rouleau E, Bieche I, Lidereau R, Demange L, Nogues C, Lynch HT, Gemo, Schmutzler RK, Versmold B, Engel C, Meindl A, Arnold N, Sutter C, Deissler H, Schaefer D, Froster UG, Gc Hboc, Aittomaki K, Nevanlinna H, Mcguffog L, Easton DF, Chenevix Trench G, Stoppa Lyonnet D, Consortium Of Investigators Of Modifiers Of Brca1/2. The TP53 Arg72Pro and MDM2 309GT polymorphisms are not associated with breast cancer risk in BRCA1 and BRCA2 mutation carriers. British Journal Of Cancer 2009;101:1456-1460

59 - Vicus D, Rosen B, Lubinski J, Domchek S, Kauff ND, Lynch HT, Isaacs C, Tung N, Sun P, Narod SA, Hereditary Ovarian Cancer Clinical Study Group {MANOUKIAN S}. Tamoxifen and the risk of ovarian cancer in BRCA1 mutation carriers. Gynecologic Oncology 2009;115:135-137

60 - Bruno W, Ghiorzo P, Battistuzzi L, Ascierto PA, Barile M, Gargiulo S, Gensini F, Gliori S, Guida M, Lombardo M, MANOUKIAN S, Menin C, Nasti S, Origone P, Pasini B, Pastorino L, PEISSEL B, Pizzichetta MA, Queirolo P, RODOLFO M, Romanini A, Scaini MC, Testori A, Tibiletti MG, Turchetti D, Leachman SA, Bianchi Scarpa G, Imi, Italian Melanoma Intergroup. Clinical genetic testing for familial melanoma in Italy: A cooperative study. Journal Of The American Academy Of Dermatology 2009;61:775-782

61 - Antoniou AC, Sinilnikova OM, Mcguffog L, Healey S, Nevanlinna H, Heikkinen T, Simard J, Spurdle AB, Beesley J, Chen X, Kathleen Cunningham Foundation Consortium For Research Into Familial Breast Cancer, Neuhausen SL, Ding YC, Couch FJ, Wang X, Fredericksen Z, PETERLONGO P, PEISSEL B, Bonanni B, Viel A, Bernard L, RADICE P, Szabo CI, Foretova L, Zikan M, Claes K, Greene MH, Mai PL, Rennert G, Lejbkowicz F, Andrusis IL, Ozcelik H, Glendon G, Ocg, Gerdes AM, Thomassen M, Sunde L, Caligo MA, Laitman Y, Kontorovich T, Cohen S, Kaufman B, Dagan E, Baruch RG, Friedman E, Harbst K, Barbany Bustinza G, Rantala J, Ehrencrona H, Karlsson P, Domchek SM, Nathanson KL, Osorio A, Blanco I, Lasa A, Benitez J, Hamann U, Hogervorst FB, Rookus MA, Collee JM, Devilee P, Ligtenberg MJ, Van Der Luijt RB, Aalfs CM, Waisfisz Q, Wijnen J, Van Rozendaal CE, Hebon, Peock S, Cook M, Frost D, Oliver C, Platte R, Evans DG, Laloo F, Eeles R, Izatt L, Davidson R, Chu C, Eccles D, Cole T, Hodgson S, Embrace, Godwin AK, Stoppa Lyonnet D, Buecher B, Leone M, Bressac De Paillerets B, Remenieras A, Caron O, Lenoir GM, Sevenet N, Longy M, Ferrer SF, Prieur F, Gemo, Goldgar D, Miron A, John EM, Buys SS, Daly MB, Hopper JL, Terry MB, Yassin Y, Breast Cancer Family Registry, Singer C, Gschwantler Kaulich D, Staudigl C, Hansen TV, Barkardottir RB, Kirchhoff T, Pal P, Kosarin K, Offit K, Piedmonte M, Rodriguez GC, Wakeley K, Boggess JF, Basil J, Schwartz PE, Blank SV, Toland AE, Montagna M, Casella C, Imanitov EN, Allavena A, Schmutzler RK, Versmold B, Engel C, Meindl A, Ditsch N, Arnold N, Niederacher D, Deissler H, Fiebig B, Suttnar C, Schonbuchner I, Gadzicki D, Caldes T, De La Hoya M, Pooley KA, Easton DF, Chenevix Trench G, Cimba. Common variants in LSP1, 2q35 and 8q24 and breast cancer risk for BRCA1 and BRCA2 mutation carriers. Human Molecular Genetics 2009;18:4442-4456

62 - Osorio A, Milne RL, Pita G, PETERLONGO P, Heikkinen T, Simard J, Chenevix Trench G, Spurdle AB, Beesley J, Chen X, Healey S, Kconfab, Neuhausen SL, Ding YC, Couch FJ, Wang X, Lindor N, MANOUKIAN S, Barile M, Viel A, Tizzoni L, Szabo CI, Foretova L, Zikan M, Claes K, Greene MH, Mai P, Rennert G, Lejbkowicz F, Barnett Griness O, Andrusis IL, Ozcelik H, Weerasooriya N, Ocg, Gerdes AM, Thomassen M, Cruger DG, Caligo MA, Friedman E, Kaufman B, Laitman Y, Cohen S, Kontorovich T, Gershoni Baruch R, Dagan E, Jernstrom H, Askalmal M, Arver B, Malmer B, Swe Brca, Domchek SM, Nathanson KL, Brunet J, Ramon Y Cajal T, Yannoukakos D, Hamann U, Hebon, Hogervorst FB, Verhoef S, Gomez Garcia EB, Wijnen JT, Van Den Ouwendijk A, Embrace, Easton DF, Peock S, Cook M, Oliver CT, Frost D, Luccarini C, Evans DG, Laloo F, Eeles R, Pichert G, Cook J, Hodgson S, Morrison PJ, Douglas F, Godwin AK, Gemo, Sinilnikova OM, Barjhoux L, Stoppa Lyonnet D, Moncoulou V, Giraud S, Cassini C, Olivier Faivre L, Revillion F, Peyrat JP, Muller D, Fricker JP, Lynch HT, John EM, Buys S, Daly M, Hopper JL, Terry MB, Miron A, Yassin Y, Goldgar D, Breast Cancer Family Registry, Singer CF, Gschwantler Kaulich D, Pfeiler G, Spiess AC, Hansen TV,

Johannsson OT, Kirchhoff T, Offit K, Kosarin K, Piedmonte M, Rodriguez GC, Wakeley K, Boggess JF, Basil J, Schwartz PE, Blank SV, Toland AE, Montagna M, Casella C, Imyanitov EN, Allavena A, Schmutzler RK, Versmold B, Engel C, Meindl A, Ditsch N, Arnold N, Niederacher D, Deissler H, Fiebig B, Varon Mateeva R, Schaefer D, Froster UG, Caldes T, De La Hoya M, McGuffog L, Antoniou AC, Nevanlinna H, RADICE P, Benitez J, Cimba. Evaluation of a candidate breast cancer associated SNP in ERCC4 as a risk modifier in BRCA1 and BRCA2 mutation carriers. Results from the consortium of investigators of modifiers of BRCA1/BRCA2 (CIMBA). *British Journal Of Cancer* 2009;101:2048-2054

63 - CATUCCI I, Yang R, VERDERIO P, PIZZAMIGLIO S, Heesen L, Hemminki K, Sutter C, Wappenschmidt B, Dick M, Arnold N, Bugert P, Niederacher D, Meindl A, Schmutzler RK, Bartram CC, Ficarazzi F, Tizzoni L, ZAFFARONI D, MANOUKIAN S, Barile M, PIEROTTI MA, RADICE P, Burwinkel B, PETERLONGO P. Evaluation of SNPs in miR-146a, miR196a2 and miR-499 as low-penetrance alleles in German and Italian familial breast cancer cases. *Human Mutation* 2010;31:E1052-E1057

64 - Chiappetta G, Ottaiano A, Vuttariello E, Monaco M, Galdiero F, Gallipoli A, PILOTTI S, Jodice G, MANOUKIAN S, COLOMBO M, RIPAMONTI CB, Pallante PL, RADICE P, Fusco A. HMGA1 protein expression in familial breast carcinoma patients. *European Journal Of Cancer* 2010;46:332-339

65 - Nicoloso MS, Sun H, Spizzo R, Kim H, Wickramasinghe P, Shimizu M, Wojcik SE, Ferdin J, Kunej T, Xiao L, MANOUKIAN S, SECRETO G, RAVAGNANI F, Wang X, RADICE P, Croce CM, Davuluri RV, Calin GA. Single-nucleotide polymorphisms inside microRNA target sites influence tumor susceptibility. *Cancer Research* 2010;70:2789-2798

66 - VERDERIO P, PIZZAMIGLIO S, Southey MC, Spurdle AB, Hopper JL, Chen X, Beesley J, Australian Ovarian Cancer Study Group Kconfab, Schmutzler RK, Engel C, Burwinkel B, Bugert P, Ficarazzi F, MANOUKIAN S, Barile M, Wappenschmidt B, Chenevix Trench G, RADICE P, PETERLONGO P. A BRCA1 promoter variant (rs11655505) and breast cancer risk. *Journal Of Medical Genetics* 2010;47:268-270

67 - Vicus D, Finch A, Rosen B, Fan I, Bradley L, Cass I, Sun P, Karlan B, McLaughlin J, Narod SA, Hereditary Ovarian Cancer Clinical Study Group {MANOUKIAN S}. Risk factors for carcinoma of the fallopian tube in women with and without a germline BRCA mutation. *Gynecologic Oncology* 2010;118:155-159

68 - TRECATE G, MANOUKIAN S, SUMAN L, VERGNAGHI D, MARCHESEINI M, AGRESTI R, FERRARIS C, PEISSEL B, SCARAMUZZA D, BERGONZI S. Is there a specific magnetic resonance phenotype characteristic of hereditary breast cancer? *Tumori* 2010;96:363-384

69 - Zuradelli M, PEISSEL B, MANOUKIAN S, ZAFFARONI D, Barile M, Pensotti V, Cavallari U, Masci G, Mariette F, Benski AC, Santoro A, RADICE P. Four new cases of double heterozygosity for BRCA1 and BRCA2 gene mutations: Clinical, pathological, and family characteristics. *Breast Cancer Research And Treatment* 2010;124:251-258

70 - Antoniou AC, Wang X, Fredericksen ZS, McGuffog L, Tarrell R, Sinilnikova OM, Healey S, Morrison J, Kartsonaki C, Lesnick T, Ghoussaini M, Barrowdale D, Embrace, Peock S, Cook M, Oliver C, Frost D, Eccles D, Evans DG, Eeles R, Izatt L, Chu C, Douglas F, Paterson J, Stoppa Lyonnet D, Houdayer C, Mazoyer S, Giraud S, Lasset C, Remenieras A, Caron O, Hardouin A, Berthet P, Gemo Study Collaborators, Hogervorst FB, Rookus MA, Jager A, Van Den Ouweland A, Hoogerbrugge N, Van Der Luijt RB, Meijers Heijboer H, Gomez Garcia EB, Hebon, Devilee P, Vreeswijk MP, Lubinski J, Jakubowska A, Gronwald J, Huzarski T, Byrski T, Gorski B, Cybulski C, Spurdle AB, Holland H, Kconfab, Goldgar DE, John EM, Hopper JL, Southey M, Buys SS, Daly MB, Terry MB, Schmutzler RK, Wappenschmidt B, Engel C, Meindl A, Preisler Adams S, Arnold N, Niederacher D, Sutter C, Domchek SM, Nathanson KL, Rebbeck T, Blum JL, Piedmonte M, Rodriguez GC, Wakeley K, Boggess JF, Basil J, Blank SV, Friedman E, Kaufman B, Laitman Y, Milgrom R, Andrulis IL, Glendon G, Ozcelik H, Kirchhoff T, Vijai J, Gaudet MM, Altshuler D, Guiducci C, Swe Brca, Loman N, Harbst K, Rantala J, Ehrencrona H, Gerdes AM, Thomassen M, Sunde L, PETERLONGO P, MANOUKIAN S, Bonanni B, Viel A, RADICE P, Caldes T, De La Hoya M, Singer CF, Fink Retter A, Greene MH, Mai PL, Loud JT, Guidugli L, Lindor NM, Hansen TV, Nielsen FC, Blanco I, Lazaro C, Garber J, Ramus SJ, Gayther SA, Phelan C, Narod S, Szabo CI, Mod Squad, Benitez J, Osorio A, Nevanlinna H, Heikkinen T, Caligo MA, Beattie MS, Hamann U, Godwin AK, Montagna M, Casella C, Neuhausen SL, Karlan BY, Tung N, Toland AE, Weitzel J, Olopade O, Simard J, Soucy P, Rubinstein WS, Arason A, Rennert G, Martin NG, Montgomery GW, Chang Claude J, Flesch Janys D, Brauch H, Genica, Severi G, Baglietto L, Cox A, Cross SS, Miron P, Gerty SM, Tapper W, Yannoukakos D, Fountzilas G, Fasching PA, Beckmann MW, Dos Santos Silva I, Peto J, Lambrechts D, Paridaens R, Rudiger T, Forsti A, Wingqvist R, Pylkas K, Diasio RB, Lee AM, Eckel Passow J, Vachon C, Blows F, Driver K, Dunning A, Pharoah PP, Offit K, Pankratz VS, Hakonarson H, Chenevix Trench G, Easton DF, Couch FJ. A locus on 19p13 modifies risk of breast cancer in BRCA1 mutation carriers and is associated with hormone receptor-negative breast cancer in the general population. *Nature Genetics* 2010;42:885-892

71 - Gaudet MM, Kirchhoff T, Green T, Vijai J, Korn JM, Guiducci C, Segre AV, McGee K, McGuffog L, Kartsonaki C, Morrison J, Healey S, Sinilnikova OM, Stoppa Lyonnet D, Mazoyer S, Gauthier Villars M, Sobol H, Longy M, Frenay M, Gemo Study CollaboratorS, Hogervorst FB, Rookus MA, Collee JM, Hoogerbrugge N, Van Roozendaal KE, Hebon Study Collaborators, Piedmonte M, Rubinstein W, Nerenstone S, Van Le L, Blank SV, Caldes T, De La Hoya M, Nevanlinna H, Aittomaki K, Lazaro C, Blanco I, Arason A, Johannsson OT, Barkardottir RB, Devilee P, Olopade OI, Neuhausen SL, Wang X, Fredericksen ZS, PETERLONGO P, MANOUKIAN S, Barile M, Viel A, Radice P, Phelan CM, Narod S, Rennert G, Lejbkowicz F, Flugelman A, Andrulis IL, Glendon G, Ozcelik H, Osgn, Toland AE, Montagna M, D'Andrea E, Friedman E, Laitman Y, Borg A, Beattie M, Ramus SJ, Domchek SM, Nathanson KL, Rebbeck T, Spurdle AB, Chen X, Holland H, Kconfab, John EM, Hopper JL, Buys SS, Daly MB, Southey MC, Terry MB, Tung N, Overeem Hansen TV, Nielsen FC, Greene MH, Mai PL, Osorio A, Duran M, Andres R, Benitez J, Weitzel JN, Garber J, Hamann U, Embrace, Peock S, Cook M, Oliver C, Frost D, Platte R, Evans DG, Laloo F, Eeles R, Izatt L, Walker L, Eason J, Barwell J, Godwin AK, Schmutzler RK, Wappenschmidt B, Engert S, Arnold N, Gadzicki D, Dean M, Gold B, Klein RJ, Couch FJ, Chenevix Trench G, Easton DF, Daly MJ, Antoniou AC, Altshuler DM, Offit K. Common genetic variants and modification of penetrance of BRCA2-associated breast cancer. *Plos Genetics* 2010;6:e1001183-12

72 - Scioletti AP, Brancati F, Gatta V, Antonucci I, PEISSEL B, Pizzuti A, Mortellaro C, Tetè S, Gherlone E, Palka G, Stuppia L. Two novel mutations affecting splicing in the IRF6 gene associated with van der Woude syndrome. *Journal Of Craniofacial Surgery* 2010;21:1654-1656

73 - Antoniou AC, Beesley J, McGuffog L, Sinilnikova OM, Healey S, Neuhausen SL, Ding YC, Rebbeck TR, Weitzel JN, Lynch HT, Isaacs C, Ganz PA, Tomlinson G, Olopade OI, Couch FJ, Wang X, Lindor NM, Pankratz VS, RADICE P, MANOUKIAN S, PEISSEL B, ZAFFARONI D, Barile M, Viel A, Allavena A, Dall'Olio V, PETERLONGO P, Szabo CI, Zikan M, Claes K, Poppe B, Foretova L, Mai PL, Greene MH, Rennert G, Lejbkowicz F, Glendon G, Ozcelik H, Andrulis IL, Ontario Cancer Genetics Network, Thomassen M, Gerdes AM, Sunde L, Cruger D, Birk Jensen U, Caligo M,

Friedman E, Kaufman B, Laitman Y, Milgrom R, Dubrovsky M, Cohen S, Borg A, Jernstrom H, Lindblom A, Rantala J, Stenmark Askmal M, Melin B, Swe Brca, Nathanson K, Domchek S, Jakubowska A, Lubinski J, Huzarski T, Osorio A, Las A, Duran M, Tejada MI, Godino J, Benitez J, Hamann U, Kriege M, Hoogerbrugge N, Van Der Luijt RB, Van Asperen CJ, Devilee P, Meijers Heijboer EJ, Blok MJ, Aalfs CM, Hogervorst F, Rookus M, Hebon, Cook M, Oliver C, Frost D, Conroy D, Evans DG, Laloo F, Pichert G, Davidson R, Cole T, Cook J, Paterson J, Hodgson S, Morrison PJ, Porteous ME, Walker L, Kennedy MJ, Dorkins H, Peock S, Embrace, Godwin AK, Stoppa Lyonnet D, De Pauw A, Mazoyer S, Bonadona V, Lasset C, Dreyfus H, Leroux D, Hardouin A, Berthet P, Faivre L, Gemo, Loustalot C, Noguchi T, Sobol H, Rouleau E, Nogues C, Frenay M, Venat Bouvet L, Gemo, Hopper JL, Daly MB, Terry MB, John EM, Buys SS, Yassin Y, Miron A, Goldgar D, Breast Cancer Family Registry, Singer CF, Dressler AC, Gschwantler Kaulich D, Pfeiler G, Hansen TV, Jonson L, Agnarsson BA, Kirchhoff T, Offit K, Devlin V, Dutra Clarke A, Piedmonte M, Rodriguez GC, Wakeley K, Boggess JF, Basil J, Schwartz PE, Blank SV, Toland AE, Montagna M, Casella C, Imyanitov E, Tihomirova L, Blanco I, Lazaro C, Ramus SJ, Sucheston L, Karlan BY, Gross J, Schmutzler R, Wappenschmidt B, Engel C, Meindl A, Lochmann M, Arnold N, Heidemann S, Varon Mateeva R, Niederacher D, Sutter C, Deissler H, Gadzicki D, Preisler Adams S, Kast K, Schonbuchner I, Caldes T, De La Hoya M, Aittomaki K, Nevanlinna H, Simard J, Spurdle AB, Holland H, Chen X, Kconfab, Platte R, Chenevix Trench G, Easton DF, Cimba. Common breast cancer susceptibility alleles and the risk of breast cancer for BRCA1 and BRCA2 mutation carriers: Implications for risk prediction. *Cancer Research* 2010;70:9742-9754

74 - Concolino D, ROVERSI G, Muzzi GL, Sestito S, Colombo EA, Volpi L, Larizza L, Strisciuglio P. Clericuzio-type poikiloderma with neutropenia syndrome in three sibs with mutations in the C16orf57 gene: Delineation of the phenotype. *American Journal Of Medical Genetics Part A* 2010;152A:2588-2594

75 - Pedranzini L, Mottadelli F, Ronzoni S, Rossella F, Ferracin M, Magnani I, ROVERSI G, Colapietro P, Negrini M, Pelicci PG, Larizza L. Differential cytogenomics and miRNA signature of the acute myeloid leukaemia Kasumi-1 cell line CD34+38- compartment. *Leukemia Research* 2010;34:1287-1295

76 - Volpi L, ROVERSI G, Colombo EA, Leijsten N, Concolino D, Calabria A, Mencarelli MA, Fimiani M, Macchiardi F, Pfundt R, Schoenmakers EF, Larizza L. Targeted Next-Generation Sequencing Appoints C16orf57 as Clericuzio-Type Poikiloderma with Neutropenia Gene. *American Journal Of Human Genetics* 2010;86:72-76

77 - Larizza L, ROVERSI G, Volpi L. Rothmund-thomson syndrome. *Orphanet Journal Of Rare Diseases* 2010;5:2

78 - Ginsburg OM, Kim Sing C, Foulkes WD, Ghadirian P, Lynch HT, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group {MANOUKIAN S}. BRCA1 and BRCA2 families and the risk of skin cancer. *Familial Cancer* 2010;9:489-493

79 - Metcalfe K, Lubinski J, Lynch HT, Ghadirian P, Foulkes WD, Kim Sing C, Neuhausen S, Tung N, Rosen B, Gronwald J, Ainsworth P, Sweet K, Eisen A, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group {MANOUKIAN S}. Family history of cancer and cancer risks in women with BRCA1 or BRCA2 mutations. *Journal Of The National Cancer Institute* 2010;102:1874-1878

80 - Beesley J, Johnatty SE, Chen X, Spurdle AB, PETERLONGO P, Barile M, Pensotti V, MANOUKIAN S, RADICE P, Australian Ovarian Cancer Study Group, Kathleen Cunningham Consortium For Research In Familial Breast Cancer, Chenevix Trench G. No evidence for an association between the earwax-associated polymorphism in ABCC11 and breast cancer risk in Caucasian women. *Breast Cancer Research And Treatment* 2011;126:235-239

81 - Sardanelli F, Podo F, Santoro F, MANOUKIAN S, BERGONZI S, TRECATE G, VERGNAGHI D, Federico M, Cortesi L, Corcione S, Morassut S, Di Maggio C, Cilotti A, Martincich L, Calabrese M, Zuiani C, Preda L, Bonanni B, Carbonaro LA, Contegiacomo A, Panizza P, Di Cesare E, Savarese A, Crecco M, Turchetti D, Tonutti M, Belli P, Del Maschio A, High Breast Cancer Risk Italian 1 (Hibcrit 1) Study {ZAFFARONI D, MUSUMECI R, COSTA C, FERRANTI C, MARCHESEINI M, PEISSEL B, SCAPERROTTA G, SUMAN L, MORGANTI M}. Multicenter surveillance of women at high genetic breast cancer risk using mammography, ultrasonography, and contrast-enhanced magnetic resonance imaging (the high breast cancer risk italian 1 study): Final results. *Investigative Radiology* 2011;46:94-105

82 - CATUCCI I, VERDERIO P, PIZZAMIGLIO S, MANOUKIAN S, PEISSEL B, ZAFFARONI D, ROVERSI G, RIPAMONTI CB, Pasini B, Barile M, Viel A, Giannini G, Papi L, Varesco L, Martayan A, Riboni M, Volorio S, RADICE P, PETERLONGO P. The CASP8 rs3834129 polymorphism and breast cancer risk in BRCA1 mutation carriers. *Breast Cancer Research And Treatment* 2011;125:855-860

83 - Ramus SJ, Kartsonaki C, Gayther SA, Pharoah PD, Sinilnikova OM, Beesley J, Chen X, Mcguffog L, Healey S, Couch FJ, Wang X, Fredericksen Z, PETERLONGO P, MANOUKIAN S, PEISSEL B, ZAFFARONI D, ROVERSI G, Barile M, VIEL A, Allavena A, Ottini L, Papi L, Gismondi V, Capra F, Radice P, Greene MH, Mai PL, Andrulis IL, Glendon G, Ozcelik H, Ocg, Thomassen M, Gerdes AM, Kruse TA, Cruger D, Jensen UB, Caligo MA, Olsson H, Kristoffersson U, Lindblom A, Arver B, Karlsson P, Stenmark Askmal M, Borg A, Neuhausen SL, Ding YC, Nathanson KL, Domchek SM, Jakubowska A, Lubinski J, Huzarski T, Byrski T, Gronwald J, Gorski B, Cybulski C, Debnik T, Osorio A, Duran M, Tejada MI, Benitez J, Hamann U, Rookus MA, Verhoef S, Tilanus Linthorst MA, Vreeswijk MP, Bodmer D, Ausems MG, Van Os TA, Asperen CJ, Blok MJ, Meijers Heijboer HE, Hebon, Embrace, Peock S, Cook M, Oliver C, Frost D, Dunning AM, Evans DG, Eeles R, Pichert G, Cole T, Hodgson S, Brewer C, Morrison PJ, Porteous M, Kennedy MJ, Rogers MT, Side LE, Donaldson A, Gregory H, Godwin A, Stoppa Lyonnet D, Moncoutier V, Castera L, Mazoyer S, Barjhoux L, Bonadona V, Leroux D, Faivre L, Lidereau R, Nogues C, Bignon YJ, Prieur F, Collonge Rame MA, Venat Bouvet L, Fert Ferrer S, Gemo Study Collaborators, Miron A, Buys SS, Hopper JL, Daly MB, John EM, Terry MB, Goldgar D, Bcfr, Hansen TV, Jonson L, Ejlersen B, Agnarsson BA, Offit K, Kirchhoff T, Vijai J, Dutra Clarke AV, Przybylo JA, Montagna M, Casella C, Imyanitov EN, Janavicius R, Blanco I, Lazaro C, Moysich KB, Karlan BY, Gross J, Beattie MS, Schmutzler R, Wappenschmidt B, Meindl A, Ruehl I, Siegburg B, Sutter C, Arnold N, Deissler H, Varon Mateeva R, Kast K, Niederacher D, Gadzicki D, Caldes T, De La Hoya M, Nevanlinna H, Aittomaki K, Simard J, Soucy P, Kconfab Investigators, Spurdle AB, Holland H, Chenevix Trench G, Easton DF, Antoniou AC, Consortium Of Investigators Of Modifiers Of Brca1/2. Genetic variation at 9p22.2 and ovarian cancer risk for BRCA1 and BRCA2 mutation carriers. *Journal Of The National Cancer Institute* 2011;103:105-116

84 - Yang XR, Chang Claude J, Goode EL, Couch FJ, Nevanlinna H, Milne RL, Gaudet M, Schmidt MK, Broeks A, Cox A, Fasching PA, Hein R, Spurdle AB, Blows F, Driver K, Flesch Janys D, Heinz J, Sinn P, Vrieling A, Heikkinen T, Aittomaki K, Heikkila P, Blomqvist C, Lissowska J, Peplonska B, Chanock S, Figueira J, Brinton L, Hall P, Czene K, Humphreys K, Darabi H, Liu J, Van 'T Veer LJ, Van Leeuwen FE, Andrulis IL, Glendon G, Knight JA, Mulligan AM, O'Malley FP, Weerasooriya N, John EM, Beckmann MW, Hartmann A, Weihbrecht SB, Wachter DL, Jud SM,

Loehberg CR, Baglietto L, English DR, Giles GG, Mclean CA, Severi G, Lambrechts D, Vandorpe T, Weltens C, Paridaens R, Smeets A, Neven P, Wildiers H, Wang X, Olson JE, Cafourek V, Fredericksen Z, Kosek M, Vachon C, Cramp HE, Connley D, Cross SS, Balasubramanian SP, Reed MW, Dork T, Bremer M, Meyer A, Karstens JH, Ay A, Park Simon TW, Hillemanns P, Arias Perez JL, Menendez Rodriguez P, Zamora P, Benítez J, Ko YD, Fischer HP, Hamann U, Pesch B, Bruning T, Justenhoven C, Brauch H, Eccles DM, Tapper WJ, Gerty SM, Sawyer EJ, Tomlinson IP, Jones A, Kerin M, Miller N, Mcinerney N, Anton Culver H, Ziogas A, Shen CY, Hsiung CN, Wu PE, Yang SL, Yu JC, Chen ST, Hsu GC, Haiman CA, Henderson BE, Le Marchand L, Kolonel LN, Lindblom A, Margolin S, Jakubowska A, Lubinski J, Huzarski T, Byrski T, Górska B, Gronwald J, Hooning MJ, Hollestelle A, Van Den Ouweland AM, Jager A, Kriege M, Tilanus Linthorst MM, Collée M, Wang Gohrke S, Pylkas K, Jukkola Vuorinen A, Mononen K, Grip M, Hirvikoski P, Winqvist R, Mannermaa A, Kosma VM, Kauppinen J, Kataja V, Auvinen P, Soini Y, Sironen R, Bojesen SE, Orsted DD, Kaur Knudsen D, Flyger H, Nordsgaard BG, Holland H, Chenevix Trench G, MANOUKIAN S, Barile M, RADICE P, Hankinson SE, Hunter DJ, Tamimi R, Sangrajrang S, Brennan P, McKay J, Odefrey F, Gaborieau V, Devilee P, Huijts PE, Tollenaar RA, Seynaeve C, Dite GS, Apicella C, Hopper JL, Hammet F, Tsimiklis H, Smith LD, Southey MC, Humphreys MK, Easton D, Pharoah P, Sherman ME, Garcia Closas M. Associations of breast cancer risk factors with tumor subtypes: A pooled analysis from the breast cancer association consortium studies. Journal Of The National Cancer Institute 2011;103:250-263

85 - PETERLONGO P, CATUCCI I, PASQUINI G, VERDERIO P, PEISSEL B, Barile M, Varesco L, Riboni M, Fortuzzi S, MANOUKIAN S, RADICE P. PALB2 germline mutations in familial breast cancer cases with personal and family history of pancreatic cancer. Breast Cancer Research And Treatment 2011;126:825-828

86 - Osorio A, Milne RL, Alonso R, Pita G, PETERLONGO P, Teulé A, Nathanson KL, Domchek SM, Rebbeck T, Lasa A, Konstantopoulou I, Hogervorst FB, Verhoef S, Van Dooren MF, Jager A, Ausems MG, Aalfs CM, Van Asperen CJ, Vreeswijk M, Waisfisz Q, Van Roozendaal CE, Ligtenberg MJ, Hebon, Embrace, Easton DF, Peacock S, Cook M, Oliver CT, Frost D, Curzon B, Evans DG, Laloo F, Eeles R, Izatt L, Davidson R, Adlard J, Eccles D, Ong KR, Douglas F, Downing S, Brewer C, Walker L, Nevanlinna H, Aittomaki K, Couch FJ, Fredericksen Z, Lindor NM, Godwin A, Isaacs C, Caligo MA, Loman N, Jernstrom H, Barbany Bustinza G, Liljegegren A, Ehrencrona H, Stenmark Askalm M, Swe Brca, Feliubadalo L, MANOUKIAN S, PEISSEL B, ZAFFARONI D, Bonanni B, Fortuzzi S, Johannsson OT, Chenevix Trench G, Chen XC, Beesley J, Spurdle AB, Kconfab, Sinilnikova OM, Healey S, McGuffog L, Antoniou AC, Brunet J, RADICE P, Benitez J, Cimba. Evaluation of the XRCC1 gene as a phenotypic modifier in BRCA1/2 mutation carriers. Results from the consortium of investigators of modifiers of BRCA1/BRCA2. British Journal Of Cancer 2011;104:1356-1361

87 - Bordeleau L, Lipscombe L, Lubinski J, Ghadirian P, Foulkes WD, Neuhausen S, Ainsworth P, Pollak M, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group {MANOUKIAN S}. Diabetes and breast cancer among women with BRCA1 and BRCA2 mutations. Cancer 2011;117:1812-1818

88 - BORRELLO MG, AIELLO A, PEISSEL B, RIZZETTI MG, MONDELLINI P, DEGL'INNOCENTI D, CATALANO V, GOBBO M, COLLINI P, BONGARZONE I, PIEROTTI MA, GRECO A, SEREGNI E. Functional characterization of the MTC-associated germline RET-K666E mutation: Evidence of oncogenic potential enhanced by the G691S polymorphism. Endocrine-related Cancer 2011;18:519-527

89 - Antoniou AC, Kartsonaki C, Sinilnikova OM, Soucy P, McGuffog L, Healey S, Lee A, PETERLONGO P, MANOUKIAN S, PEISSEL B, ZAFFARONI D, Cattaneo E, Barile M, Pensotti V, Pasini B, Dolcetti R, Giannini G, Putignano AL, Varesco L, RADICE P, Mai PL, Greene MH, Andrulis IL, Glendon G, Ozcelik H, Thomassen M, Gerdes AM, Kruse TA, Birk Jensen U, Cruger DG, Caligo MA, Laitman Y, Milgrom R, Kaufman B, Paluch Shimon S, Friedman E, Loman N, Harbst K, Lindblom A, Arver B, Ehrencrona H, Melin B, Swe Brca, Nathanson KL, Domchek SM, Rebbeck T, Jakubowska A, Lubinski J, Gronwald J, Huzarski T, Byrski T, Cybulski C, Gorski B, Osorio A, Ramon Y Cajal T, Fostira F, Andres R, Benitez J, Hamann U, Hogervorst FB, Rookus MA, Hooning MJ, Nelen MR, Van Der Luijt RB, Van Os TA, Van Asperen CJ, Devilee P, Meijers Heijboer HE, Gomez Garcia EB, Hebon, Peacock S, Cook M, Frost D, Platte R, Leyland J, Evans DG, Laloo F, Eeles R, Izatt L, Adlard J, Davidson R, Eccles D, Ong KR, Cook J, Douglas F, Paterson J, Kennedy MJ, Miedzybrodzka Z, Embrace, Godwin A, Stoppa Lyonnet D, Buecher B, Belotti M, Tirapu C, Mazoyer S, Barjhoux L, Lasset C, Leroux D, Faivre L, Bronner M, Prieur F, Nogues C, Rouleau E, Pujol P, Coupler I, Frenay M, Cemo Study Collaborators, Hopper JL, Daly MB, Terry MB, John EM, Buys SS, Yassin Y, Miron A, Goldgar D, Breast Cancer Family Registry, Singer CF, Tea MK, Pfeiler G, Dressler AC, Hansen TV, Jonson L, Ejlersen B, Barkardottir RB, Kirchhoff T, Offit K, Piedmonte M, Rodriguez G, Small L, Boggess J, Blank S, Basil J, Azodi M, Toland AE, Montagna M, Tognazzo S, Agata S, Imyanitov E, Janavicius R, Lazaro C, Blanco I, Pharoah PD, Sucheston L, Karlan BY, Walsh CS, Olah E, Bozsik A, Teo SH, Seldon JL, Beattie MS, Van Rensburg EJ, Sluiter MD, Diez O, Schmutzler RK, Wappenschmidt B, Engel C, Meindl A, Ruehl I, Varon Mateeva R, Kast K, Deissler H, Niederacher D, Arnold N, Gadzicki D, Schonbuchner I, Caldes T, De La Hoya M, Nevanlinna H, Aittomaki K, Dumont M, Chiquette J, Tischkowitz M, Chen X, Beesley J, Spurdle AB, Kconfab Investigators, Neuhausen SL, Chun Ding Y, Fredericksen Z, Wang X, Pankratz VS, Couch F, Simard J, Easton DF, Chenevix Trench G, Cimba. Common alleles at 6q25.1 and 1p11.2 are associated with breast cancer risk for BRCA1 and BRCA2 mutation carriers. Human Molecular Genetics 2011;20:3304-3321

90 - Martrat G, Maxwell CA, Tominaga E, Porta De La Riva M, Bonifaci N, Gómez Baldó L, Bogliolo M, Lázaro C, Blanco I, Brunet J, Aguilar H, Fernández Rodríguez J, Seal S, Renwick A, Rahman N, Kühl J, Neveling K, Schindler D, Ramírez MJ, Castellà M, Hernández G, Easton DF, Peacock S, Cook M, Oliver CT, Frost D, Platte R, Evans DG, Laloo F, Eeles R, Izatt L, Chu C, Davidson R, Ong K, Cook J, Douglas F, Hodgson S, Brewer C, Morrison PJ, Porteous M, PETERLONGO P, MANOUKIAN S, PEISSEL B, ZAFFARONI D, ROVERSI G, Barile M, Viel A, Pasini B, Ottini L, Putignano AL, Savarese A, Bernard L, RADICE P, Healey S, Spurdle A, Chen X, Beesley J, Rookus MA, Verhoef S, Tilanus Linthorst MA, Vreeswijk MP, Asperen CJ, Bodmer D, Ausems MGEM, Van Os TA, Blok MJ, Meijers Heijboer HEJ, Hogervorst FBL, Goldgar DE, Buys S, John EM, Miron A, Southey M, Daly MB, Harbst K, Borg T, Rantala J, Barbany Bustinza G, Ehrencrona H, Stenmark Askalm M, Kaufman B, Laitman Y, Milgrom R, Friedman E, Domchek SM, Nathanson KL, Rebbeck TR, Johannsson OT, Couch FJ, Wang X, Fredericksen Z, Cuadras D, Moreno V, Pientka FK, Depping R, Caldés T, Osorio A, Benítez J, Bueren J, Heikkilä T, Nevanlinna H, Hamann U, Torres D, Caligo MA, Godwin AK, Imyanitov EN, Janavicius R, Sinilnikova OM, Stoppa Lyonnet D, Mazoyer S, Verny Pierre C, Castera L, De Pauw A, Bignon Y, Uhrhammer N, Peyrat J, Vennin P, Ferrer SF, Collonge Rame M, Mortemousque I, McGuffog L, Chenevix Trench G, Pereira Smith OM, Antoniou AC, Cerón J, Tominaga K, Surrallés J, Pujana MA. Exploring the link between MORF4L1 and risk of breast cancer. Breast Cancer Research 2011;13:40

91 - Bonifaci N, Palafox M, Pellegrini P, Osorio A, Benítez J, PETERLONGO P, MANOUKIAN S, PEISSEL B, ZAFFARONI D, ROVERSI G, Barile M, Viel A, Mariette F, Bernard L, RADICE P, Kaufman B, Laitman Y, Milgrom R, Friedman E, Sáez ME, Climent F, Soler MT, Diez O, Balmana J, Lasa A, Ramón Y Cajal T, Miramar MD, De La Hoya M, Pérez Segura P, Caldés T, Moreno V, Urruticochea A, Brunet J, Lázaro C, Blanco I, Pujana MA, González Suárez E. Evidence for a link between TNFRSF11A and risk of breast cancer. Breast Cancer Research And Treatment 2011;129:947-954

92 - PASANISI P, BRUNO E, VENTURELLI E, MANOUKIAN S, Barile M, PEISSEL B, De Giacomi C, Bonanni B, BERRINO J, BERRINO F. Serum levels of IGF-I and BRCA penetrance: A case control study in breast cancer families. *Familial Cancer* 2011;10:521-528

93 - PETERLONGO P, CALECA L, CATTANEO E, RAVAGNANI F, Bianchi T, Galastri L, Bernard L, Ficarazzi F, Dall'Olio V, Marme F, Langheinz A, Sohn C, Burwinkel B, Giles GG, Baglietto L, Severi G, Odefrey FA, Southey MC, Osorio A, Fernández F, Alonso MR, Benítez J, Barile M, PEISSEL B, MANOUKIAN S, RADICE P. The rs12975333 variant in the miR-125a and breast cancer risk in Germany, Italy, Australia and Spain. *Journal Of Medical Genetics* 2011;48:703-704

94 - MANOUKIAN S, PEISSEL B, FRIGERIO S, LECIS D, Bartkova J, ROVERSI G, RADICE P, Bartek J, DELIA D. Two new CHEK2 germ-line variants detected in breast cancer/sarcoma families negative for BRCA1, BRCA2, and TP53 gene mutations. *Breast Cancer Research And Treatment* 2011;130:207-215

95 - Milne RL, Goode EL, García Closas M, Couch FJ, Severi G, Hein R, Frederickson Z, Malats N, Zamora MP, Arias Perez JI, Benítez J, Dork T, Schurmann P, Karstens JH, Hillemanns P, Cox A, Brock IW, Elliot G, Cross SS, Seal S, Turnbull C, Renwick A, Rahman N, Shen CY, Yu JC, Huang CS, Hou MF, Nordestgaard BG, Bojesen SE, Lanng C, Grenaker Alnaes G, Kristensen V, Borrensen Dale AL, Hopper JL, Dite GS, Apicella C, Southey MC, Lambrechts D, Yesilyurt BT, Floris G, Leunen K, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Chang Claude J, Wang Gohrke S, RADICE P, PETERLONGO P, MANOUKIAN S, Barile M, Giles GG, Baglietto L, John EM, Miron A, Chanock SJ, Lissowska J, Sherman ME, Figueroa JD, Bogdanova NV, Antonenkova NN, Zalutsky IV, Rogov YI, Fasching PA, Bayer CM, Ekici AB, Beckmann MW, Brenner H, Muller H, Arndt V, Stegmaier C, Andrulis IL, Knight JA, Glendon G, Mulligan AM, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Meindl A, Heil J, Bartram CR, Schmutzler RK, Thomas GD, Hoover RN, Fletcher O, Gibson LJ, Dos Santos Silva I, Peto J, Nickels S, Flesch Janys D, Anton Culver H, Ziogas A, Sawyer E, Tomlinson I, Kerin M, Miller N, Schmidt MK, Broeks A, Van 'T Veer LJ, Tollenaar RA, Pharoah PD, Dunning AM, Pooley KA, Marme F, Schneeweiss A, Sohn C, Burwinkel B, Jakubowska A, Lubinski J, Jaworska K, Durda K, Kang D, Yoo KY, Noh DY, Ahn SH, Hunter DJ, Hankinson SE, Kraft P, Lindstrom S, Chen X, Beesley J, Hamann U, Harth V, Justenhoven C, Genica Network, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, Hooning M, Hollestelle A, Oldenburg RA, Tilanus Linthorst M, Khusnutdinova E, Bermisheva M, Prokofieva D, Farahtdinova A, Olson JE, Wang X, Humphreys MK, Wang Q, Chenevix Trench G, Kconfab Investigators, Aocs Group, Easton DF. Confirmation of 5p12 as a susceptibility locus for progesterone-receptor- positive, lower grade breast cancer. *Cancer Epidemiology Biomarkers & Prevention* 2011;20:2222-2231

96 - Im KM, Kirchhoff T, Wang X, Green T, Chow CY, Vijai J, Korn J, Gaudet MM, Frederickson Z, Shane Pankratz V, Guiducci C, Crenshaw A, Mcguffog L, Kartsonaki C, Morrison J, Healey S, Sinilnikova OM, Mai PL, Greene MH, Piedmonte M, Rubinstein WS, Hebon, Hogervorst FB, Rookus MA, Collee JM, Hoogerbrugge N, Van Asperen CJ, Meijers Heijboer HE, Van Roozendaal CE, Caldes T, Perez Segura P, Jakubowska A, Lubinski J, Huzarski T, Blecharz P, Nevanlinna H, Aittomaki K, Lazaro C, Blanco I, Barkardottir RB, Montagna M, D'Andrea E, Kconfab, Devilee P, Olopade OI, Neuhausen SL, PEISSEL B, Bonanni B, PETERLONGO P, Singer CF, Rennert G, Lejbkowicz F, Andrulis IL, Glendon G, Ozcelik H, Ontario Cancer Genetics Network, Toland AE, Caligo MA, Swe Brca, Beattie MS, Chan S, Ukfocr, Domchek SM, Nathanson KL, Rebbeck TR, Phelan C, Narod S, John EM, Hopper JL, Buys SS, Daly MB, Southey MC, Terry MB, Tung N, Hansen TV, Osorio A, Benitez J, Duran M, Weitzel JN, Garber J, Hamann U, Embrace, Peock S, Cook M, Oliver CT, Frost D, Platte R, Evans DG, Eeles R, Izatt L, Paterson J, Brewer C, Hodgson S, Morrison PJ, Porteous M, Walker L, Rogers MT, Side LE, Godwin AK, Schmutzler RK, Wappenschmidt B, Laitman Y, Meindl A, Deissler H, Varon Mateeva R, Preisler Adams S, Kast K, Venat Bouvet L, Stoppa Lyonnet D, Chenevix Trench G, Easton DF, Klein RJ, Daly MJ, Friedman E, Dean M, Clark AG, Altshuler DM, Antoniou AC, Couch FJ, Offit K, Gold B {PIEROTTI M, MANOUKIAN S, ZAFFARONI D, RIPAMONTI CB, RADICE P}. Haplotype structure in Ashkenazi Jewish BRCA1 and BRCA2 mutation carriers. *Human Genetics* 2011;130:685-699

97 - Cox DG, Simard J, Sinnett D, Hamdi Y, Soucy P, Ouimet M, Barjhoux L, Verny Pierre C, Mcguffog L, Healey S, Szabo C, Greene MH, Mai PL, Andrulis IL, Ontario Cancer Genetics Network, Thomassen M, Gerdes AM, Caligo MA, Friedman E, Laitman Y, Kaufman B, Paluch SS, Borg A, Karlsson P, Askalmal M, Bustinza GB, Swe Brca Collaborators, Nathanson KL, Domchek SM, Rebbeck TR, Benitez J, Hamann U, Rookus MA, Van Den Ouwendal AM, Ausems MG, Aalfs CM, Van Asperen CJ, Devilee P, Gille HJ, Hebon, Embrace, Peock S, Frost D, Evans DG, Eeles R, Izatt L, Adlard J, Paterson J, Eason J, Godwin AK, Remon MA, Moncoubier V, Gauthier Villars M, Lasset C, Giraud S, Hardouin A, Berthet P, Sobol H, Eisinger F, Bressac De Paillerets B, Caron O, Delnatte C, Gemo Study Collaborators, Goldgar D, Miron A, Ozcelik H, Buys S, Southey MC, Terry MB, Breast Cancer Family Registry, Singer CF, Dressler AC, Tea MK, Hansen TV, Johannsson O, Piedmonte M, Rodriguez GC, Basil JB, Blank S, Toland AE, Montagna M, Isaacs C, Blanco I, Gayther SA, Moysich KB, Schmutzler RK, Wappenschmidt B, Engel C, Meindl A, Ditsch N, Arnold N, Niederacher D, Sutter C, Gadzicki D, Fiebig B, Caldes T, Laframboise R, Nevanlinna H, Chen X, Beesley J, Spurdle AB, Neuhausen SL, Ding YC, Couch FJ, Wang X, PETERLONGO P, MANOUKIAN S, Bernard L, RADICE P, Easton DF, Chenevix Trench G, Antoniou AC, Stoppa Lyonnet D, Mazoyer S, Sinilnikova OM, Consortium Of Investigators Of Modifiers Of Brca1/2. Common variants of the BRCA1 wild-type allele modify the risk of breast cancer in BRCA1 mutation carriers. *Human Molecular Genetics* 2011;20:4732-4747

98 - Figueroa JD, Garcia Closas M, Humphreys M, Platte R, Hopper JL, Southey MC, Apicella C, Hammet F, Schmidt MK, Broeks A, Tollenaar RA, Van'T Veer LJ, Fasching PA, Beckmann MW, Ekici AB, Strick R, Peto J, Dos Santos Silva I, Fletcher O, Johnson N, Sawyer E, Tomlinson I, Kerin M, Burwinkel B, Marme F, Schneeweiss A, Sohn C, Bojesen S, Flyger H, Nordestgaard BG, Benítez J, Milne RL, Arias JI, Zamora MP, Brenner H, Muller H, Arndt V, Rahman N, Turnbull C, Seal S, Renwick A, Brauch H, Justenhoven C, Bruning T, Genica Network, Chang Claude J, Hein R, Wang Gohrke S, Dork T, Schurmann P, Bremer M, Hillemanns P, Nevanlinna H, Heikkilä T, Aittomaki K, Blomqvist C, Bogdanova N, Antonenkova N, Rogov YI, Karstens JH, Bermisheva M, Prokofieva D, Gantcev SH, Khusnutdinova E, Lindblom A, Margolin S, Chenevix Trench G, Beesley J, Chen X, Kconfab Aocs Management Group, Mannermaa A, Kosma VM, Soini Y, Kataja V, Lambrechts D, Yesilyurt BT, Chrisiaens MR, Peeters S, RADICE P, PETERLONGO P, MANOUKIAN S, Barile M, Couch F, Lee AM, Diasio R, Wang X, Giles GG, Severi G, Baglietto L, Maclean C, Offit K, Robson M, Joseph V, Gaudet M, John EM, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, Andrulis I, Knight JA, Mulligan AM, O'Malley FP, Brinton LA, Sherman ME, Lissowska J, Chanock SJ, Hooning M, Martens JW, Van Den Ouwendal AM, Collee JM, Hall P, Czene K, Cox A, Brock IW, Reed MW, Cross SS, Pharoah P, Dunning AM, Kang D, Yoo KY, Noh DY, Ahn SH, Jakubowska A, Lubinski J, Jaworska K, Durda K, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Shen CY, Ding SL, Hsu HM, Yu JC, Anton Culver H, Ziogas A, Ashworth A, Swerdlow A, Jones M, Orr N, Trentham Dietz A, Egan K, Newcomb P, Titus Ernstoff L, Easton D, Spurdle AB. Associations of common variants at 1p11.2 and 14q24.1 (RAD51L1) with breast cancer risk and heterogeneity by tumor subtype: Findings from the Breast Cancer Association Consortium. *Human Molecular Genetics* 2011;20:4693-4706

99 - Maxwell CA, Benítez J, Gómez Baldó L, Osorio A, Bonifaci N, Fernández Ramires R, Costes SV, Guinó E, Chen H, Evans GJ, Mohan P, Català I, Petit A, Aguilar H, Villanueva A, Aytes A, Serra Musach J, Rennert G, Lejbkowicz F, PETERLONGO P, MANOUKIAN S, PEISSEL B, RIPAMONTI CB, Bonanni B, Viel A, Allavena A, Bernard L, RADICE P, Friedman E, Kaufman B, Laitman Y, Dubrovsky M, Milgrom R, Jakubowska

A, Cybulski C, Gorski B, Jaworska K, Durda K, Sukiennicki G, Lubinski J, Shugart YY, Domchek SM, Letrero R, Weber BL, Hogervorst FB, Rookus MA, Collee JM, Devilee P, Ligtenberg MJ, Van Der Luijt RB, Aalfs CM, Waisfisz Q, Wijnen J, Van Roozendaal CEP, Hebon, Embrace, Easton DF, Peock S, Cook M, Oliver C, Frost D, Harrington P, Evans DG, Lalloo F, Eeles R, Izatt L, Chu C, Eccles D, Douglas F, Brewer C, Nevanlinna H, Heikkinen T, Couch FJ, Lindor NM, Wang X, Godwin AK, Caligo MA, Lombardi G, Loman N, Karlsson P, Ehrencreutz H, Von Wachenfeldt A, Swe Brca, Barkardottir RB, Hamann U, Rashid MU, Lasa A, Caldés T, Andrés R, Schmitt M, Assmann V, Stevens K, Offit K, Curado J, Tilgner H, Guigó R, Aiza G, Brunet J, Castellsagué J, Martrat G, Urruticoechea A, Blanco I, Tihomirova L, Goldgar DE, Buys S, John EM, Miron A, Southey M, Daly MB, Bcfr, Schmutzler RK, Wappenschmidt B, Meindl A, Arnold N, Deissler H, Varon Mateeva R, Sutter C, Niederacher D, Imyanitov E, Sinilnikova OM, Stoppa Lyonne D, Mazoyer S, Verny Pierre C, Castera L, De Pauw A, Bignon YJ, Uhrhammer N, Peyrat JP, Vennin P, Fert Ferrer S, Collonge Rame MA, Mortemousque I, Gemo Study Collaborators, Spurdle AB, Beesley J, Chen X, Healey S, Kconfab, Barcellos Hoff MH, Vidal M, Gruber SB, Lazaro C, Capella G, McGuffog L, Nathanson KL, Antoniou AC, Chenevix Trench G, Fleisch MC, Moreno V, Pujana MA. Interplay between BRCA1 and RHAMM regulates epithelial apicobasal polarization and may influence risk of breast cancer. *Plos Biology* 2011;9:e1001199

100 - Stevens KN, Garcia Closas M, Fredericksen Z, Kosel M, Pankratz VS, Hopper JL, Dite GS, Apicella C, Southey MC, Schmidt MK, Broeks A, Van 't Veer LJ, Tollenaar RA, Fasching PA, Beckmann MW, Hein A, Ekici AB, Johnson N, Peto J, Dos Santos Silva I, Gibson L, Sawyer E, Tomlinson I, Kerin MJ, Chanock S, Lissowska J, Hunter DJ, Hoover RN, Thomas GD, Milne RL, Arias Perez JI, González Neira A, Benítez J, Burwinkel B, Meindl A, Schmutzler RK, Bartrar CR, Hamann U, Ko YD, Bruning T, Chang Claude J, Hein R, Wang Gohrke S, Dork T, Schurmann P, Bremer M, Hillemanns P, Bogdanova N, Zalutsky JV, Rogov YI, Antonenka N, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen J, Chenevix Trench G, Chen X, PETERLONGO P, Bonanni B, Bernard L, MANOUKIAN S, Wang X, Cerhan J, Vachon CM, Olson J, Giles GG, Baglietto L, McLean CA, Severi G, John EM, Miron A, Winqvist R, Pylkas K, Jukkola Vuorinen A, Grip M, Andrusilis I, Knight JA, Glendon G, Mulligan AM, Cox A, Brock IW, Elliott G, Cross SS, Pharoah PP, Dunning AM, Pooley KA, Humphreys MK, Wang J, Kang D, Yoo KY, Noh DY, Sangrajrang S, Gabrieau V, Brennan P, McKay J, Anton Culver H, Ziogas A, Couch FJ, Easton DF, Genica Network, Kconfab Investigators, Australian Ovarian Cancer Study Group. Evaluation of variation in the phosphoinositide-3-kinase catalytic subunit alpha oncogene and breast cancer risk. *British Journal Of Cancer* 2011;105:1934-1939

101 - Mulligan AM, Couch FJ, Barrowdale D, Domchek SM, Eccles D, Nevanlinna H, Ramus SJ, Robson M, Sherman M, Spurdle AB, Wappenschmidt B, Lee A, McGuffog L, Healey S, Sinilnikova OM, Janavicius R, Hansen TV, Nielsen FC, Ejlersen B, Osorio A, Munoz Repeto I, Durán M, Godino J, Pertesi M, Benítez J, PETERLONGO P, MANOUKIAN S, PEISSEL B, ZAFFARONI D, CATTANEO E, Bonanni B, Viel A, Pasini B, Papi L, Ottini L, Savarese A, Bernard L, RADICE P, Hamann U, Verheus M, Meijers Heijboer HE, Wijnen J, Gómez García EB, Nelen MR, Kets CM, Seynaeve C, Tilanus Linthorst MM, Van Der Luijt RB, Van Os T, Rookus M, Frost D, Jones JL, Evans DG, Lalloo F, Eeles R, Izatt L, Adlard J, Davidson R, Cook J, Donaldson A, Dorkins H, Gregory H, Eason J, Houghton C, Barwell J, Side LE, McCann E, Murray A, Peock S, Godwin AK, Schmutzler RK, Rhiem K, Engel C, Meindl A, Ruehl I, Arnold N, Niederacher D, Sutter C, Deissler H, Gadzicki D, Kast K, Preisler Adams S, Varon Mateeva R, Schoenbuchner I, Fiebig B, Heinritz W, Schafer D, Gevensleben H, Caux Moncoubier V, Fassy Colcombet M, Cornelis F, Mazoyer S, Léoné M, Boutry Kryza N, Hardouin A, Berthet P, Muller D, Fricker JP, Mortemousque I, Pujol P, Couper I, Lebrun M, Kientz C, Longy M, Sevenet N, Stoppa Lyonnet D, Isaacs C, Caldés T, De La Hoya M, Heikkinen T, Aittomaki K, Blanco I, Lazaro C, Barkardottir RB, Soucy P, Dumont M, Simard J, Montagna M, Tognazzo S, D'Andrea E, Fox S, Yan M, Rebbeck T, Olopade O, Weitzel JN, Lynch HT, Ganz PA, Tomlinson GE, Wang X, Fredericksen Z, Pankratz VS, Lindor NM, Szabo C, Offit K, Sakr R, Gaudet M, Bhatia J, Kauff N, Singer CF, Tea MK, Gschwantler Kaulich D, Fink Retter A, Mai PL, Greene MH, Imyanitov E, O'Malley FP, Ozcelik H, Glendon G, Toland AE, Gerdes AM, Thomassen M, Kruse TA, Jensen UB, Skytte AB, Caligo MA, Soller M, Henriksson K, Wachenfeld VA, Arver B, Stenmark Askimalm M, Karlsson P, Ding YC, Neuhausen SL, Beattie M, Pharoah PD, Moysich KB, Nathanson KL, Karlan BY, Gross J, John EM, Daly MB, Buys SM, Southey MC, Hopper JL, Terry MB, Chung W, Miron AF, Goldgar D, Chenevix Trench G, Easton DF, Andrusilis IL, Antoniou AC, Breast Cancer Family Registry, Embrace, Gemo Study Collaborators, Hebon, Kconfab Investigators, Ontario Cancer Genetics Network, Swe Brca, Cimba. Common breast cancer susceptibility alleles are associated with tumour subtypes in BRCA1 and BRCA2 mutation carriers: results from the Consortium of Investigators of Modifiers of BRCA1/2. *Breast Cancer Research* 2011;13:R110

102 - Mavadat N, Barrowdale D, Andrusilis IL, Domchek SM, Eccles D, Nevanlinna H, Ramus SJ, Spurdle A, Robson M, Sherman M, Mulligan AM, Couch FJ, Engel C, McGuffog L, Healey S, Sinilnikova OM, Southey MC, Terry MB, Goldgar D, O'Malley F, John EM, Janavicius R, Tihomirova L, Hansen TV, Nielsen FC, Osorio A, Stavropoulou A, Benítez J, MANOUKIAN S, PEISSEL B, Barile M, Volorio S, Pasini B, Dolcetti R, Putignano AL, Ottini L, RADICE P, Hamann U, Rashid MU, Hogervorst FB, Krieger M, Van Der Luijt RB, Hebon, Peock S, Frost D, Evans DG, Brewer C, Walker L, Rogers MT, Side LE, Houghton C, Embrace, Weaver J, Godwin AK, Schmutzler RK, Wappenschmidt B, Meindl A, Kast K, Arnold N, Niederacher D, Sutter C, Deissler H, Gadzicki D, Preisler Adams S, Varon Mateeva R, Schonbuchner I, Gevensleben H, Stoppa Lyonnet D, Belotti M, Barjhoux L, Gemo Study Collaborators, Isaacs C, Peshkin BN, Caldés T, De La Hoya M, Canadas C, Heikkinen T, Heikkila P, Aittomaki K, Blanco I, Lazaro C, Brunet J, Agnarsson BA, Arason A, Barkardottir RB, Dumont M, Simard J, Montagna M, Agata S, D'Andrea E, Yan M, Fox S, Kconfab Investigators, Rebbeck TR, Rubinstein W, Tung N, Garber JE, Wang X, Fredericksen Z, Pankratz VS, Lindor NM, Szabo C, Offit K, Sakr R, Gaudet MM, Singer CF, Tea MK, Rappaport C, Mai PL, Greene MH, Sokolenko A, Imyanitov E, Toland AE, Senter L, Sweet K, Thomassen M, Gerdes AM, Kruse T, Caligo M, Aretini P, Rantala J, Von Wachenfeld A, Henriksson K, Swe Brca Collaborators, Steele L, Neuhausen SL, Nussbaum R, Beattie M, Odunsi K, Sucheston L, Gayther SA, Nathanson K, Gross J, Walsh C, Karlan B, Chenevix Trench G, Easton DF, Antoniou AC, Consortium Of Investigators Of Modifiers Of Brca1/2. Pathology of breast and ovarian cancers among BRCA1 and BRCA2 mutation carriers: Results from the consortium of investigators of modifiers of BRCA1/2 (CIMBA). *Cancer Epidemiology Biomarkers & Prevention* 2012;21:134-147

103 - Spurdle AB, Healey S, Devereau A, Hogervorst FB, Monteiro AN, Nathanson KL, RADICE P, Stoppa Lyonnet D, Tavtigian S, Wappenschmidt B, Couch FJ, Goldgar DE, Enigma {PEISSEL B}. ENIGMA-evidence-based network for the interpretation of germline mutant alleles: An international initiative to evaluate risk and clinical significance associated with sequence variation in BRCA1 and BRCA2 genes. *Human Mutation* 2012;33:2-7

104 - CATUCCI I, COLOMBO M, VERDERIO P, Bernard L, Ficarazzi F, Mariette F, Barile M, PEISSEL B, CATTANEO E, MANOUKIAN S, RADICE P, PETERLONGO P. Sequencing analysis of SLX4/FANCP gene in Italian familial breast cancer cases. *Plos One* 2012;7:e31038

105 - Couch FJ, Gaudet MM, Antoniou AC, Ramus SJ, Kuchenbaecker KB, Soucy P, Beesley J, Chen X, Wang X, Kirchhoff T, McGuffog L, Barrowdale D, Lee A, Healey S, Sinilnikova OM, Andrusilis IL, Ognn, Ozcelik H, Mulligan AM, Thomassen M, Gerdes AM, Jensen UB, Skytte AB, Kruse TA, Caligo MA, Von Wachenfeld A, Barbany Bustinza G, Loman N, Soller M, Ehrencreutz H, Karlsson P, Swe Brca, Nathanson KL, Rebbeck TR, Domchek SM, Jakubowska A, Lubinski J, Jaworska K, Durda K, Zlowocka E, Huzarski T, Byrski T, Gronwald J, Cybulski C, Gorski B, Osorio A, Duran M, Tejada MI, Benitez J, Hamann U, Hogervorst FB, Hebon, Van Os TA, Van Leeuwen FE, Meijers Heijboer HE, Wijnen J, Blok MJ, Kets M,

Hooning MJ, Oldenburg RA, Ausems MG, Peacock S, Frost D, Ellis SD, Platte R, Fineberg E, Evans DG, Jacobs C, Eeles RA, Adlard J, Davidson R, Eccles DM, Cole T, Cook J, Paterson J, Brewer C, Douglas F, Hodgson SV, Morrison PJ, Walker L, Porteous ME, Kennedy MJ, Side LE, Embrace, Bove B, Godwin AK, Stoppa Lyonnet D, Gemo Study Collaborators, Fassy Colcomet M, Castera L, Cornelis F, Mazoyer S, Leone M, Boutry Kryza N, Bressac De Pailletets B, Caron O, Pujol P, Coupier I, Delnatté C, Akoul L, Lynch HT, Snyder CL, Buys SS, Daly MB, Terry M, Chung WK, John EM, Miron A, Southe MC, Hopper JL, Goldgar DE, Singer CF, Rappaport C, Tea MK, Fink Retter A, Hansen TV, Nielsen FC, Arason A, Vija J, Shah S, Sarrel K, Robson ME, Piedmonte M, Phillips K, Basil J, Rubinstein WS, Boggess J, Wakeley K, Ewart Toland A, Montagna M, Agata S, Imyanitov EN, Isaacs C, Janavicius R, Lazaro C, Blanco I, Feliubadalo L, Brunet J, Gayther SA, Pharoah PP, Odunsi KO, Karlan BY, Walsh CS, Olah E, Teo SH, Ganz PA, Beattie MS, Van Rensburg EJ, Dorfling CM, Diez O, Kwong A, Schmutzler RK, Wappenschmidt B, Engel C, Meindl A, Ditsch N, Arnold N, Heidemann S, Niederacher D, Preisler Adams S, Gadzicki D, Varon Mateeva R, Deissler H, Gehrig A, Sutter C, Kast K, Fiebig B, Heinritz W, Caldes T, De La Hoya M, Muranen TA, Nevanlinna H, Tischkowitz MD, Spurdle AB, Neuhausen SL, Ding YC, Lindor NM, Fredericksen Z, Pankratz VS, PETERLONGO P, MANOUKIAN S, PEISSEL B, ZAFFARONI D, Barile M, Bernard L, Viel A, Giannini G, Varesco L, RADICE P, Greene MH, Mai PL, Easton DF, Chenevix Trench G, Kconfab Investigators, Offit K, Simard J, Consortium Of Investigators Of Modifiers Of Brca1/2. Common variants at the 19p13.1 and ZNF365 loci are associated with ER subtypes of breast cancer and ovarian cancer risk in BRCA1 and BRCA2 mutation carriers. *Cancer Epidemiology Biomarkers & Prevention* 2012;21:645-657

106 - Brewster BL, Rossiello F, French JD, Edwards SL, Wong M, Wronski A, Whiley P, Waddell N, Chen X, Bove B, Kconfab, Hopper JL, John EM, Andrusilis I, Daly M, Volorio S, Bernard L, PEISSEL B, MANOUKIAN S, Barile M, PIZZAMIGLIO S, VERDERIO P, Spurdle AB, RADICE P, Godwin AK, Southe MC, Brown MA, PETERLONGO P. Identification of fifteen novel germline variants in the BRCA1 3'UTR reveals a variant in a breast cancer case that introduces a functional miR-103 target site. *Human Mutation* 2012;33:1665-1675

107 - Stevens KN, Fredericksen Z, Vachon CM, Wang X, Margolin S, Lindblom A, Nevanlinna H, Greco D, Aittomaki K, Blomqvist C, Chang Claude J, Vrielink A, Flesch Janys D, Sinn HP, Wang Gohrke S, Nickels S, Brauch H, Genica Network, Ko YD, Fischer HP, Schmutzler RK, Meindl A, Bartram CR, Schott S, Engel C, Godwin AK, Weaver J, Pathak HB, Sharma P, Brenner H, Muller H, Arndt V, Stegmaier C, Miron P, Yannoukakos D, Stavropoulou A, Fountzilas G, Gogas HJ, Swann R, Dwek M, Perkins A, Milne RL, Benitez J, Zamora MP, Arias Perez JL, Bojesen SE, Nielsen SF, Nordestgaard BG, Flyger H, Guenel P, Truong T, Menegaux F, Cordina Duverger E, Burwinkel B, Marme F, Schneeweiss A, Sohn C, Sawyer E, Tomlinson I, Kerin MJ, Peto J, Johnson N, Fletcher O, Dos Santos Silva I, Fasching PA, Beckmann MW, Hartmann A, Ekici AB, Lophatananon A, Muir K, Puttawibul P, Wiangnon S, Schmidt MK, Broeks A, Braaf LM, Rosenberg EH, Hopper JL, Apicella C, Park DJ, Southe MC, Swerdlow AJ, Ashworth A, Orr N, Schoemaker MJ, Anton Culver H, Ziogas A, Bernstein L, Dur CC, Shen CY, Yu JC, Hsu HM, Hsiung CN, Hamann U, Dunnebier T, Rudiger T, Ulmer HU, Pharoah PP, Dunning AM, Humphreys MK, Wang Q, Cox A, Cross SS, Reed MW, Hall P, Czene K, Ambrosone CB, Ademuyiwa F, Hwang H, Eccles DM, Garcia Closas M, Figueiroa JD, Sherman ME, Lissowska J, Devilee P, Seynaeve C, Tollenaar RA, Hooning MJ, Andrusilis IL, Knight JA, Glendon G, Mulligan AM, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, John EM, Miron A, Alnaes GG, Kristensen V, Borresen Dale AL, Giles GG, Baglietto L, McLean CA, Severi G, Kosek ML, Pankratz VS, Slager S, Olson JE, RADICE P, PETERLONGO P, MANOUKIAN S, Barile M, Lambrechts D, Hatse S, Dieudonne AS, Christiaens MR, Chenevix Trench G, Kconfab Investigators, Aocs Group, Beesley J, Chen X, Mannermaa A, Kosma VM, Hartikainen JM, Soini Y, Easton DF, Couch FJ. 19p13.1 Is a triple-negative-specific breast cancer susceptibility locus. *Cancer Research* 2012;72:1795-1803

108 - Antoniou AC, Kuchenbaecker KB, Soucy P, Beesley J, Chen X, McGuffog L, Lee A, Barrowdale D, Healey S, Sinilnikova OM, Caligo MA, Loman N, Harbst K, PETERLONGO P, MANOUKIAN S, PEISSEL BG, ZAFFARONI D, Bonanni B, Bernard L, Dolcetti R, Papi L, Ottini L, RADICE P, Greene MH, Et Al. Common variants at 12p11, 12q24, 9p21, 9q31.2 and in ZNF365 are associated with breast cancer risk for BRCA1 and/or BRCA2 mutation carriers. *Breast Cancer Research* 2012;14:33

109 - Ramus SJ, Antoniou AC, Kuchenbaecker KB, Soucy P, Beesley J, Chen X, McGuffog L, Sinilnikova OM, Healey S, Barrowdale D, Lee A, PETERLONGO P, MANOUKIAN S, PEISSEL BG, ZAFFARONI D, Bonanni B, Bernard L, Dolcetti R, Papi L, Ottini L, RADICE P, Greene MH, Et Al. Ovarian cancer susceptibility alleles and risk of ovarian cancer in BRCA1 and BRCA2 mutation carriers. *Human Mutation* 2012;33:690-702

110 - Ghousaini M, Fletcher O, Michailidou K, Turnbull C, Schmidt MK, Dicks E, Dennis J, Wang Q, Humphreys MK, Luccarini C, Baynes C, Conroy D, Maranian M, Ahmed S, Driver K, Johnson N, Orr N, Dos Santos Silva I, Waisfisz Q, Meijers Heijboer H, Uitterlinden AG, Rivadeneira F, Netherlands Collaborative Group On Hereditary Breast And Ovarian Cancer (Hebon), Hall P, Czene K, Irwanto A, Liu J, Nevanlinna H, Aittomaki K, Blomqvist C, Meindl A, Schmutzler RK, Muller Myhsok B, Lichtner P, Chang Claude J, Hein R, Nickels S, Flesch Janys D, Tsimiklis H, Makalic E, Schmidt D, Bui M, Hopper JL, Apicella C, Park DJ, Southe MC, Hunter DJ, Chanock SJ, Broeks A, Verhoef S, Hogervorst FB, Fasching PA, Lux MP, Beckmann MW, Ekici AB, Sawyer E, Tomlinson I, Kerin M, Marme F, Schneeweiss A, Sohn C, Burwinkel B, Guenel P, Truong T, Cordina Duverger E, Menegaux F, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Milne RL, Alonso MR, Gonzalez Neira A, Benitez J, Anton Culver H, Ziogas A, Bernstein L, Dur CC, Brenner H, Muller H, Arndt V, Stegmaier C, Familial Breast Cancer Study (Fbcs), Justenhoven C, Brauch H, Bruning T, Gene Environment Interaction Of Breast Cancer In Germany (Genica) Network, Wang Gohrke S, Eilber U, Dork T, Schurmann P, Bremer M, Hillemanns P, Bogdanova NV, Antonenkova NN, Rogov YI, Karstens JH, Bermisheva M, Prokofieva D, Khusnutdinova E, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Lambrechts D, Yesilyurt BT, Floris G, Leunen K, MANOUKIAN S, Bonanni B, Fortuzzi S, PETERLONGO P, Couch FJ, Wang X, Stevens K, Lee A, Giles GG, Baglietto L, Severi G, McLean C, Alnaes GG, Kristensen V, Borrensen Dale AL, John EM, Miron A, Winquist R, Pylkas K, Jukkola Vuorinen A, Kauppila S, Andrusilis IL, Glendon G, Mulligan AM, Devilee P, Van Asperen CJ, Tollenaar RA, Seynaeve C, Figueiroa JD, Garcia Closas M, Brinton L, Lissowska J, Hooning MJ, Hollestelle A, Oldenburg RA, Van Den Ouwendal AM, Cox A, Reed MW, Shah M, Jakubowska A, Lubinski J, Jaworska K, Durda K, Jones M, Schoemaker M, Ashworth A, Swerdlow A, Beesley J, Chen X, Kconfab Investigators, Australian Ovarian Cancer Study Group, Muir KR, Lophatananon A, Rattanamongkongul S, Chaiwerawattana A, Kang D, Yoo KY, Noh DY, Shen CY, Yu JC, Wu PE, Hsiung CN, Perkins A, Swann R, Velentzis L, Eccles DM, Tapper WJ, Gerty SM, Graham NJ, Ponder BA, Chenevix Trench G, Pharoah PD, Lathrop M, Dunning AM, Rahman N, Peto J, Easton DF. Genome-wide association analysis identifies three new breast cancer susceptibility loci. *Nature Genetics* 2012;44:312-318

111 - Jakubowska A, Rozkrut D, Antoniou A, Hamann U, Scott RJ, McGuffog L, Healy S, Sinilnikova OM, Rennert G, Lejbkowicz F, Flugelman A, Andrusilis IL, Glendon G, Ozcelik H, Ocgn, Thomassen M, Paligo M, Aretini P, Swe Brca, Kantala J, Aroer B, Von Wachenfeldt A, Liljegren A, Loman N, Herbst K, Kristoffersson U, Rosenquist R, Karlsson P, Stenmark Askmal M, Melin B, Nathanson KL, Domchek SM, Byrski T, Huzarski T, Gronwald J, Menkiszak J, Cybulski C, Serrano P, Osorio A, Cajal TR, Tsitlaidou M, Benitez J, Gilbert M, Hebon, Rookus M, Aalfs CM, Kluitj I, Boessenkool Pape JL, Meijers Heijboer HE, Oosterwijk JC, Van Asperen CJ, Blok MJ, Nelen MR, Van Den Ouwendal AM, Seynaeve C, Van Der Luijt RB, Devilee P, Embrace, Easton DF, Peacock S, Frost D, Platte R, Ellis SD, Fineberg E, Evans DG, Laloo F, Eeles R, Jacobs C, Adlard J, Davidson R, Eccles D, Cole T, Cook J, Godwin A, Bove B, Gemo Study Collaborators, Stoppa Lyonnet D, Caux Moncoutier V, Belotti M, Tirapo C,

Mazoyer S, Barjhoux L, Boutry Kryza N, Pujol P, Coupier I, Peyrat JP, Vennin P, Muller D, Fricker JP, Venat Bouvet L, Johannsson OT, Isaacs C, Schmutzler R, Wappenschmidt B, Meindl A, Arnold N, Varon Mateeva R, Niederacher D, Sutter C, Deissler H, Preisler Adams S, Simard J, Soucy P, Durocher F, Chenevix Trench G, Beesley J, Chen X, Kconfab, Rebbeck T, Couch F, Wang X, Lindor N, Fredericksen Z, Pankratz VS, PETERLONGO P, Bonanni B, Fortuzzi S, PEISSEL B, Szabo C, Mai PL, Loud JT, Lubinski J, Cimba, The Consortium Of Investigators Of Modifiers Of Brca1/2 Related Cancer. Association of PHB 1630 C>T and MTHFR 677 C>T polymorphisms with breast and ovarian cancer risk in BRCA1/2 mutation carriers: Results from a multicenter study. *British Journal Of Cancer* 2012;106:2016-2024

112 - Lambrechts D, Truong T, Justenhoven C, Humphreys MK, Wang J, Hopper JL, Dite GS, Apicella C, Southey MC, Schmidt MK, Broeks A, Cornelissen S, Van Hien R, Sawyer E, Tomlinson I, Kerin M, Miller N, Milne RL, Zamora MP, Pérez JI, Benítez J, Hamann U, Ko YD, Bruning T, Genica Network, Chang Claude J, Elber U, Hein R, Nickels S, Flesch Janys D, Wang Gohrke S, John EM, Miron A, Winqvist R, Pylkas K, Jukkola Vuorinen A, Grip M, Chenevix Trench G, Beesley J, Chen X, Investigators Kconfab, Australian Ovarian Cancer Study Group, Menegaux F, Cordina Duverger E, Shen CY, Yu JC, Wu PE, Hou MF, Andrulis IL, Selander T, Glendon G, Mulligan AM, Anton Culver H, Ziogas A, Muir KR, Lophatananon A, Rattanamongkongul S, Puttawibul P, Jones M, Orr N, Ashworth A, Swerdlow A, Severi G, Baglietto L, Giles G, Southey M, Marmer F, Schneeweiss A, Sohn C, Burwinkel B, Yesilyurt BT, Neven P, Paridaens R, Wildiers H, Brenner H, Muller H, Arndt V, Stegmaier C, Meindl A, Schott S, Bartram CR, Schmutzler RK, Cox A, Brock IW, Elliott G, Cross SS, Fasching PA, Schulz Wendtland R, Ekici AB, Beckmann MW, Fletcher O, Johnson N, Silva IDS, Peto J, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Dork T, Schurmann P, Bremer M, Hillemanns P, Bogdanova NV, Antonenkova NN, Rogov YI, Karstens JH, Khusnutdinova E, Bermisheva M, Prokofyeva D, Gancev S, Jakubowska A, Lubinski J, Jaworska K, Durda K, Nordestgaard BG, Bojesen SE, Lanng C, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, RADICE P, PETERLONGO P, MANOUKIAN S, Bernard L, Couch FJ, Olson JE, Wang X, Fredericksen Z, Alnaes GG, Kristensen V, Borresen Dale AL, Devilee P, Tollenaar RA, Seynaeve CM, Hooning MJ, Garcia Closas M, Chanock SJ, Lissowska J, Sherman ME, Hall P, Liu J, Czene K, Kang D, Yoo KY, Noh DY, Lindblom A, Margolin S, Dunning AM, Pharoah PD, Easton DF, Guelen P, Brauch H. 11q13 is a susceptibility locus for hormone receptor positive breast cancer. *Human Mutation* 2012;33:1123-1132

113 - CATUCCI I, VERDERIO P, PIZZAMIGLIO S, Bernard L, Dall'Olio V, Sardella D, RAVAGNANI F, Galastri L, Barile M, PEISSEL B, ZAFFARONI D, MANOUKIAN S, RADICE P, PETERLONGO P. The SNP rs895819 in miR-27a is not associated with familial breast cancer risk in Italians. *Breast Cancer Research And Treatment* 2012;133:805-807

114 - Ottini L, Silvestri V, Rizzolo P, Falchetti M, Zanna I, Saieva C, Masala G, Bianchi S, MANOUKIAN S, Barile M, PETERLONGO P, Varesco L, Tommasi S, Russo A, Giannini G, Cortesi L, Viel A, Montagna M, RADICE P, Palli D. Clinical and pathologic characteristics of BRCA-positive and BRCA-negative male breast cancer patients: Results from a collaborative multicenter study in Italy. *Breast Cancer Research And Treatment* 2012;134:411-418

115 - Hein R, Maranian M, Hopper JL, Kapuscinski MK, Southey MC, Park DJ, Schmidt MK, Broeks A, Hogervorst FB, Bueno De Mesquita HB, Muir KR, Lophatananon A, Rattanamongkongul S, Puttawibul P, Fasching PA, Hein A, Ekici AB, Beckmann MW, Fletcher O, Johnson N, Dos Santos Silva I, Peto J, Sawyer E, Tomlinson I, Kerin M, Miller N, Marmee F, Schneeweiss A, Sohn C, Burwinkel B, Guénel P, Cordina Duverger E, Menegaux F, Truong T, Bojesen SE, Nordestgaard BG, Flyger H, Milne RL, Arias Perez JI, Zamora MP, Benítez J, Anton Culver H, Ziogas A, Bernstein L, Clarke CA, Brenner H, Muller H, Arndt V, Stegmaier C, Rahman N, Seal S, Turnbull C, Renwick A, Meindl A, Schott S, Bartram CR, Schmutzler RK, Brauch H, Hamann U, Ko YD, Genica Network, Wang Gohrke S, Dork T, Schurmann P, Karstens JH, Hillemanns P, Nevanlinna H, Heikkinen T, Aittomaki K, Blomqvist C, Bogdanova NV, Antonenkova NN, Bermisheva M, Prokofyeva D, Farahtdinova A, Khusnutdinova E, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen J, Chen X, Beesley J, Kconfab Investigators, Aocs Group, Lambrechts D, Zhao H, Neven P, Wildiers H, Nickels S, Flesch Janys D, RADICE P, PETERLONGO P, MANOUKIAN S, Barile M, Couch FJ, Olson JE, Wang X, Fredericksen Z, Giles GG, Baglietto L, Mclean CA, Severi G, Offit K, Robson M, Gaudet MM, Vijai J, Alnaes GG, Kristensen V, Borresen Dale AL, John EM, Miron A, Winqvist R, Pylkas K, Jukkola Vuorinen A, Grip M, Andrulis IL, Knight JA, Glendon G, Mulligan AM, Figueroa JD, Garcia Closas M, Lissowska J, Sherman ME, Hooning M, Martens JW, Seynaeve C, Collee M, Hall P, Humpreys K, Czene K, Liu J, Cox A, Brock IW, Cross SS, Reed MW, Ahmed S, Ghousaini M, Pharoah PD, Kang D, Yoo KY, Noh DY, Jakubowska A, Jaworska K, Durda K, Zlowocka E, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Shen CY, Yu JC, Hsu HM, Hou MF, Orr N, Schoemaker M, Ashworth A, Swerdlow A, Trentham Dietz A, Newcomb PA, Titus L, Egan KM, Chenevix Trench G, Antoniou AC, Humphreys MK, Morrison J, Chang Claude J, Easton DF, Dunning AM. Comparison of 6q25 breast cancer hits from Asian and European genome wide association studies in the Breast Cancer Association consortium (BCAC). *Plos One* 2012;7:e42380

116 - Fasching PA, Pharoah PD, Cox A, Nevanlinna H, Bojesen SE, Karn T, Broeks A, Van Leeuwen FE, Van'T Veer LJ, Udo R, Dunning AM, Greco D, Aittomaki K, Blomqvist C, Shah M, Nordestgaard BG, Flyger H, Hopper JL, Southey MC, Apicella C, Garcia Closas M, Sherman M, Lissowska J, Seynaeve C, Huijts PE, Tollenaar RA, Ziogas A, Ekici AB, Rauh C, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Andrulis IL, Ozcelik H, Mulligan AM, Glendon G, Hall P, Czene K, Liu J, Chang Claude J, Wang Gohrke S, Elber U, Nickels S, Dork T, Schiekell M, Bremer M, Park Simon TW, Giles GG, Severi G, Baglietto L, Hooning MJ, Martens JW, Jager A, Kriege M, Lindblom A, Margolin S, Couch FJ, Stevens KN, Olson JE, Kosel M, Cross SS, Balasubramanian SP, Reed MW, Miron A, John EM, Winqvist R, Pylkas K, Jukkola Vuorinen A, Kauppila S, Burwinkel B, Marmer F, Schneeweiss A, Sohn C, Chenevix Trench G, Kconfab Investigators, Lambrechts D, Dieudonne AS, Hatse S, Van Limbergen E, Benítez J, Milne RL, Zamora MP, Arias Perez JI, Bonanni B, PEISSEL B, Loris B, PETERLONGO P, Rajaraman P, Schonfeld SJ, Anton Culver H, Devilee P, Beckmann MW, Slamon DJ, Phillips KA, Figueroa JD, Humphreys MK, Easton DF, Schmidt MK. The role of genetic breast cancer susceptibility variants as prognostic factors. *Human Molecular Genetics* 2012;21:3926-3939

117 - Hilbers FS, Wijnen JT, Hoogerbrugge N, Oosterwijk JC, Collee MJ, PETERLONGO P, RADICE P, MANOUKIAN S, Feroce I, Capra F, Couch FJ, Wang X, Guidugli L, Offit K, Shah S, Campbell IG, Thompson ER, James PA, Trainer AH, Gracia J, Benítez J, Van Asperen CJ, Devilee P. Rare variants in XRCC2 as breast cancer susceptibility alleles. *Journal Of Medical Genetics* 2012;49:618-620

118 - Warren H, Dudbridge F, Fletcher O, Orr N, Johnson N, Hopper JL, Apicella C, Southey MC, Mahmoodi M, Schmidt MK, Broeks A, Cornelissen S, Braaf LM, Muir KR, Lophatananon A, Chaiwerawattana A, Wiangnon S, Fasching PA, Beckmann MW, Ekici AB, Schulz Wendtland R, Sawyer EJ, Tomlinson I, Kerin M, Burwinkel B, Marmer F, Schneeweiss A, Sohn C, Guénel P, Truong T, Laurent Puig P, Mulot C, Bojesen SE, Nielsen SF, Flyger H, Nordestgaard BG, Milne RL, Benítez J, Arias Perez JI, Zamora MP, Anton Culver H, Ziogas A, Bernstein L, Dur CC, Brenner H, Muller H, Arndt V, Langheinz A, Meindl A, Golatta M, Bartram CR, Schmutzler RK, Brauch H, Justenhoven C, Bruning T, Genica Network, Chang Claude J, Wang Gohrke S, Elber U, Dork T, Schurmann P, Bremer M, Hillemanns P, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Bogdanova NV, Antonenkova NN, Rogov Y, Bermisheva M, Prokofyeva D, Zinnatullina G, Khusnutdinova E, Lindblom A, Margolin S, Mannermaa A, Kosma VM, Hartikainen JM, Kataja V, Chenevix Trench G, Beesley J, Chen X, Kconfab Investigators, Australian Ovarian Cancer Study Group,

Lambrechts D, Smeets A, Paridaens R, Weltens C, Flesch Janys D, Buck K, Behrens S, PETERLONGO P, Bernard L, MANOUKIAN S, RADICE P, Couch FJ, Vachon C, Wang X, Olson J, Giles G, Baglietto L, Mclean CA, Severi G, John EM, Miron A, Winqvist R, Pylkas K, Jukkola Vuorinen A, Grip M, Andrulis IL, Knight JA, Mulligan AM, Weerasooriya N, Devilee P, Tollenaar RA, Martens JW, Seynaeve CM, Hooning MJ, Hollestelle A, Jager A, Tilanus Linthorst MM, Hall P, Czene K, Liu J, Li J, Cox A, Cross SS, Brock IW, Reed MW, Pharoah P, Blows FM, Dunning AM, Ghousaini M, Ashworth A, Swerdlow A, Jones M, Schoemaker M, Easton DF, Humphreys M, Wang Q, Peto J, Dos Santos Silva I. 9q31.2-rs865686 as a susceptibility locus for estrogen receptor-positive breast cancer: Evidence from the Breast Cancer Association Consortium. *Cancer Epidemiology Biomarkers & Prevention* 2012;21:1783-1791

119 - TRECATE G, AGRESTI R, SUMAN L, VERGNAGHI D, VALERI B, MARCHESINI M, FERRANTI C, FERRARIS C, MANOUKIAN S, SCAPERROTTA G, VIGANÒ S, PANIZZA P. What is specific in hereditary breast cancer? High T2 signal intensity as a new semeiotic pattern? *European Journal Of Radiology* 2012;81 Suppl 1:S165-S170

120 - RIPAMONTI CB, COLOMBO M, MONDINI P, MANOUKIAN S, PEISSEL B, Bernard L, RADICE P, CARCANGIU ML. First description of an acinic cell carcinoma of the breast in a BRCA1 mutation carrier: A case report. *Bmc Cancer* 2013;13:46

121 - Gracia Aznarez FJ, Fernandez V, Pita G, PETERLONGO P, Dominguez O, De La Hoya M, Duran M, Osorio A, Moreno L, Gonzalez Neira A, Rosa Rosa JM, Sinilnikova O, Mazoyer S, Hopper J, Lazaro C, Southey M, Odefrey F, MANOUKIAN S, Catucci I, Caldes T, Lynch HT, Hilbers FS, Van Asperen CJ, Vasen HF, Goldgar D, RADICE P, Devilee P, Benitez J. Whole Exome Sequencing Suggests Much of Non-BRCA1/BRCA2 Familial Breast Cancer Is Due to Moderate and Low Penetrance Susceptibility Alleles. *Plos One* 2013;8:e55681

122 - COLOMBO M, DE VECCHI G, CALECA L, FOGLIA C, RIPAMONTI CB, Ficarazzi F, Barile M, Varesco L, PEISSEL B, MANOUKIAN S, RADICE P. Comparative In Vitro and In Silico Analyses of Variants in Splicing Regions of BRCA1 and BRCA2 Genes and Characterization of Novel Pathogenic Mutations. *Plos One* 2013;8:e57173

123 - MANOUKIAN S, VERDERIO P, Tabano S, Colapietro P, PIZZAMIGLIO S, Grati FR, Calvello M, PEISSEL B, Burn J, Pensotti V, Allemani C, Sircchia SM, RADICE P, Miozzo M. X chromosome inactivation pattern in BRCA gene mutation carriers. *European Journal Of Cancer* 2013;49:1136-1141

124 - Ottini L, Silvestri V, Saieva C, Rizzolo P, Zanna I, Falchetti M, Masala G, Navazio AS, Graziano V, Bianchi S, MANOUKIAN S, Barile M, PETERLONGO P, D'Amico C, Varesco L, Tommasi S, Russo A, Giannini G, Cortesi L, Viel A, Montagna M, RADICE P, Palli D. Association of low-penetrance alleles with male breast cancer risk and clinicopathological characteristics: Results from a multicenter study in Italy. *Breast Cancer Research And Treatment* 2013;138:861-868

125 - Garcia Closas M, Couch FJ, Lindstrom S, Michailidou K, Schmidt MK, Brook MN, Orr N, Rhie SK, Riboli E, Feigelson HS, Le Marchand L, Buring JE, Eccles D, Miron P, Fasching PA, Brauch H, Chang Claude J, Carpenter J, Godwin AK, Nevanlinna H, Giles GG, Cox A, Hopper JL, Bolla MK, Wang Q, Dennis J, Dicks E, Howat WJ, Schoof N, Bojesen SE, Lambrechts D, Broeks A, Andrulis IL, Guénél P, Burwinkel B, Sawyer EJ, Hollestelle A, Fletcher O, Winqvist R, Brenner H, Mannermaa A, Hamann U, Meindl A, Lindblom A, Zheng W, Devilee P, Goldberg MS, Lubinski J, Kristensen V, Swerdlow A, Anton Culver H, Dork T, Muir K, Matsuo K, Wu AH, RADICE P, Teo SH, Shu XO, Blot W, Kang D, Hartman M, Sangrajrang S, Shen CY, Southey MC, Park DJ, Hammet F, Stone J, Veer LJ, Rutgers EJ, Lophatananon A, Stewart Brown S, Siriwanarangsang P, Peto J, Schrauder MG, Ekici AB, Beckmann MW, Dos Santos Silva I, Johnson N, Warren H, Tomlinson I, Kerin MJ, Miller N, Marme F, Schneeweiss A, Sohn C, Truong T, Laurent Puig P, Kerbrat P, Nordestgaard BG, Nielsen SF, Flyger H, Milne RL, Perez JI, Menéndez P, Muller H, Arndt V, Stegmaier C, Lichtner P, Lochmann M, Justenhoven C, Ko YD, Gene Environmental Interaction And Breast Cancer (Genica) Network, Muranen TA, Aittomaki K, Blomqvist C, Greco D, Heikkinen T, Ito H, Iwata H, Yatabe Y, Antonenka NN, Margolin S, Kataja V, Kosma VM, Hartikainen JM, Balleine R, Kconfab Investigators, Tseng CC, Berg DV, Stram DO, Neven P, Dieudonne AS, Leunen K, Rudolph A, Nickels S, Flesch Janys D, PETERLONGO P, PEISSEL B, Bernard L, Olson JE, Wang X, Stevens K, Severi G, Baglietto L, Mclean C, Coetze GA, Feng Y, Henderson BE, Schumacher F, Bogdanova NV, Labreche F, Dumont M, Yip CH, Taib NA, Cheng CY, Shrubssole M, Long J, Pylkas K, Jukkola Vuorinen A, Kauppila S, Knight JA, Glendon G, Mulligan AM, Tollenaar RA, Seynaeve CM, Kriege M, Hooning MJ, Van Den Ouweland AM, Van Deurzen CH, Lu W, Gao YT, Cai H, Balasubramanian SP, Cross SS, Reed MW, Signorello L, Cai Q, Shah M, Miao H, Chan CW, Chia KS, Jakubowska A, Jaworska K, Durda K, Hsiung CN, Wu PE, Yu JC, Ashworth A, Jones M, Tessier DC, Gonzalez Neira A, Pita G, Alonso MR, Vincent D, Bacot F, Ambrosone CB, Bandera EV, John EM, Chen GK, Hu JJ, Rodriguez Gil JL, Bernstein L, Press MF, Ziegler RG, Millikan RM, Deming Halverson SL, Nyante S, Ingles SA, Waisfisz Q, Tsimiklis H, Makalic E, Schmidt D, Bui M, Gibson L, Muller Myhsok B, Schmutzler RK, Hein R, Dahmen N, Beckmann L, Altonen K, Czene K, Irwanto A, Liu J, Turnbull C, Familial Breast Cancer Study (Fbcs), Rahman N, Meijers Heijboer H, Uitterlinden AG, Rivadeneira F, Australian Breast Cancer Tissue Bank (Abctb) Investigators, Olszwold C, Slager S, Pilarski R, Ademuyiwa F, Konstantopoulou I, Martin NG, Montgomery GW, Slamon DJ, Rauh C, Lux MP, Jud SM, Bruning T, Weaver J, Sharma P, Pathak H, Tapper W, Gerty S, Durcan L, Trichopoulos D, Tumino R, Peeters PH, Kaaks R, Campa D, Canzian F, Weiderpass E, Johansson M, Khaw KT, Travis R, Clavel Chapelon F, Kolonel LN, Chen C, Beck A, Hankinson SE, Berg CD, Hoover RN, Lissowska J, Figueiredo JD, Chasman DL, Gaudet MM, Diver WR, Willett WC, Hunter DJ, Simard J, Benitez J, Dunning AM, Sherman ME, Chenevix Trench G, Chanock SJ, Hall P, Pharoah PD, Vachon C, Easton DF, Haiman CA, Kraft P. Genome-wide association studies identify four ER negative-specific breast cancer risk loci. *Nature Genetics* 2013;45:392-398

126 - Bojesen SE, Pooley KA, Johnatty SE, Beesley J, Michailidou K, Tyrer JP, Edwards SL, Pickett HA, Shen HC, Smart CE, Hillman KM, Mai PL, Lawrenson K, Stutz MD, Lu Y, Karevan R, Woods N, Johnston RL, French JD, Chen X, Weischer M, Nielsen SF, Maranian MJ, Ghousaini M, Ahmed S, Baynes C, Bolla MK, Wang Q, Dennis J, McGuffog L, Barrowdale D, Lee A, Healey S, Lush M, Tessier DC, Vincent D, Bacot F, Australian Cancer Study, Australian Ovarian Cancer Study, Kathleen Cunningham Foundation Consortium For Research Into Familial Breast Cancer (Kconfab), Gene Environment Interaction And Breast Cancer (Genica), Swedish Breast Cancer Study (Swe Brca), Hereditary Breast And Ovarian Cancer Research Group Netherlands (Hebon), Epidemiological Study Of Brca1 & Brca2 Mutation Carriers (Embrace), Genetic Modifiers Of Cancer Risk In Brca1/2 Mutation Carriers (Gemo), Vergote I, Lambrechts S, Despierre E, Risch HA, Gonzalez Neira A, Rossing MA, Pita G, Doherty JA, Alvarez N, Larson MC, Fridley BL, Schoof N, Chang Claude J, Cicek MS, Peto J, Kalli KR, Broeks A, Armasu SM, Schmidt MK, Braaf LM, Winterhoff B, Nevanlinna H, Konecny GE, Lambrechts D, Rogmann L, Guelen P, Teoman A, Milne RL, Garcia JJ, Cox A, Shridhar V, Burwinkel B, Marme F, Hein R, Sawyer EJ, Haiman CA, Wang Gohrke S, Andrulis IL, Moysich KB, Hopper JL, Odunsi K, Lindblom A, Giles GG, Brenner H, Simard J, Lurie G, Fasching PA, Carney ME, RADICE P, Wilkens LR, Swerdlow A, Goodman MT, Brauch H, Garcia Closas M, Hillemanns P, Winqvist R, Durst M, Devilee P, Runnebaum I, Jakubowska A, Lubinski J, Mannermaa A, Butzow R, Bogdanova NV, Dork T, Pelttari LM, Zheng W, Leminen A, Anton Culver H, Bunker CH, Kristensen V, Ness RB, Muir K, Edwards R, Meindl A, Matsuo K, Du Bois A, Wu AH, Harter P,

Teo SH, Schwaab I, Shu XO, Blot W, Hosono S, Kang D, Nakanishi T, Hartman M, Yatabe Y, Hamann U, Karlan BY, Sangrajrang S, Kjaer SK, Gaborieau V, Jensen A, Eccles D, Hogdall E, Shen CY, Brown J, Woo YL, Shah M, Azmi MA, Luben R, Omar SZ, Czene K, Vierkant RA, Nordestgaard BG, Flyger H, Vachon C, Olson JE, Wang X, Levine DA, Rudolph A, Weber RP, Flesch Janys D, Iversen E, Nickels S, Schildkraut JM, Silva IDS, Cramer DW, Gibson L, Terry KL, Fletcher O, Vitonis AF, Van Der Schoot CE, Poole EM, Hogervorst FB, Tworoger SS, Liu J, Bandera EV, Li J, Olson SH, Humphreys K, Orlow I, Blomqvist C, Rodriguez Rodriguez L, Aittomaki K, Salvesen HB, Muranen TA, Wik E, Brouwers B, Krakstad C, Wauters E, Halle MK, Wildiers H, Kiemeney LA, Mulot C, Aben KK, Laurent Puig P, Altena AM, Truong T, Massuger LF, Benitez J, Pejovic T, Perez JI, Hoatlin M, Zamora MP, Cook LS, Balasubramanian SP, Keleman LE, Schneeweiss A, Le ND, Sohn C, Brooks Wilson A, Tomlinson I, Kerin MJ, Miller N, Cybulski C, Henderson BE, Menkiszak J, Schumacher F, Wentzensen N, Le Marchand L, Yang HP, Mulligan AM, Glendon G, Engelholm SA, Knight JA, Hogdall CK, Apicella C, Gore M, Tsimiklis H, Song H, Southe MC, Jager A, Den Ouwendal AM, Brown R, Martens JW, Flanagan JM, Kriege M, Paul J, Margolin S, Siddiqui N, Severi G, Whittemore AS, Baglietto L, McGuire V, Stegmaier C, Sieh W, Muller H, Arndt V, Labreche F, Gao YT, Goldberg MS, Yang G, Dumont M, McLaughlin JR, Hartmann A, Ekici AB, Beckmann MW, Phelan CM, Lux MP, Permuth Wey J, PEISSEL B, Sellers TA, Ficarazzi F, Barile M, Ziogas A, Ashworth A, Gentry Maharaj A, Jones M, Ramus SJ, Orr N, Menon U, Pearce CL, Bruning T, Pike MC, Ko YD, Lissowska J, Figueira J, Kupryjanczyk J, Chanock SJ, Dansonka Mieszkowska A, Jukkola Vuorinen A, Rzepecka IK, Pylkas K, Bidzinski M, Kauppila S, Hollestelle A, Seynaeve C, Tollenaar RA, Durda K, Jaworska K, Hartikainen JM, Kosma VM, Kataja V, Antonenkova NN, Long J, Shrubsole M, Deming Halverson S, Lophatananon A, Siriwanarangsang P, Stewart Brown S, Ditsch N, Lichtner P, Schmutzler RK, Ito H, Iwata H, Tajima K, Tseng CC, Stram DO, Van Den Berg D, Yip CH, Ikram MK, Teh YC, Cai H, Lu W, Signorello LB, Cai Q, Noh DY, Yoo KY, Miao H, Iau PT, Teo YY, McKay J, Shapiro C, Ademuyiwa F, Fountzilas G, Hsiung CN, Yu JC, Hou MF, Healey CS, Luccarini C, Peacock S, Stoppa Lyonnet D, PETERLONGO P, Rebbeck TR, Piedmonte M, Singer CF, Friedman E, Thomassen M, Offit K, Hansen TV, Neuhausen SL, Szabo CI, Blanco I, Garber J, Narod SA, Weitzel JN, Montagna M, Olah E, Godwin AK, Yannoukakos D, Goldgar DE, Caldes T, Imyanitov EN, Tihomirova L, Arun BK, Campbell I, Mensenkamp AR, Van Asperen CJ, Van Roozendaal KE, Meijers Heijboer H, Collee JM, Oosterwijk JC, Hooning MJ, Rookus MA, Van Der Luijt RB, Os TA, Evans DG, Frost D, Fineberg E, Barwell J, Walker L, Kennedy MJ, Platte R, Davidson R, Ellis SD, Cole T, Bressac De Paillerets B, Buecher B, Damiola F, Faivre L, Frenay M, Sinilnikova OM, Caron O, Giraud S, Mazoyer S, Bonadona V, Caux Moncoubier V, Toloczko Grabarek A, Gronwald J, Byrski T, Spurdle AB, Bonanni B, ZAFFARONI D, Giannini G, Bernard L, Dolcetti R, MANOUKIAN S, Arnold N, Engel C, Deissler H, Rhiem K, Niederacher D, Plendl H, Sutter C, Wappenschmidt B, Borg A, Melin B, Rantala J, Soller M, Nathanson KL, Domchek SM, Rodriguez GC, Salani R, Kaulich DG, Tea MK, Paluch SS, Laitman Y, Skytte AB, Kruse TA, Jensen UB, Robson M, Gerdes AM, Ejertsen B, Foretova L, Savage SA, Lester J, Soucy P, Kuchenbaecker KB, Olszwold C, Cunningham JM, Slager S, Pankratz VS, Dicks E, Lakhani SR, Couch FJ, Hall P, Monteiro AN, Gayther SA, Pharoah PD, Reddel RR, Goode EL, Greene MH, Easton DF, Berchuck A, Antoniou AC, Chenevix Trench G, Dunning AM. Multiple independent variants at the TERT locus are associated with telomere length and risks of breast and ovarian cancer. *Nature Genetics* 2013;45:371-384

127 - Michailidou K, Hall P, Gonzalez Neira A, Ghoussaini M, Dennis J, Milne RL, Schmidt MK, Chang Claude J, Bojesen SE, Bolla MK, Wang Q, Dicks E, Lee A, Turnbull C, Rahman N, Breast And Ovarian Cancer Susceptibility Collaboration, Fletcher O, Peto J, Gibson L, Dos Santos Silva I, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Czene K, Irwanto A, Liu J, Waisfisz Q, Meijers Heijboer H, Adank M, Hereditary Breast And Ovarian Cancer Research Group Netherlands (Hebon), Van Der Luijt RB, Hein R, Dahmen N, Beckman L, Meindl A, Schmutzler RK, Muller Myhsok B, Lichtner P, Hopper JL, Southe MC, Makalic E, Schmidt DF, Uitterlinden AG, Hofman A, Hunter DJ, Chanock SJ, Vincent D, Bacot F, Tessier DC, Canisius S, Wessels LF, Haiman CA, Shah M, Luben R, Brown J, Luccarini C, Schoof N, Humphreys K, Li J, Nordestgaard BG, Nielsen SF, Flyger H, Couch FJ, Wang X, Vachon C, Stevens KN, Lambrechts D, Moisse M, Paridaens R, Christiaens MR, Rudolph A, Nickels S, Flesch Janys D, Johnson N, Aitken Z, Aaltonen K, Heikkinen T, Broeks A, Veer LJ, Van Der Schoot CE, Guenel P, Truong T, Laurent Puig P, Menegaux F, Marmer F, Schneeweiss A, Sohn C, Burwinkel B, Zamora MP, Perez JI, Pita G, Alonso MR, Cox A, Brock IW, Cross SS, Reed MW, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Henderson BE, Schumacher F, Le Marchand L, Andrulis IL, Knight JA, Glendon G, Mulligan AM, Kconfab Investigators, Australian Ovarian Cancer Study Group, Lindblom A, Margolin S, Hooning MJ, Hollestelle A, Van Den Ouwendal AM, Jager A, Bui QM, Stone J, Dite GS, Apicella C, Tsimiklis H, Giles GG, Severi G, Baglietto L, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Brenner H, Muller H, Arndt V, Stegmaier C, Swerdlow A, Ashworth A, Orr N, Jones M, Figueira J, Brinton L, Goldberg MS, Labreche F, Dumont M, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, Brauch H, Hamann U, Bruning T, Genica (Gene Environment Interaction And Breast Cancer In Germany) Network, RADICE P, PETERLONGO P, MANOUKIAN S, Bonanni B, Devilee P, Tollenaar RA, Seynaeve C, Van Asperen CJ, Jakubowska A, Lubinski J, Jaworska K, Durda K, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Bogdanova NV, Antonenkova NN, Dork T, Kristensen VN, Anton Culver H, Slager S, Toland AE, Edge S, Fostira F, Kang D, Yoo KY, Noh DY, Matsuo K, Ito H, Iwata H, Sueta A, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Shu XO, Lu W, Gao YT, Cai H, Teo SH, Yip CH, Phuah SY, Cornes BK, Hartman M, Miao H, Lim WY, Sng JH, Muir K, Lophatananon A, Stewart Brown S, Siriwanarangsang P, Shen CY, Hsiung CN, Wu PE, Ding SL, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Blot WJ, Signorello LB, Cai Q, Zheng W, Deming Halverson S, Shrubsole M, Long J, Simard J, Garcia Closas M, Pharoah PD, Chenevix Trench G, Dunning AM, Benitez J, Easton DF. Large-scale genotyping identifies 41 new loci associated with breast cancer risk. *Nature Genetics* 2013;45:353-361

128 - Couch FJ, Wang X, McGuffog L, Lee A, Olszwold C, Kuchenbaecker KB, Soucy P, Fredericksen Z, Barrowdale D, Dennis J, Gaudet MM, Dicks E, Kosei M, Healey S, Sinilnikova OM, Lee A, Bacot F, Vincent D, Hogervorst FB, Peacock S, Stoppa Lyonnet D, Jakubowska A, Kconfab Investigators, RADICE P, Schmutzler RK, Swe Brca, Domchek SM, Piedmonte M, Singer CF, Friedman E, Thomassen M, Ontario Cancer Genetics Network, Hansen TV, Neuhausen SL, Szabo CI, Blanco I, Greene MH, Karlan BY, Garber J, Phelan CM, Weitzel JN, Montagna M, Olah E, Andrulis IL, Godwin AK, Yannoukakos D, Goldgar DE, Caldes T, Nevanlinna H, Osorio A, Terry MB, Daly MB, Van Rensburg EJ, Hamann U, Ramus SJ, Toland AE, Caligo MA, Olopade OI, Tung N, Claes K, Beattie MS, Southe MC, Imyanitov EN, Tischkowitz M, Janavicius R, John EM, Kwong A, Diez O, Balmana J, Barkardottir RB, Arun BK, Rennert G, Teo SH, Ganz PA, Campbell I, Van Der Hout AH, Van Deurzen CH, Seynaeve C, Gomez Garcia EB, Van Leeuwen FE, Meijers Heijboer HE, Gille JJ, Ausems MG, Blok MJ, Ligtenberg MJ, Rookus MA, Devilee P, Verhoef S, Van Os TA, Wijnen JT, Hebon, Embrace, Frost D, Ellis S, Fineberg E, Platte R, Evans DG, Izatt L, Eeles RA, Adlard J, Eccles DM, Cook J, Brewer C, Douglas F, Hodgson S, Morrison PJ, Side LE, Donaldson A, Houghton C, Rogers MT, Dorkins H, Eason J, Gregory H, McCann E, Murray A, Calender A, Hardouin A, Berthet P, Delnate C, Nogues C, Lasset C, Houdayer C, Leroux D, Rouleau E, Prieur F, Damiola F, Sobol H, Couper I, Venat Bouvet L, Castera L, Gauthier Villars M, Leone M, Pujol P, Mazoyer S, Bignon YJ, Gemo Study Collaborators, Zlowocka Perlowska E, Gronwald J, Lubinski J, Durda K, Jaworska K, Huzarski T, Spurdle AB, Viel A, PEISSEL B, Bonanni B, Melloni G, Ottini L, Papi L, Varesco L, Tibiletti MG, PETERLONGO P, Volorio S, MANOUKIAN S, Pensotti V, Arnold N, Engel C, Deissler H, Gadzicki D, Gehrig A, Kast K, Rhiem K, Meindl A, Niederacher D, Ditsch N, Plendl H, Preisler Adams S, Engert S, Sutter C, Varon Mateeva R, Wappenschmidt B, Weber BH, Arver B, Stenmark Askimalm M, Loman N, Rosenquist R, Einbeigi Z, Nathanson KL, Rebbeck TR, Blank SV, Cohn DE, Rodriguez GC, Small L, Friedlander M, Bae Jump VL, Fink Retter A, Rappaport C, Gschwantler Kaulich D, Pfeiler G, Tea MK, Lindor NM, Kaufman B, Shimon Paluch S, Laitman Y, Skytte AB, Gerdes AM, Pedersen IS, Moeller ST, Kruse TA, Jensen UB, Vijai J, Sarrel K, Robson M, Kauff N, Mulligan AM, Glendon G, Ozcelik H, Ejertsen B, Nielsen FC, Jonson L, Andersen MK, Ding YC, Steele L, Foretova L, Teule A, Lazaro C, Brunet J, Pujana MA, Mai PL, Loud JT, Walsh

C, Lester J, Orsulic S, Narod SA, Herzog J, Sand SR, Tognazzo S, Agata S, Vaszko T, Weaver J, Stavropoulou AV, Buys SS, Romero A, De La Hoya M, Aittomaki K, Muranen TA, Duran M, Chung WK, Lasa A, Dorfling CM, Miron A, Bcfr, Benitez J, Senter L, Huo D, Chan SB, Sokolenko AP, Chiquette J, Tihomirova L, Friebel TM, Agnarsson BA, Lu KH, Lejbkowicz F, James PA, Hall P, Dunning AM, Tessier D, Cunningham J, Slager SL, Wang C, Hart S, Stevens K, Simard J, Pastinen T, Pankratz VS, Offit K, Easton DF, Chenevix Trench G, Antoniou AC, Cimba. Genome-Wide Association Study in BRCA1 Mutation Carriers Identifies Novel Loci Associated with Breast and Ovarian Cancer Risk. *Plos Genetics* 2013;9:e1003212

129 - Gaudet MM, Kuchenbaecker KB, Vijai J, Klein RJ, Kirchhoff T, McGuffog L, Barrowdale D, Dunning AM, Lee A, Dennis J, Healey S, Dicks E, Soucy P, Siniukova OM, Pankratz VS, Wang X, Eldridge RC, Tessier DC, Vincent D, Bacot F, Hogervorst FB, Peacock S, Stoppa Lyonnet D, Kconfab Investigators, PETERLONGO P, Schmutzler RK, Nathanson KL, Piedmonte M, Singer CF, Thomassen M, Ontario Cancer Genetics Network, Hansen TV, Neuhausen SL, Blanco I, Greene MH, Garber J, Weitzel JN, Andrusilis IL, Goldgar DE, D'Andrea E, Caldes T, Nevanlinna H, Osorio A, Van Rensburg EJ, Arason A, Rennert G, Van Den Ouweland AM, Van Der Hout AH, Kets CM, Aalfs CM, Wijnen JT, Ausems MG, Hebon, Embrace, Frost D, Ellis S, Fineberg E, Platte R, Evans DG, Jacobs C, Adlard J, Tischkowitz M, Porteous ME, Damiola F, Gemo Study Collaborators, Golmard L, Barjhoux L, Longy M, Belotti M, Ferrer SF, Mazoyer S, Spurdle AB, MANOUKIAN S, Barile M, Genuardi M, Arnold N, Meindl A, Suttor C, Wappenschmidt B, Domchek SM, Pfeiler G, Friedman E, Jensen UB, Robson M, Shah S, Lazaro C, Mai PL, Benitez J, Southey MC, Schmidt MK, Fasching PA, Peto J, Humphreys MK, Wang Q, Michailidou K, Sawyer EJ, Burwinkel B, Guénel P, Bojesen SE, Milne RL, Brenner H, Lochmann M, Genica Network, Aittomaki K, Dork T, Margolin S, Mannermaa A, Lambrechts D, Chang Claude J, RADICE P, Giles GG, Haiman CA, Winquist R, Devilee P, Garcia Closas M, Schoof N, Hooning MJ, Cox A, Pharoah PD, Jakubowska A, Orr N, Gonzalez Neira A, Pita G, Alonso MR, Hall P, Couch FJ, Simard J, Altshuler D, Easton DF, Chenevix Trench G, Antoniou AC, Offit K. Identification of a BRCA2-Specific Modifier Locus at 6p24 Related to Breast Cancer Risk. *Plos Genetics* 2013;9:e1003173

130 - Valentini A, Lubinski J, Byrski T, Ghadirian P, Moller P, Lynch HT, Ainsworth P, Neuhausen SL, Weitzel J, Singer CF, Olopade Ol, Saal H, Lyonnet DS, Foulkes WD, Kim Sing C, MANOUKIAN S, Zakalik D, Armel S, Senter L, Eng C, Grunfeld E, Chiarelli AM, Poll A, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group. The impact of pregnancy on breast cancer survival in women who carry a BRCA1 or BRCA2 mutation. *Breast Cancer Research And Treatment* 2013;142:177-185

131 - Semple J, Metcalfe KA, Lynch HT, Kim Sing C, Senter L, Pal T, Ainsworth P, Lubinski J, Tung N, Eng C, Gilchrist D, Blum J, Neuhausen SL, Singer CF, Ghadirian P, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group {MANOUKIAN S}. International rates of breast reconstruction after prophylactic mastectomy in BRCA1 and BRCA2 mutation carriers. *Annals Of Surgical Oncology* 2013;20:3817-3822

132 - Senst N, Llacuachaqui M, Lubinski J, Lynch H, Armel S, Neuhausen S, Ghadirian P, Sun P, Narod SA, Hereditary Breast Cancer Study Group {MANOUKIAN S}. Parental origin of mutation and the risk of breast cancer in a prospective study of women with a BRCA1 or BRCA2 mutation. *Clinical Genetics* 2013;84:43-46

133 - Segev Y, Iqbal J, Lubinski J, Gronwald J, Lynch HT, Moller P, Ghadirian P, Rosen B, Tung N, Kim Sing C, Foulkes WD, Neuhausen SL, Senter L, Singer CF, Karlan B, Ping S, Narod SA, Hereditary Breast Cancer Study Group {MANOUKIAN S}. The incidence of endometrial cancer in women with BRCA1 and BRCA2 mutations: an international prospective cohort study. *Gynecologic Oncology* 2013;130:127-131

134 - BORREANI C, MANOUKIAN S, BIANCHI E, BRUNELLI C, PEISSEL B, Caruso A, Morasso G, PIEROTTI MA. The psychological impact of breast and ovarian cancer preventive options in BRCA1 and BRCA2 mutation carriers. *Clinical Genetics* 2014;85:7-15

135 - Agarwal D, Pineda S, Michailidou K, Herranz J, Pita G, Moreno LT, Alonso MR, Dennis J, Wang Q, Bolla MK, Meyer KB, Menéndez Rodríguez P, Hardisson D, Mendiola M, González Neira A, Lindblom A, Margolin S, Swerdlow A, Ashworth A, Orr N, Jones M, Matsuo K, Ito H, Iwata H, Kondo N, Kconfab Investigators, Australian Ovarian Cancer Study Group, Hartman M, Hui M, Lim WY, Iau PT, Sawyer E, Tomlinson I, Kerin M, Miller N, Kang D, Choi J, Park SK, Noh D, Hopper JL, Schmidt DF, Makalic E, Southey MC, Teo SH, Yip CH, Sivanandan K, Tay W, Brauch H, Bruning T, Hamann U, Genica Network, Dunning AM, Shah M, Andrusilis IL, Knight JA, Glendon G, Tchatchou S, Schmidt MK, Broeks A, Rosenberg EH, Van'T Veer LJ, Fasching PA, Renner SP, Ekici AB, Beckmann MW, Shen C, Hsiung C, Yu J, Hou M, Blot W, Cai Q, Wu AH, Tseng C, Van Den Berg D, Stram DO, Cox A, Brock IW, Reed MW, Muir K, Lophatananon A, Stewart Brown S, Siriwanarangsang P, Zheng W, Deming Halverson S, Shrubsole MJ, Long J, Shu X, Lu W, Gao Y, Zhang B, RADICE P, Peterlongo P, MANOUKIAN S, Mariette F, Sangrajrang S, Mckay J, Couch FJ, Toland AE, Tnbcc, Yannoukakos D, Fletcher O, Johnson N, Dos Santos Silva I, Peto J, Marmer F, Burwinkel B, Guenel P, Truong T, Sanchez M, Mulot C, Bojesen SE, Nordestgaard BG, Flyer H, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Mannermaa A, Kataja V, Kosma V, Hartikainen JM, Lambrechts D, Yesilyurt BT, Floris G, Leunen K, Chang Claude J, Rudolph A, Seibold P, Flesch Janys D, Wang X, Olson JE, Vachon C, Purrinton K, Giles GG, Severi G, Baglietto L, Haiman CA, Henderson BE, Schumacher F, Marchand LL, Simard J, Dumont M, Goldberg MS, Labreche F, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, Devilee P, Tollenaar RA, Seynaeve C, Garcia Closas M, Chanock SJ, Lissowska J, Figueira JD, Czene K, Eriksson M, Humphreys K, Darabi H, Hooning MJ, Kriege M, Collee JM, Tilanus Linthorst M, Li J, Jakubowska A, Lubinski J, Jaworska Bieniek K, Durda K, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Bogdanova N, Dork T, Hall P, Chenevix Trench G, Easton DF, Pharoah PD, Arias Perez JI, Zamora P, Benitez J, Milne RL. FGF receptor genes and breast cancer susceptibility: Results from the Breast Cancer Association Consortium. *British Journal Of Cancer* 2014;110:1088-1100

136 - CRIPPA E, LUSA L, DE CECCO L, MARCHESI E, Calin GA, RADICE P, MANOUKIAN S, PEISSEL B, DAIDONE MG, GARIBOLDI M, PIEROTTI MA. miR-342 Regulates BRCA1 expression through modulation of ID4 in breast cancer. *Plos One* 2014;9:e87039

137 - CALECA L, Putignano AL, COLOMBO M, Congregati C, Sarkar M, Magliery TJ, RIPAMONTI CB, FOGLIA C, PEISSEL B, ZAFFARONI D, MANOUKIAN S, Tondini C, Barile M, Pensotti V, Bernard L, Papi L, RADICE P. Characterization of an Italian founder mutation in the RING-finger domain of BRCA1. *Plos One* 2014;9:e86924

138 - Kotsopoulos J, Lubinski J, Moller P, Lynch HT, Singer CF, Eng C, Neuhausen SL, Karlan B, Kim Sing C, Huzarski T, Gronwald J, Mccuaig J, Senter L, Tung N, Ghadirian P, Eisen A, Gilchrist D, Blum JL, Zakalik D, Pal T, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group {MANOUKIAN S}. Timing of oral contraceptive use and the risk of breast cancer in BRCA1 mutation carriers. *Breast Cancer Research And Treatment* 2014;143:579-586

139 - Milne RL, Herranz J, Michailidou K, Dennis J, Tyrer JP, Zamora MP, Arias Perez JI, Gonzalez Neira A, Pita G, Alonso MR, Wang Q, Bolla MK, Czene K, Eriksson M, Humphreys K, Darabi H, Li J, Anton Culver H, Neuhausen SL, Ziogas A, Clarke CA, Hopper JL, Dite GS, Apicella C,

Southey MC, Chenevix Trench G, Kconfab Investigators, Australian Ovarian Cancer Study Group, Swerdlow A, Ashworth A, Orr N, Schoemaker M, Jakubowska A, Lubinski J, Jaworska Bieniek K, Durda K, Andrulis IL, Knight JA, Glendon G, Mulligan AM, Bojesen SE, Nordestgaard BG, Flyger H, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Chang Claude J, Rudolph A, Seibold P, Flesch Janys D, Wang X, Olson JE, Vachon C, Purrington K, Winqvist R, Pylkas K, Jukkola Vuorinen A, Grip M, Dunning AM, Shah M, Guenel P, Truong T, Sanchez M, Mulot C, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Lindblom A, Margolin S, Hooning MJ, Hollestelle A, Collee JM, Jager A, Cox A, Brock IW, Reed MW, Devilee P, Tollenaar RA, Seynaeve C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Dumont M, Soucy P, Dork T, Bogdanova NV, Hamann U, Forsti A, Rudiger T, Ulmer HU, Fasching PA, Haberle L, Ekici AB, Beckmann MW, Fletcher O, Johnson N, Dos Santos Silva I, Peto J, RADICE P, Peterlongo P, PEISSEL B, Mariani P, Giles GG, Severi G, Baglietto L, Sawyer E, Tomlinson I, Kerin M, Miller N, Marme F, Burwinkel B, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Lambrechts D, Yesilyurt BT, Floris G, Leunen K, Alnaes GG, Kristensen V, Borresen Dale AL, Garcia Closas M, Chanock SJ, Lissowska J, Figueroa JD, Schmidt MK, Broeks A, Verhoef S, Rutgers EJ, Brauch H, Bruning T, Ko YD, Genica Network, Couch FJ, Toland AE, Tnbcc, Yannoukakos D, Pharoah PD, Hall P, Benitez J, Malats N, Easton DF. A large-scale assessment of two-way SNP interactions in breast cancer susceptibility using 46,450 cases and 42,461 controls from the breast cancer association consortium. *Human Molecular Genetics* 2014;23:1934-1946

140 - Osorio A, Milne RL, Kuchenbaecker K, Vaclová T, Pita G, Alonso R, Peterlongo P, Blanco I, De La Hoya M, Duran M, Díez O, Ramón Y Cajal T, Konstantopoulou I, Martínez Bouzas C, Andrés Conejero R, Soucy P, McGuffog L, Barrowdale D, Lee A, Swe Brca, Arver B, Rantala J, Loman N, Ehrencrona H, Olopade OI, Beattie MS, Domchek SM, Nathanson K, Rebbeck TR, Arun BK, Karlan BY, Walsh C, Lester J, John EM, Whittemore AS, Daly MB, Southey M, Hopper J, Terry MB, Buys SS, Janavicius R, Dorfling CM, Van Rensburg EJ, Steele L, Neuhausen SL, Ding YC, Hansen TV, Jonson L, Ejlertsen B, Gerdes AM, Infante M, Herraiz B, Moreno LT, Weitzel JN, Herzog J, Weeman K, MANOUKIAN S, PEISSEL B, ZAFFARONI D, SCUVERA G, Bonanni B, Mariette F, Volorio S, Viel A, Varesco L, Papi L, Ottini L, Tibiletti MG, RADICE P, Yannoukakos D, Garber J, Ellis S, Frost D, Platte R, Fineberg E, Evans G, Laloo F, Izatt L, Eeles R, Adlard J, Davidson R, Cole T, Eccles D, Cook J, Hodgson S, Brewer C, Tischkowitz M, Douglas F, Porteous M, Side L, Walker L, Morrison P, Donaldson A, Kennedy J, Foo C, Godwin AK, Schmutzler RK, Wappenschmidt B, Rhiem K, Engel C, Meindl A, Ditsch N, Arnold N, Plendl HJ, Niederacher D, Sutter C, Wang Gohrke S, Steinemann D, Preisler Adams S, Kast K, Varon Mateeva R, Gehrig A, Stoppa Lyonnet D, Sinilnikova OM, Mazoyer S, Damiola F, Poppe B, Claes K, Piedmonte M, Tucker K, Backes F, Rodriguez G, Brewster W, Wakeley K, Rutherford T, Caldes T, Nevanlinna H, Aittomaki K, Rookus MA, Van Os TA, Van Der Kolk L, De Lange JL, Meijers Heijboer HE, Van Der Hout AH, Van Asperen CJ, Gomez Garcia EB, Hoogerbrugge N, Collee JM, Van Deurzen CH, Van Der Luijt RB, Devilee P, Hebon, Olah E, Lazaro C, Teule A, Menendez M, Jakubowska A, Cybulski C, Gronwald J, Lubinski J, Durda K, Jaworska Bieniek K, Johannsson OT, Maugard C, Montagna M, Tognazzo S, Teixeira MR, Healey S, Investigators K, Olszwold C, Guidugli L, Lindor N, Slager S, Szabo CI, Vijai J, Robson M, Kauff N, Zhang L, Rau Murthy R, Fink Retter A, Singer CF, Rappaport C, Geschwantler Kaulich D, Pfeiler G, Tea MK, Berger A, Phelan CM, Greene MH, Mai PL, Lejbkowicz F, Andrulis I, Mulligan AM, Glendon G, Toland AE, Bojesen A, Pedersen IS, Sunde L, Thomassen M, Kruse TA, Jensen UB, Friedman E, Laitman Y, Shimon SP, Simard J, Easton DF, Offit K, Couch FJ, Chenevix Trench G, Antoniou AC, Benitez J. DNA Glycosylases Involved in Base Excision Repair May Be Associated with Cancer Risk in BRCA1 and BRCA2 Mutation Carriers. *Plos Genetics* 2014;10:e1004256

141 - PASANISI P, BRUNO E, MANOUKIAN S, BERRINO F. A randomized controlled trial of diet and physical activity in BRCA mutation carriers. *Familial Cancer* 2014;13:181-187

142 - Gronwald J, Robidoux A, Kim Sing C, Tung N, Lynch HT, Foulkes WD, MANOUKIAN S, Ainsworth P, Neuhausen SL, Demsky R, Eisen A, Singer CF, Saal H, Senter L, Eng C, Weitzel J, Moller P, Gilchrist DM, Olopade O, Ginsburg O, Sun P, Huzarski T, Lubinski J, Narod SA, Hereditary Breast Cancer Clinical Study Group. Duration of tamoxifen use and the risk of contralateral breast cancer in BRCA1 and BRCA2 mutation carriers. *Breast Cancer Research And Treatment* 2014;146:421-427

143 - FRIGERIO S, DISCIGLIO V, MANOUKIAN S, PEISSEL B, DELLA TORRE G, MAURICHI A, COLLINI P, PASINI B, GOTTI G, FERRARI A, RIVOLTINI L, MASSIMINO M, RODOLFO M. A large de novo 9p21.3 deletion in a girl affected by astrocytoma and multiple melanoma. *Bmc Medical Genetics* 2014;15:59

144 - Phelan CM, Iqbal J, Lynch HT, Lubinski J, Gronwald J, Moller P, Ghadirian P, Foulkes WD, Armel S, Eisen A, Neuhausen SL, Senter L, Singer CF, Ainsworth P, Kim Sing C, Tung N, Llacuachaqui M, Chornokur G, Ping S, Narod SA, Hereditary Breast Cancer Study Group {MANOUKIAN S}. Incidence of colorectal cancer in BRCA1 and BRCA2 mutation carriers: results from a follow-up study. *British Journal Of Cancer* 2014;110:530-534

145 - Antoniou AC, Casadei S, Heikkinen T, Barrowdale D, Pylkas K, Roberts J, Lee A, Subramanian D, De Leeneer K, Fostira F, Tomiak E, Neuhausen SL, Teo ZL, Khan S, Aittomaki K, Moilanen JS, Turnbull C, Seal S, Mannermaa A, Kallioniemi A, Lindeman GJ, Buys SS, Andrulis IL, RADICE P, Tondini C, MANOUKIAN S, Toland AE, Miron P, Weitzel JN, Domchek SM, Poppe B, Claes KB, Yannoukakos D, Concannon P, Bernstein JL, James PA, Easton DF, Goldgar DE, Hopper JL, Rahman N, PETERLONGO P, Nevanlinna H, King MC, Couch FJ, Southey MC, Winqvist R, Foulkes WD, Tischkowitz M. Breast-cancer risk in families with mutations in PALB2. *New England Journal Of Medicine* 2014;371:497-506

146 - CATUCCI I, PETERLONGO P, CICERI S, COLOMBO M, PASQUINI G, Barile M, Bonanni B, VERDERIO P, PIZZAMIGLIO S, FOGLIA C, Falanga A, Marchetti M, Galastri L, Bianchi T, Corna C, RAVAGNANI F, Bernard L, Fortuzzi S, Sardella D, SCUVERA G, PEISSEL B, MANOUKIAN S, Tondini C, RADICE P. PALB2 sequencing in Italian familial breast cancer cases reveals a high-risk mutation recurrent in the province of Bergamo. *Genetics In Medicine* 2014;16:688-694

147 - Ottini L, Rizzolo P, Zanna I, Silvestri V, Saieva C, Falchetti M, Masala G, Navazio AS, Capalbo C, Bianchi S, MANOUKIAN S, Barile M, Peterlongo P, Caligo MA, Varesco L, Tommasi S, Russo A, Giannini G, Cortesi L, Cini G, Montagna M, RADICE P, Palli D. Association of SULT1A1 Arg213His polymorphism with male breast cancer risk: results from a multicenter study in Italy. *Breast Cancer Research And Treatment* 2014;148:623-628

148 - Spurdle AB, Couch FJ, Parsons MT, McGuffog L, Barrowdale D, Bolla MK, Wang Q, Healey S, Schmutzler R, Wappenschmidt B, Rhiem K, Hahnen E, Engel C, Meindl A, Ditsch N, Arnold N, Plendl H, Niederacher D, Sutter C, Wang-Gohrke S, Steinemann D, Preisler-Adams S, Kast K, Varon-Mateeva R, Ellis S, Frost D, Platte R, Perkins J, Evans D, Izatt L, Eeles R, Adlard J, Davidson R, Cole T, SCUVERA G, MANOUKIAN S, Bonanni B, Mariette F, Fortuzzi S, Viel A, Pasini B, Papi L, Varesco L, Balleine R, Nathanson KL, Domchek SM, Offit K, Jakubowska A, Lindor N, Thomassen M, Jensen U, Rantala J, Borg A, Andrulis IL, Miron A, Hansen T, Caldes T, Neuhausen SL, Toland AE, Nevanlinna H, Montagna M,

Garber J, Godwin AK, Osorio A, Factor RE, Terry MB, Rebbeck TR, Karlan BY, Southey M, Rashid M, Tung N, Pharoah P, Blows FM, Dunning AM, Provenzano E, Hall P, Czene K, Schmidt MK, Broeks A, Cornelissen S, Verhoef S, Fasching PA, Beckmann MW, Ekici AB, Slamon DJ, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Chang-Claude J, Flesch-Janys D, Rudolph A, Seibold P, Aittomaki K, Muranen TA, Heikkila P, Blomqvist C, Figueira J, Chanock SJ, Brinton L, Lissowska J, Olson JE, Pankratz VS, John EM, Whittemore AS, West DW, Hamann U, Torres D, Ulmer H, Rudiger T, Devilee P, Tollenaar R, Seynaeve C, Van Asperen CJ, Eccles DM, Tapper WJ, Durcan L, Jones L, Peto J, Dos-Santos-Silva I, Fletcher O, Johnson N, Dwek M, Swann R, Bane AL, Glendon G, Mulligan AM, Giles GG, Milne RL, Baglietto L, McLean C, Carpenter J, Clarke C, Scott R, Brauch H, Bruning T, Ko YD, Cox A, Cross SS, Reed M, Lubinski J, Jaworska-Bieniek K, Durda K, Gronwald J, Dork T, Bogdanova N, Park-Simon TW, Hillemanns P, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Burwinkel B, Marme F, Surowy H, Yang R, Anton-Culver H, Ziogas A, Hooning MJ, Collee J, Martens J, Tilanus-Linthorst M, Brenner H, Dieffenbach A, Arndt V, Stegmaier C, Winquist R, Pylkas K, Jukkola-Vuorinen A, Grip M, Lindblom A, Margolin S, Joseph V, Robson M, Rau-Murphy R, Gonzalez-Neira A, Arias J, Zamora P, Benitez J, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Peterlongo P, ZAFFARONI D, Barile M, Capra F, RADICE P, Teo SH, Easton DF, Antoniou AC, Chenevix-Trench G, Goldgar DE, ABCTB Investigators, EMBRACE Group, GENICA Network, HEBON Group, kConFab Investigators. Refined histopathological predictors of BRCA1 and BRCA2 mutation status: a large-scale analysis of breast cancer characteristics from the BCAC, CIMBA, and ENIGMA consortia. *Breast Cancer Research* 2014;16:3419

149 - Blanco I, Kuchenbaecker K, Cuadras D, Wang X, Barrowdale D, De Garibay GR, Librado P, Sánchez Gracia A, Rozas J, Bonifaci N, McGuffog L, Pankratz VS, Islam A, Mateo F, Berenguer A, Petit A, Català I, Brunet J, Feliubadaló L, Tornero E, Benítez J, Osorio A, Ramon Y Cajal T, Nevanlinna H, Aittomaki K, Arun BK, Toland AE, Karlan BY, Walsh C, Lester J, Greene MH, Mai PL, Nussbaum RL, Andrusilis IL, Domchek SM, Nathanson KL, Rebbeck TR, Barkardottir RB, Jakubowska A, Lubinski J, Durda K, Jaworska Bieniek K, Claes K, Van Maerken T, Diez O, Hansen TV, Jonson L, Gerdes AM, Ejlertsen B, De La Hoya M, Caldes T, Dunning AM, Oliver C, Fineberg E, Cook M, Peacock S, McCann E, Murray A, Jacobs C, Pichert G, Laloo F, Chu C, Dorkins H, Paterson J, Ong KR, Teixeira MR, Teixeira, Hogervorst FB, Van Der Hout AH, Seynaeve C, Van Der Luijt RB, Ligtenberg MJ, Devilee P, Wijnen JT, Rookus MA, Meijers Heijboer HE, Blok MJ, Van Den Ouwendijk AM, Aalfs CM, Rodriguez GC, Phillips KA, Piedmonte M, Nerenstone SR, Bae Jump VL, O'Malley DM, Ratner ES, Schmutzler RK, Wappenschmidt B, Rhiem K, Engel C, Meindl A, Ditsch N, Arnold N, Plendl HJ, Niederacher D, Sutter C, Wang Gohrke S, Steinemann D, Preisler Adams S, Kast K, Varon Mateeva R, Gehrig A, Bojesen A, Pedersen IS, Sunde L, Jensen UB, Thomassen M, Kruse TA, Foretova L, Peterlongo P, Bernard L, PEISSEL B, SCUVERA G, MANOUKIAN S, RADICE P, Ottini L, Montagna M, Agata S, Maugard C, Simard J, Soucy P, Berger A, Fink Retter A, Singer CF, Rappaport C, Geschwantler Kaulich D, Tea MK, Pfeiler G, Bcfr, John EM, Miron A, Neuhausen SL, Terry MB, Chung WK, Daly MB, Goldgar DE, Janavicius R, Dorfling CM, Van Rensburg EJ, Fostira F, Konstantopoulou I, Garber J, Godwin AK, Olah E, Narod SA, Rennert G, Paluch SS, Laitman Y, Friedman E, Swe Brca, Liljegren A, Rantala J, Stenmark Askmalin M, Loman N, Imyanitov EN, Hamann U, Kconfab Investigators, Spurdle AB, Healey S, Weitzel JN, Herzog J, Margileth D, Gorrini C, Esteller M, Gomez A, Sayols S, Vidal E, Heyn H, Gemo, Stoppa Lyonnet D, Leone M, Barjhoux L, Fassy Colcombet M, De Pauw A, Lasset C, Ferrer SF, Castera L, Berthet P, Cornelis F, Bignon YJ, Damiola F, Mazoyer S, Sinilnikova OM, Maxwell CA, Vijai J, Robson M, Kauff N, Corines MJ, Villano D, Cunningham J, Lee A, Lindor N, Lazaro C, Easton DF, Offit K, Chenevix Trench G, Couch FJ, Antoniou AC, Pujana MA. Assessing associations between the AURKAHMMR-TPX2-TUBG1 functional module and breast cancer risk in BRCA1/2 mutation carriers. *Plos One* 2015;10:e0120020

150 - PETERLONGO P, Chang Claude J, Moysich KB, Rudolph A, Schmutzler RK, Simard J, Soucy P, Eeles RA, Easton DF, Hamann U, Wilkening S, Chen B, Rookus MA, Schmidt MK, Van Der Baan FH, Spurdle AB, Walker LC, Lose F, Maia AT, Montagna M, Matricardi L, Lubinski J, Jakubowska A, Gomez Garcia EB, Olopade Ol, Nussbaum RL, Nathanson KL, Domchek SM, Rebbeck TR, Arun BK, Karlan BY, Orsulic S, Lester J, Chung WK, Miron A, Southey MC, Goldgar DE, Buys SS, Janavicius R, Dorfling CM, Van Rensburg EJ, Ding YC, Neuhausen SL, Hansen TV, Gerdes AM, Ejlertsen B, Jonson L, Osorio A, Martínez Bouzas C, Benitez J, Conway EE, Blazer KR, Weitzel JN, MANOUKIAN S, PEISSEL B, ZAFFARONI D, SCUVERA G, Barile M, Ficarazzi F, Mariette F, Fortuzzi S, Viel A, Giannini G, Papi L, Martayan A, Tibiletti MG, RADICE P, Vratimos A, Fostira F, Garber JE, Donaldson A, Brewer C, Foo C, Evans DG, Frost D, Eccles D, Brady A, Cook J, Tischkowitz M, Adlard J, Barwell J, Walker L, Izatt L, Side LE, Kennedy MJ, Rogers MT, Porteous ME, Morrison PJ, Platte R, Davidson R, Hodgson SV, Ellis S, Cole T, Embrace, Godwin AK, Claes K, Van Maerken T, Meindl A, Gehrig A, Sutter C, Engel C, Niederacher D, Steinemann D, Plendl H, Kast K, Rhiem K, Ditsch N, Arnold N, Varon Mateeva R, Wappenschmidt B, Wang Gohrke S, Bressac De Paillerets B, Buecher B, Delnati C, Houdayer C, Stoppa Lyonnet D, Damiola F, Coupier I, Barjhoux L, Venat Bouvet L, Golmard L, Boutry Kryza N, Sinilnikova OM, Caron O, Pujol P, Mazoyer S, Belotti M, Gemo Study Collaborators, Piedmonte M, Friedlander ML, Rodriguez GC, Copeland LJ, De La Hoya M, Segura PP, Nevanlinna H, Aittomaki K, Van Os TA, Meijers Heijboer HE, Van Der Hout AH, Vreeswijk MP, Hoogerbrugge N, Ausems MG, Van Doorn HC, Collee JM, Hebon, Olah E, Diez O, Blanco I, Lazaro C, Brunet J, Feliubadaló L, Cybulski C, Gronwald J, Durda K, Jaworska Bieniek K, Sukienicki G, Arason A, Chiquette J, Teixeira MR, Olswold C, Couch FJ, Lindor NM, Wang X, Szabo CI, Offit K, Corines M, Jacobs L, Robson ME, Zhang L, Joseph V, Berger A, Singer CF, Rappaport C, Kaulich DG, Pfeiler G, Tea MK, Phelan CM, Greene MH, Mai PL, Rennert G, Mulligan AM, Glendon G, Tchatchou S, Andrusilis IL, Toland AE, Bojesen A, Pedersen IS, Thomassen M, Jensen UB, Laitman Y, Rantala J, Von Wachenfeldt A, Ehrencreutz H, Askalm MS, Borg A, Kuchenbaecker KB, McGuffog L, Barrowdale D, Healey S, Lee A, Pharoah PD, Chenevix Trench G, Kconfab Investigators, Antoniou AC, Friedman E. Candidate genetic modifiers for breast and ovarian cancer risk in BRCA1 and BRCA2 mutation carriers. *Cancer Epidemiology Biomarkers & Prevention* 2015;24:308-316

151 - Rebbeck TR, Mitra N, Wan F, Sinilnikova OM, Healey S, McGuffog L, Mazoyer S, Chenevix Trench G, Easton DF, Antoniou AC, Nathanson KL, Cimba Consortium {PEISSEL B, ZAFFARONI D, SCUVERA G, RADICE P, MANOUKIAN S}. Association of type and location of BRCA1 and BRCA2 mutations with risk of breast and ovarian cancer. *Jama-Journal Of The American Medical Association* 2015;313:1347-1361

152 - Michailidou K, Beesley J, Lindstrom S, Canisius S, Dennis J, Lush MJ, Maranian MJ, Bolla MK, Wang Q, Shah M, Perkins BJ, Czene K, Eriksson M, Darabi H, Brand JS, Bojesen SE, Nordestgaard BG, Flyger H, Nielsen SF, Rahman N, Turnbull C, Bocs, Fletcher O, Peto J, Gibson L, Dos Santos Silva I, Chang Claude J, Flesch Janys D, Rudolph A, Elber U, Behrens S, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Khan S, Aaltonen K, Ahsan H, Kibriya MG, Whittemore AS, John EM, Malone KE, Gammon MD, Santella RM, Ursin G, Makalic E, Schmidt DF, Casey G, Hunter DJ, Gapstur SM, Gaudet MM, Diver WR, Haiman CA, Schumacher F, Henderson BE, Le Marchand L, Berg CD, Chanock SJ, Figueira J, Hoover RN, Lambrechts D, Neven P, Wildiers H, Van Limbergen E, Schmidt MK, Broeks A, Verhoef S, Cornelissen S, Couch FJ, Olson JE, Hallberg E, Vachon C, Waisfisz Q, Meijers Heijboer H, Adank MA, Van Der Luijt RB, Li J, Liu J, Humphreys K, Kang D, Choi JY, Park SK, Yoo KY, Matsuo K, Ito H, Iwata H, Tajima K, Guenel P, Truong T, Mulot C, Sanchez M, Burwinkel B, Marme F, Surowy H, Sohn C, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Gonzalez Neira A, Benitez J, Zamora MP, Perez JI, Shu XO, Lu W, Gao YT, Cai H, Cox A, Cross SS, Reed MW, Andrusilis IL, Knight JA, Glendon G, Mulligan AM, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Kconfab Investigators, Aocs Group, Lindblom A, Margolin S, Teo SH, Yip CH, Taib NA, Tan GH, Hooning MJ, Hollestelle A, Martens JW, Collee JM, Blot W, Signorello LB, Cai Q, Hopper JL, Southey MC, Tsimiklis H, Apicella C, Shen CY, Hsiung CN, Wu PE, Hou MF, Kristensen VN, Nord S, Alnaes GI, Nbcs, Giles GG, Milne RL, Mclean C, Canzian

F, Trichopoulos D, Peeters P, Lund E, Sund M, Khaw KT, Gunter MJ, Palli D, Mortensen LM, Dossus L, Huerta JM, Meindl A, Schmutzler RK, Sutter C, Yang R, Muir K, Lophatananon A, Stewart Brown S, Siriwanarangsang P, Hartman M, Miao H, Chia KS, Chan CW, Fasching PA, Hein A, Beckmann MW, Haeberle L, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Ashworth A, Orr N, Schoemaker MJ, Swerdlow AJ, Brinton L, Garcia Closas M, Zheng W, Halverson SL, Shrubsole M, Long J, Goldberg MS, Labreche F, Dumont M, Winqvist R, Pylkas K, Jukkola Vuorinen A, Grip M, Brauch H, Hamann U, Bruning T, Genica Network, RADICE P, Peterlongo P, MANOUKIAN S, Bernard L, Bogdanova NV, Dork T, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Devilee P, Tollenaar RA, Seynaeve C, Van Asperen CJ, Jakubowska A, Lubinski J, Jaworska K, Huzarski T, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Slager S, Toland AE, Ambrosone CB, Yannoukakos D, Kabisch M, Torres D, Neuhausen SL, Anton Culver H, Luccarini C, Baynes C, Ahmed S, Healey CS, Tessier DC, Vincent D, Bacot F, Pita G, Alonso MR, Alvarez N, Herrero D, Simard J, Pharoah PP, Kraft P, Dunning AM, Chenevix Trench G, Hall P, Easton DF. Genome-wide association analysis of more than 120,000 individuals identifies 15 new susceptibility loci for breast cancer. *Nature Genetics* 2015;47:373-380

153 - Kabisch M, Lorenzo Bermejo J, Dunnebier T, Ying S, Michailidou K, Bolla MK, Wang Q, Dennis J, Shah M, Perkins BJ, Czene K, Darabi H, Eriksson M, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Lambrechts D, Neven P, Peeters S, Weltens C, Couch FJ, Olson JE, Wang X, Purrington K, Chang Claude J, Rudolph A, Seibold P, Flesch Janys D, Peto J, Dos Santos Silva I, Johnson N, Fletcher O, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Schmidt MK, Broeks A, Cornelissen S, Hogervorst FB, Li J, Brand JS, Humphreys K, Guenel P, Truong T, Menegaux F, Sanchez M, Burwinkel B, Marme F, Yang R, Bugert P, Gonzalez Neira A, Benitez J, Pilar Zamora M, Arias Perez JI, Cox A, Cross SS, Reed MW, Andrusilis IL, Knight JA, Glendon G, Tchatchou S, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Kconfab Investigators, Australian Ovarian Cancer Study Group, Haiman CA, Schumacher F, Henderson BE, Le Marchand L, Lindblom A, Margolin S, Hooning MJ, Hollestelle A, Kriegel M, Koppen LB, Hopper JL, Southey MC, Tsimiklis H, Apicella C, Sletterdahl S, Toland AE, Vachon C, Yannoukakos D, Giles GG, Milne RL, Mclean C, Fasching PA, Ruebner M, Ekici AB, Beckmann MW, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Ashworth A, Orr N, Schoemaker MJ, Swerdlow A, Garcia Closas M, Figueiroa J, Chanock SJ, Lissowska J, Goldberg MS, Labreche F, Dumont M, Winqvist R, Pylkas K, Jukkola Vuorinen A, Grip M, Brauch H, Bruning T, Ko YD, Genica Network, RADICE P, Peterlongo P, SCUVERA G, Fortuzzi S, Bogdanova N, Dork T, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Devilee P, Tollenaar RA, Seynaeve C, Van Asperen CJ, Jakubowska A, Lubinski J, Jaworska Bieniek K, Durda K, Zheng W, Shrubsole MJ, Cai Q, Torres D, Anton Culver H, Kristensen V, Bacot F, Tessier DC, Vincent D, Luccarini C, Baynes C, Ahmed S, Maranian M, Simard J, Chenevix Trench G, Hall P, Pharoah PD, Dunning AM, Easton DF, Hamann U. Inherited variants in the inner centromere protein (INCENP) gene of the chromosomal passenger complex contribute to the susceptibility of ER-negative breast cancer. *Carcinogenesis* 2015;36:256-271

154 - Kuchenbaecker KB, Ramus SJ, Tyrer J, Lee A, Shen HC, Beesley J, Lawrenson K, McGuffog L, Healey S, Lee JM, Spindler TJ, Lin YG, Pejovic T, Bean Y, Li Q, Coetzee S, Hazelett D, Miron A, Southey M, Terry MB, Buys SS, Janavicius R, Dorfling CM, Van Rensburg EJ, Neuhausen SL, Ding YC, Hansen TV, Jonson L, Gerdes AM, Ejlertsen B, Barrowdale D, Dennis J, Benitez J, Osorio A, Garcia MJ, Komenaka I, Weitzel JN, Ganschow P, Peterlongo P, Bernard L, Viel A, Bonanni B, PEISSEL B, MANOUKIAN S, RADICE P, Papi L, Ottini L, Fostira F, Konstantopoulou I, Garber J, Frost D, Perkins J, Platte R, Ellis S, Embrace, Godwin AK, Schmutzler RK, Meindl A, Engel C, Sutter C, Sirilnikova OM, Gemo Study Collaborators, Damiola F, Mazoyer S, Stoppa Lyonnet D, Claes K, De Leeneer K, Kirk J, Rodriguez GC, Piedmonte M, O'Malley DM, De La Hoya M, Aittomaki K, Nevanlinna H, Collee JM, Rookus MA, Oosterwijk JC, Breast Cancer Family Registry, Tihomirova L, Tung N, Hamann U, Isaccs C, Tischkowitz M, Imyanitov EN, Caligo MA, Campbell IG, Hogervorst FB, Hebon, Olah E, Diez O, Blanco I, Brunet J, Lazaro C, Pujana MA, Jakubowska A, Gronwald J, Lubinski J, Sukieniwicki G, Barkardottir RB, Plante M, Simard J, Soucy P, Montagna M, Tognazzo S, Teixeira MR, Kconfab Investigators, Pankratz VS, Wang X, Lindor N, Szabo CI, Kauff N, Vijai J, Aghajanian CA, Pfeiler G, Berger A, Singer CF, Tea MK, Phelan CM, Greene MH, Mai PL, Rennert G, Mulligan AM, Tchatchou S, Andrusilis IL, Glendon G, Toland AE, Jensen UB, Kruse TA, Thomassen M, Bojesen A, Zidan J, Friedman E, Laitman Y, Soller M, Liljegren A, Arver B, Einbeigi Z, Stenmark Askmal M, Olopade OI, Nussbaum RL, Rebbeck TR, Nathanson KL, Domchek SM, Lu KH, Karlan BY, Walsh C, Lester J, Australian Cancer Study (Ovarian Cancer Investigators), Australian Ovarian Cancer Study Group, Hein A, Ekici AB, Beckmann MW, Fasching PA, Lambrechts D, Van Nieeuwenhuysen E, Vergote I, Lambrechts S, Dicks E, Doherty JA, Wicklund KG, Rossing MA, Rudolph A, Chang Claude J, Wang Gohrke S, Eilber U, Moysich KB, Odunsi K, Sucheston L, Lele S, Wilkens LR, Goodman MT, Thompson PJ, Shvetsov YB, Runnebaum IB, Durst M, Hillemanns P, Dork T, Antonenkova N, Bogdanova N, Leminen A, Peittari LM, Butzow R, Modugno F, Kelley JL, Edwards RP, Ness RB, Du Bois A, Heitz F, Schwaab I, Harter P, Matsuo K, Hosono S, Orsulic S, Jensen A, Kjaer SK, Hogdall E, Hasmad HN, Azmi MA, Teo SH, Woo YL, Fridley BL, Goode EL, Cunningham JM, Vierkant RA, Bruinsma F, Giles GG, Liang D, Hildebrandt MA, Wu X, Levine DA, Bisogna M, Berchuck A, Iversen ES, Schildkraut JM, Concannon P, Weber RP, Cramer DW, Terry KL, Poole EM, Tworoger SS, Bandera EV, Orlow I, Olson SH, Krakstad C, Salvesen HB, Tangen IL, Bjorge L, Van Altena AM, Aben KK, Kiemeneij LA, Massuger LF, Kellar M, Brooks Wilson A, Kelemen LE, Cook LS, Le ND, Cybulski C, Yang H, Lissowska J, Brinton LA, Wentzensen N, Hogdall C, Lundvall L, Nedergaard L, Baker H, Song H, Eccles D, McNeish I, Paul J, Carty K, Siddiqui N, Glasspool R, Whittemore AS, Rothstein JH, McGuire V, Sieh W, Ji BT, Zheng W, Shu XO, Gao YT, Rosen B, Risch HA, McLaughlin JR, Narod SA, Monteiro AN, Chen A, Lin HY, Permuth Wey J, Sellers TA, Tsai YY, Chen Z, Ziogas A, Anton Culver H, Gentry Maharaj A, Menon U, Harrington P, Lee AW, Wu AH, Pearce CL, Coetzee G, Pike MC, Dansonka Mieszkowska A, Timorek A, Rzepecka IK, Kupryjanczyk J, Freedman M, Noushmehr H, Easton DF, Offit K, Couch FJ, Gayther S, Pharoah PP, Antoniou AC, Chenevix Trench G, Consortium Of Investigators Of Modifiers Of Brca1 And Brca2 {ZAFFARONI D, SCUVERA G}. Identification of six new susceptibility loci for invasive epithelial ovarian cancer. *Nature Genetics* 2015;47:164-171

155 - BERRINO J, BERRINO F, Francisci S, PEISSEL B, AZZOLLINI J, Pensotti V, RADICE P, PASANISI P, MANOUKIAN S. Estimate of the penetrance of BRCA mutation and the COS software for the assessment of BRCA mutation probability. *Familial Cancer* 2015;14:117-128

156 - Lin WY, Camp NJ, Ghousaini M, Beesley J, Michailidou K, Hopper JL, Apicella C, Southey MC, Stone J, Schmidt MK, Broeks A, Van'T Veer LJ, Th Rutgers EJ, Muir K, Lophatananon A, Stewart Brown S, Siriwanarangsang P, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Peto J, Dos Santos Silva I, Fletcher O, Johnson N, Bolla MK, Wang Q, Dennis J, Sawyer EJ, Cheng T, Tomlinson I, Kerin MJ, Miller N, Marme F, Surowy HM, Burwinkel B, Guénel P, Truong T, Menegaux F, Mulot C, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Benitez J, Zamora MP, Arias Perez JI, Menéndez P, González Neira A, Pita G, Alonso MR, Álvarez N, Herrero D, Anton Culver H, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Meindl A, Lichtner P, Schmutzler RK, Muller Myhsok B, Brauch H, Bruning T, Ko YD, Genica Network, Tessier DC, Vincent D, Bacot F, Nevanlinna H, Aittomaki K, Blomqvist C, Khan S, Matsuo K, Ito H, Iwata H, Horio A, Bogdanova NV, Antonenkova NN, Dork T, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Kconfab Investigators, Australian Ovarian Cancer Study Group, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Neven P, Wauters E, Wildiers H, Lambrechts D, Chang Claude J, Rudolph A, Seibold P, Flesch Janys D, RADICE P, Peterlongo P, MANOUKIAN S, Bonanni B, Couch FJ, Wang X, Vachon C, Purrington K, Giles GG, Milne RL, Mclean C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Goldberg MS, Labreche F, Dumont M, Teo SH, Yip CH, Hassan N, Vithana EN, Kristensen V, Zheng W, Deming Halverson S, Shrubsole MJ, Long J, Winqvist R, Pylkas K, Jukkola Vuorinen A, Kauppila S, Andrusilis IL, Knight JA,

Glendon G, Tchatchou S, Devilee P, Tollenaar RA, Seynaeve C, Van Asperen CJ, Garcia Closas M, Figueiroa J, Lissowska J, Brinton L, Czene K, Darabi H, Eriksson M, Brand JS, Hooning MJ, Hollestelle A, Van Den Ouweland AM, Jager A, Li J, Liu J, Humphreys K, Shu XO, Lu W, Gao YT, Cai H, Cross SS, Reed MW, Blot W, Signorello LB, Cai Q, Pharoah PD, Perkins B, Shah M, Blows FM, Kang D, Yoo KY, Noh DY, Hartman M, Miao H, Chia KS, Putti TC, Hamann U, Luccarini C, Baynes C, Ahmed S, Maranian M, Healey CS, Jakubowska A, Lubinski J, Jaworska Bieniek K, Durda K, Sangrajrang S, Gaborieau V, Brennan P, Mckay J, Slager S, Toland AE, Yannoukakos D, Shen CY, Hsiung CN, Wu PE, Ding SL, Ashworth A, Jones M, Orr N, Swerdlow AJ, Tsimiklis H, Makalic E, Schmidt DF, Bui QM, Chanock SJ, Hunter DJ, Hein R, Dahmen N, Beckmann L, Altonen K, Muranen TA, Heikkilä T, Irwanto A, Rahman N, Turnbull CA, Breast And Ovarian Cancer Susceptibility (Bocs) Study, Waisfisz Q, Meijers Heijboer HE, Adank MA, Van Der Luijt RB, Hall P, Chenevix Trench G, Dunning A, Easton DF, Cox A. Identification and characterization of novel associations in the CASP8/ALS2CR12 region on chromosome 2 with breast cancer risk. Human Molecular Genetics 2015;24:285-298

157 - Orr N, Dudbridge F, Dryden N, Maguire S, Novo D, Perrakis E, Johnson N, Ghoussaini M, Hopper JL, Southey MC, Apicella C, Stone J, Schmidt MK, Broeks A, Van'T Veer LJ, Hogervorst FB, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Gibson L, Aitken Z, Warren H, Sawyer E, Tomlinson I, Kerin MJ, Miller N, Burwinkel B, Marime F, Schneeweiss A, Sohn C, Guénél P, Truong T, Cordina Duverger E, Sanchez M, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Benitez J, Zamora MP, Perez JIA, Menéndez P, Anton Culver H, Neuhausen SL, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Hamann U, Brauch H, Justenhoven C, Bruning T, Ko YD, Nevanlinna H, Aittomaki K, Blomqvist C, Khan S, Bogdanova N, Dork T, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Chenevix Trench G, Beesley J, Lambrechts D, Moisse M, Floris G, Beuselinck B, Chang Claude J, Rudolph A, Seibold P, Flesch Janys D, RADICE P, Peterlongo P, PEISSEL B, Pensotti V, Couch FJ, Olson JE, Slettedahl S, Vachon C, Giles GG, Milne RL, Mclean C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Goldberg MS, Labrèche F, Dumont M, Kristensen V, Alnaes GG, Nord S, Borresen Dale AL, Zheng W, Deming Halverson S, Shrubsall M, Long J, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, Andrusil IL, Knight JA, Glendon G, Tchatchou S, Devilee P, Tollenaar RA, Seynaeve CM, Van Asperen CJ, Garcia Closas M, Figueiroa J, Chanock SJ, Lissowska J, Czene K, Darabi H, Eriksson M, Klevebring D, Hooring MJ, Hollestelle A, Van Deurzen CH, Kriege M, Hall P, Li J, Liu J, Humphreys K, Cox A, Cross SS, Reed MW, Pharoah PD, Dunning AM, Shah M, Perkins BJ, Jakubowska A, Lubinski J, Jaworska Bieniek K, Durda K, Ashworth A, Swerdlow A, Jones M, Schoemaker MJ, Meindl A, Schmutzler RK, Olszwold C, Slager S, Toland AE, Yannoukakos D, Muir K, Lophatananon A, Stewart Brown S, Siriwanarangsorn P, Matsuo K, Ito H, Iwata H, Ishiguro J, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Teo SH, Yip CH, Kang P, Ikram MK, Shu XO, Lu W, Gao YT, Cai H, Kang D, Choi JY, Park SK, Noh DY, Hartman M, Miao H, Lim WY, Lee SC, Sangrajrang S, Gaborieau V, Brennan P, Mckay J, Wu PE, Hou MF, Yu JC, Shen CY, Blot W, Cai Q, Signorello LB, Luccarini C, Bayes C, Ahmed S, Maranian M, Healey CS, González Neira A, Pita G, Alonso MR, Álvarez N, Herrero D, Tessier DC, Vincent D, Bacot F, Hunter DJ, Lindstrom S, Dennis J, Michailidou K, Bolla MK, Easton DF, Dos Santos Silva I, Fletcher O, Peto J, Genica Network, Kconfab Investigators, Australian Ovarian Cancer Study Group. Fine-mapping identifies two additional breast cancer susceptibility loci at 9q31.2. Human Molecular Genetics 2015;24:2966-2984

158 - Mavaddat N, Pharoah PD, Michailidou K, Tyrer J, Brook MN, Bolla MK, Wang Q, Dennis J, Dunning AM, Shah M, Luben R, Brown J, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Czene K, Darabi H, Eriksson M, Peto J, Dos Santos Silva I, Dudbridge F, Johnson N, Schmidt MK, Broeks A, Verhoef S, Rutgers EJ, Swerdlow A, Ashworth A, Orr N, Schoemaker MJ, Figueiroa J, Chanock SJ, Brinton L, Lissowska J, Couch FJ, Olson JE, Vachon C, Pankratz VS, Lambrechts D, Wildiers H, Van Ongeval C, Van Limbergen E, Kristensen V, Grenaker Alnaes G, Nord S, Borresen Dale AL, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Chang Claude J, Rudolph A, Seibold P, Flesch Janys D, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Burwinkel B, Marime F, Schneeweiss A, Sohn C, Trentham Dietz A, Newcomb P, Titus L, Egan KM, Hunter DJ, Lindstrom S, Tamimi RM, Kraft P, Rahman N, Turnbull C, Renwick A, Seal S, Li J, Liu J, Humphreys K, Benitez J, Pilar Zamora M, Arias Perez JI, Menéndez P, Jakubowska A, Lubinski J, Jaworska Bieniek K, Durda K, Bogdanova NV, Antonenкова NN, Dork T, Anton Culver H, Neuhausen SL, Ziogas A, Bernstein L, Devilee P, Tollenaar RA, Seynaeve C, Van Asperen CJ, Cox A, Cross SS, Reed MW, Khusnudinova E, Bermisheva M, Prokofyeva D, Takhirova Z, Meindl A, Schmutzler RK, Sutter C, Yang R, Schurmann P, Bremer M, Christiansen H, Park Simon TW, Hillemanns P, Guénél P, Truong T, Menegaux F, Sanchez M, RADICE P, Peterlongo P, MANOUKIAN S, Pensotti V, Hopper JL, Tsimiklis H, Apicella C, Southey MC, Brauch H, Bruning T, Ko YD, Sigurdson AJ, Doody MM, Hamann U, Torres D, Ulmer HU, Forsti A, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Andrusil IL, Knight JA, Glendon G, Marie Mulligan A, Chenevix Trench G, Balleine R, Giles GG, Milne RL, Mclean C, Lindblom A, Margolin S, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Elber U, Wang Gohrke S, Hooring MJ, Hollestelle A, Van Den Ouweland AM, Koppert LB, Carpenter J, Clarke C, Scott R, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Brenner H, Arndt V, Stegmaier C, Karina Dieffenbach A, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, Offit K, Vijai J, Robson M, Rau Murthy R, Dwek M, Swann R, Annie Perkins K, Goldberg MS, Labrèche F, Dumont M, Eccles DM, Tapper WJ, Rafiq S, John EM, Whittemore AS, Slager S, Yannoukakos D, Toland AE, Yao S, Zheng W, Halverson SL, González Neira A, Pita G, Rosario Alonso M, Álvarez N, Herrero D, Tessier DC, Vincent D, Bacot F, Luccarini C, Baynes C, Ahmed S, Maranian M, Healey CS, Simard J, Hall P, Easton DF, Garcia Closas M. Prediction of breast cancer risk based on profiling with common genetic variants. Jnci-Journal Of The National Cancer Institute 2015;107:dvj036

159 - Blein S, Bardel C, Danjean V, McGuffog L, Healey S, Barrowdale D, Lee A, Dennis J, Kuchenbaecker KB, Soucy P, Terry MB, Chung WK, Goldgar DE, Buys SS, Breast Cancer Family Registry, Janavicius R, Tihomirova L, Tung N, Dorfling CM, Van Rensburg EJ, Neuhausen SL, Ding YC, Gerdes AM, Ejlersen B, Nielsen FC, Hansen TV, Osorio A, Benitez J, Conejero RA, Segota E, Weitzel JN, Thelander M, Peterlongo P, RADICE P, Pensotti V, Dolcetti R, Bonanni B, PEISSEL B, ZAFFARONI D, SCUVERA G, MANOUKIAN S, Varesco L, Capone GL, Papi L, Ottini L, Yannoukakos D, Konstantopoulou I, Garber J, Hamann U, Donaldson A, Brady A, Brewer C, Foo C, Evans DG, Frost D, Eccles D, Embrace, Douglas F, Cook J, Adlard J, Barwell J, Walker L, Izatt L, Side LE, Kennedy MJ, Tischkowitz M, Rogers MT, Porteous ME, Morrison PJ, Platte R, Eeles R, Davidson R, Hodgson S, Cole T, Godwin AK, Isaacs C, Claes K, De Leeneer K, Meindl A, Gehrig A, Wappenschmidt B, Sutter C, Engel C, Niederacher D, Steinemann D, Plendl H, Kast K, Rhiem K, Ditsch N, Arnold N, Varon Mateeva R, Schmutzler RK, Preisler Adams S, Markov NB, Wang Gohrke S, De Pauw A, Lefol C, Lasset C, Leroux D, Rouleau E, Damiola F, Gemo Study Collaborators, Dreyfus H, Barjhoux L, Golmard L, Uhrhammer N, Bonadona V, Sornin V, Bignon YJ, Carter J, Van Le L, Piedmonte M, Disilvestro PA, De La Hoya M, Caldes T, Nevanlinna H, Aittomaki K, Jager A, Van Den Ouweland AM, Kets CM, Aalfs CM, Van Leeuwen FE, Hogervorst FB, Meijers Heijboer HE, Hebon, Oosterwijk JC, Van Rozendaal KE, Rookus MA, Devilee P, Van Der Luijt RB, Olah E, Diez O, Teule A, Lazaro C, Blanco I, Del Valle J, Jakubowska A, Sukienińska G, Gronwald J, Lubinski J, Durda K, Jaworska Bieniek K, Agnarsson BA, Maugard C, Amadori A, Montagna M, Teixeira MR, Spurdle AB, Foulkes W, Olszwold C, Lindor NM, Pankratz VS, Szabo CI, Lincoln A, Jacobs L, Corines M, Robson M, Vijai J, Berger A, Fink Retter A, Singer CF, Rappaport C, Kaulich DG, Pfeiler G, Tea MK, Greene MH, Mai PL, Rennert G, Imanitov EN, Mulligan AM, Glendon G, Andrusil IL, Tchatchou S, Toland AE, Pedersen IS, Thomassen M, Kruse TA, Jensen UB, Caligo MA, Friedman E, Zidan J, Laitman Y, Lindblom A, Melin B, Arver B, Loman N, Rosenquist R, Olopade OI, Nussbaum RL, Ramus SJ, Nathanson KL, Domchek SM, Rebbeck TR, Arun BK, Mitchell G, Karlan BY, Lester J, Orsulic S, Stoppa Lyonnet D, Thomas G, Simard J, Couch FJ, Offit K, Easton DF, Chenevix Trench G, Antoniou AC, Mazoyer S, Phelan CM, Sinilnikova OM, Cox DG. An original phylogenetic approach identified mitochondrial haplogroup T1a1 as inversely associated with breast cancer risk in BRCA2 mutation carriers. Breast Cancer Research 2015;17:61

160 - Pirie A, Guo Q, Kraft P, Canisius S, Eccles DM, Rahman N, Nevanlinna H, Chen C, Khan S, Tyrer J, Bolla MK, Wang Q, Dennis J, Michailidou K, Lush M, Dunning AM, Shah M, Czene K, Darabi H, Eriksson M, Lambrechts D, Weltens C, Leunen K, Van Ongeval C, Nordestgaard BG, Nielsen SF, Flyger H, Rudolph A, Seibold P, Flesch Janys D, Blomqvist C, Aittomaki K, Fagerholm R, Muranen TA, Olsen JE, Hallberg E, Vachon C, Knight JA, Glendon G, Mulligan AM, Broeks A, Cornelissen S, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Hopper JL, Tsimiklis H, Apicella C, Southey MC, Cross SS, Reed MW, Giles GG, Milne RL, Mclean C, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, Hooning MJ, Hollestelle A, Martens JW, Van Den Ouweland AM, Marme F, Schneeweiss A, Yang R, Burwinkel B, Figueroa J, Chanock SJ, Lissowska J, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Brenner H, Butterbach K, Holleczek B, Kataja V, Kosma VM, Hartikainen JM, Li J, Brand JS, Humphreys K, Devilee P, Tollenaar RA, Seynaeve C, RADICE P, Peterlongo P, MANOUKIAN S, Ficarazzi F, Beckmann MW, Hein A, Ekici AB, Balleine R, Phillips KA, Kconfab Investigators, Benitez J, Zamora MP, Perez JI, Menendez P, Jakubowska A, Lubinski J, Gronwald J, Durda K, Hamann U, Kabisch M, Ulmer HU, Rudiger T, Margolin S, Kristensen V, Nord S, Nbcs Investigators, Evans DG, Abraham J, Earl H, Poole CJ, Hiller L, Dunn JA, Bowden S, Yang R, Campa D, Diver WR, Gapstur SM, Gaudet MM, Hankinson S, Hoover RN, Husing A, Kaaks R, Machiela MJ, Willett W, Barndahl M, Canzian F, Chin SF, Caldas C, Hunter DJ, Lindstrom S, Garcia Closas M, Couch FJ, Chenevix Trench G, Mannermaa A, Andrusil IL, Hall P, Chang Claude J, Easton DF, Bojesen SE, Cox A, Fasching PA, Pharoah PD, Schmidt MK. Common germline polymorphisms associated with breast cancer-specific survival. *Breast Cancer Research* 2015;17:58

161 - Peterlongo P, Catucci I, COLOMBO M, CALECA L, Mucaki E, Bogliolo M, Marin M, Damiola F, Bernard L, Pensotti V, Volorio S, Dall'Olio V, Meindl A, Bartram C, Sutter C, Surowy H, Sornin V, Dondon MG, Eon Marchais S, Stoppa Lyonnet D, Andrieu N, Sinilnikova OM, Genesis, Mitchell G, James PA, Thompson E, Kconfab, Swe Brca, Marchetti M, Verzeroli C, Tartari C, Capone GL, Putignano AL, Genuardi M, Medici V, Marchi I, Federico M, Tognazzo S, Matricardi L, Agata S, Dolcetti R, Puppa LD, Cini G, Gismondi V, Viassolo V, Perfumo C, Mencarelli MA, Baldassari M, PEISSEL B, Roversi G, Silvestri V, Rizzolo P, Spina F, Vivian C, Tibiletti MG, Caligo MA, Gambino G, Tommasi S, Pilato B, Tondini C, Corna C, Bonanni B, Barile M, Osorio A, Benitez J, Balestrino L, Ottini L, MANOUKIAN S, PIEROTTI MA, Renieri A, Varesco L, Couch FJ, Wang X, Devilee P, Hilbers FS, Van Asperen CJ, Viel A, Montagna M, Cortesi L, Diez O, Balmana J, Hauke J, Schmutzler RK, Papi L, Pujana MA, Lazaro C, Falanga A, Offit K, Vijai J, Campbell I, Burwinkel B, Kvist A, Ehrencresta H, Mazoyer S, PIZZAMIGLIO S, VERDERIO P, Surralles J, Rogan PK, RADICE P. FANCM c.5791C>T nonsense mutation (rs144567652) induces exon skipping, affects DNA repair activity and is a familial breast cancer risk factor. *Human Molecular Genetics* 2015;24:5345-5355

162 - Zhang B, Shu XO, Delahanty RJ, Zeng C, Michailidou K, Bolla MK, Wang Q, Dennis J, Wen W, Long J, Li C, Dunning AM, Chang Claude J, Shah M, Perkins BJ, Czene K, Darabi H, Eriksson M, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Lambrechts D, Neven P, Wildiers H, Floris G, Schmidt MK, Rookus MA, Van Den Hurk K, De Kort WL, Couch FJ, Olson JE, Hallberg E, Vachon C, Rudolph A, Seibold P, Flesch Janys D, Peto J, Dos Santos Silva I, Fletcher O, Johnson N, Nevanlinna H, Muranen TA, Aittomaki K, Blomqvist C, Li J, Humphreys K, Brand J, Guenel P, Truong T, Cordina Duverger E, Menegaux F, Burwinkel B, Marme F, Yang R, Surowy H, Benitez J, Zamora MP, Perez JI, Cox A, Cross SS, Reed MW, Andrusil IL, Knight JA, Glendon G, Tchatchou S, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Chenevix Trench G, Kconfab Investigators, Australian Ovarian Study Group, Haiman CA, Henderson BE, Schumacher F, Marchand LL, Lindblom A, Margolin S, Hooning MJ, Martens JW, Tilanus Linthorst MM, Collee JM, Hopper JL, Southey MC, Tsimiklis H, Apicella C, Slager S, Toland AE, Ambrosone CB, Yannoukakos D, Giles GG, Milne RL, Mclean C, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Swerdlow AJ, Ashworth A, Orr N, Jones M, Figueroa J, Garcia Closas M, Brinton L, Lissowska J, Dumont M, Winquist R, Pylkas K, Jukkola Vuorinen A, Grip M, Brauch H, Bruning T, Ko YD, Peterlongo P, MANOUKIAN S, Bonanni B, RADICE P, Bogdanova N, Antonenko N, Dork T, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Devilee P, Seynaeve C, Van Asperen CJ, Jakubowska A, Lubinski J, Jaworska Bieniek K, Durda K, Hamann U, Torres D, Schmutzler RK, Neuhausen SL, Anton Culver H, Kristensen VN, Grenaker Alnaes GI, Drive Project, Pierce BL, Kraft P, Peters U, Lindstrom S, Seminara D, Burgess S, Ahsan H, Whittemore AS, John EM, Gammon MD, Malone KE, Tessier DC, Vincent D, Bacot F, Luccarini C, Baynes C, Ahmed S, Maranian M, Healey CS, Gonzalez Neira A, Pita G, Alonso MR, Alvarez N, Herrero D, Pharoah PD, Simard J, Hall P, Hunter DJ, Easton DF, Zheng W. Height and Breast Cancer Risk: Evidence From Prospective Studies and Mendelian Randomization. *Jnci-journal Of The National Cancer Institute* 2015;107:djv219

163 - Silvestri V, Rizzolo P, Scarnò M, Chillemi G, Navazio AS, Valentini V, Zelli V, Zanna I, Saieva C, Masala G, Bianchi S, MANOUKIAN S, Barile M, Pensotti V, Peterlongo P, Varesco L, Tommasi S, Russo A, Giannini G, Cortesi L, Viel A, Montagna M, RADICE P, Palli D, Ottini L. Novel and known genetic variants for male breast cancer risk at 8q24.21, 9p21.3, 11q13.3 and 14q24.1: Results from a multicenter study in Italy. *European Journal Of Cancer* 2015;51:2289-2295

164 - Roversi G, Picinelli C, Bestetti I, Crippa M, PEROTTI D, CICERI S, Saccheri F, COLLINI P, Poliani PL, CATANIA S, PEISSEL B, Pagni F, Russo S, Peterlongo P, MANOUKIAN S, Finelli P. Constitutional de novo deletion of the FBXW7 gene in a patient with focal segmental glomerulosclerosis and multiple primitive tumors. *Scientific Reports* 2015;5:15454

165 - Guo X, Long J, Zeng C, Michailidou K, Ghoussaini M, Bolla MK, Wang Q, Milne RL, Shu XO, Cai Q, Beesley J, Kar SP, Andrusil IL, Anton Culver H, Arndt V, Beckmann MW, Beeghly Fadiel A, Benitez J, Blot W, Bogdanova N, Bojesen SE, Brauch H, Brenner H, Brinton L, Broeks A, Bruning T, Burwinkel B, Cai H, Canisius S, Chang Claude J, Choi JY, Couch FJ, Cox A, Cross SS, Czene K, Darabi H, Devilee P, Droit A, Dork T, Fasching PA, Fletcher O, Flyger H, Fostira F, Gaborieau V, Garcia Closas M, Giles GG, Grip M, Guenel P, Haiman CA, Hamann U, Hartman M, Hollestelle A, Hopper JL, Hsiung CN, Ito H, Jakubowska A, Johnson N, Kabisch M, Kang D, Khan S, Knight JA, Kosma VM, Lambrechts D, Le Marchand L, Li J, Lindblom A, Lophatananon A, Lubinski J, Mannermaa A, MANOUKIAN S, Margolin S, Marme F, Matsuo K, Mclean CA, Meindl A, Muir K, Neuhausen SL, Nevanlinna H, Nord S, Olson JE, Orr N, Peterlongo P, Putti TC, Rudolph A, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Shen CY, Shi J, Shrubsole MJ, Southey MC, Swerdlow A, Teo SH, Thienpont B, Toland AE, Tollenaar RA, Tomlinson IP, Truong T, Tseng CC, Van Den Ouweland A, Wen W, Winquist R, Wu A, Yip CH, Zamora MP, Zheng Y, Hall P, Pharoah PD, Simard J, Chenevix Trench G, Kconfab Investigators, Dunning AM, Easton DF, Zheng W. Fine-scale mapping of the 4q24 locus identifies & pr two independent loci associated with breast cancer risk. *Cancer Epidemiology Biomarkers & Prevention* 2015;24:1680-1691

166 - Segev Y, Rosen B, Lubinski J, Gronwald J, Lynch HT, Moller P, Kim Sing C, Ghadirian P, Karlan B, Eng C, Gilchrist D, Neuhausen SL, Eisen A, Friedman E, Euhus D, Ping S, Narod SA, Hereditary Breast Cancer Study Group {MANOUKIAN S}. Risk factors for endometrial cancer among women with a BRCA1 or BRCA2 mutation: a case control study. *Familial Cancer* 2015;14:383-391

167 - Kotsopoulos J, Lubinski J, Gronwald J, Cybulski C, Demsky R, Neuhausen SL, Kim Sing C, Tung N, Friedman S, Senter L, Weitzel J, Karlan B, Moller P, Sun P, Narod SA, Hereditary Breast Cancer Clinical Study Group {MANOUKIAN S}. Factors influencing ovulation and the risk of ovarian cancer in BRCA1 and BRCA2 mutation carriers. *International Journal Of Cancer* 2015;137:1136-1146

168 - Silvestri V, Barrowdale D, Mulligan AM, Neuhausen SL, Fox S, Karlan BY, Mitchell G, James P, Thull DL, Zorn KK, Carter NJ, Nathanson KL, Domchek SM, Rebbeck TR, Ramus SJ, Nussbaum RL, Olopade OI, Rantala J, Yoon SY, Caligo MA, Spugnesi L, Bojesen A, Pedersen IS, Thomassen M, Jensen UB, Toland AE, Senter L, Andrusil IL, Glendon G, Hulick PJ, Imanitov EN, Greene MH, Mai PL, Singer CF, Rappaport Fuerhauser C, Kramer G, Vijai J, Offit K, Robson M, Lincoln A, Jacobs L, Machackova E, Foretova L, Navratilova M, Vasickova P, Couch FJ, Hallberg E, Ruddy KJ, Sharma P, Kim SW, Kconfab Investigators, Teixeira MR, Pinto P, Montagna M, Matricardi L, Arason A, Johannsson OT, Barkardottir RB, Jakubowska A, Lubinski J, Izquierdo A, Pujana MA, Balmana J, Diez O, Ivady G, Papp J, Olah E, Kwong A, Hereditary Breast And Ovarian Cancer Research Group Netherlands (Hebon), Nevanlinna H, Aittomaki K, Perez Segura P, Caldes T, Van Maerken T, Poppe B, Claes KB, Isaacs C, Elan C, Lasset C, Stoppa Lyonnet D, Barjhoux L, Belotti M, Meindl A, Gehrig A, Sutter C, Engel C, Niederacher D, Steinemann D, Hahnens E, Kast K, Arnold N, Varon Mateeva R, Wand D, Godwin AK, Evans DG, Frost D, Perkins J, Adlard J, Izatt L, Platte R, Eeles R, Ellis S, Embrace, Hamann U, Garber J, Fostira F, Fountzilas G, Pasini B, Giannini G, Rizzolo P, Russo A, Cortesi L, Papi L, Varesco L, Palli D, Zanna I, Savarese A, RADICE P, MANOUKIAN S, PEISSEL B, Barile M, Bonanni B, Viel A, Pensotti V, Tommasi S, Peterlongo P, Weitzel JN, Osorio A, Benitez J, McGuffog L, Healey S, Gerdes AM, Ejlerksen B, Hansen TV, Steele L, Ding YC, Tung N, Janavicius R, Goldgar DE, Buys SS, Daly MB, Bane A, Terry MB, John EM, Southe MC, Easton DF, Chenevix Trench G, Antoniou AC, Ottini L. Male breast cancer in BRCA1 and BRCA2 mutation carriers: pathology data from the Consortium of Investigators of Modifiers of BRCA1/2. *Breast Cancer Research* 2016;18:15

169 - Bruno W, Pastorino L, Ghiorzo P, Andreotti V, Martinuzzi C, Menin C, Elefanti L, Stagni C, Vecchiato A, RODOLFO M, MAURICHI A, MANOUKIAN S, De Giorgi V, Savarese I, Gensini F, Borgognoni L, Testori A, Spadola G, Mandala M, Imberti G, Savoia P, Astrua C, Ronco AM, Farnetti A, Tibiletti MG, Lombardo M, Palmieri G, Ayala F, Ascierto P, Ghigliotti G, Muggiani M, Spagnolo F, Picasso V, Tanda ET, Queirolo P, Bianchi Scarpa G. Multiple primary melanomas (MPMs) and criteria for genetic assessment: MultiMEL, a multicenter study of the Italian Melanoma Intergroup. *Journal Of The American Academy Of Dermatology* 2016;74:325-332

170 - Meeks HD, Song H, Michailidou K, Bolla MK, Dennis J, Wang Q, Barrowdale D, Frost D, Embrace, McGuffog L, Ellis S, Feng B, Buys SS, Hopper JL, Southe MC, Tesoriero A, Kconfab Investigators, James PA, Bruinsma F, Campbell IG, Australia Ovarian Cancer Study Group, Broeks A, Schmidt MK, Hogervorst FB, Hebon, Beckman MW, Fasching PA, Fletcher O, Johnson N, Sawyer EJ, Riboli E, Banerjee S, Menon U, Tomlinson I, Burwinkel B, Hamann U, Marne F, Rudolph A, Janavicius R, Tihomirova L, Tung N, Garber J, Cramer D, Terry KL, Poole EM, Tworoger SS, Dorfling CM, Van Rensburg EJ, Godwin AK, Guenel P, Truong T, Gemo Study Collaborators, Stoppa Lyonnet D, Damiola F, Mazoyer S, Sinilnikova OM, Isaacs C, Maugard C, Bojesen SE, Flyger H, Gerdes AM, Hansen TV, Jensen A, Kjaer SK, Hogdall C, Hogdall E, Pedersen IS, Thomassen M, Benitez J, Gonzalez Neira A, Osorio A, De La Hoya M, Segura PP, Diez O, Lazaro C, Brunet J, Anton Culver H, Eunjung L, John EM, Neuhausen SL, Ding YC, Castillo D, Weitzel JN, Ganz PA, Nussbaum RL, Chan SB, Karlan BY, Lester J, Wu A, Gayther S, Ramus SJ, Sieh W, Whitemore AS, Monteiro AN, Phelan CM, Terry MB, Piedmonte M, Offit K, Robson M, Levine D, Moysich KB, Cannioto R, Olson SH, Daly MB, Nathanson KL, Domchek SM, Lu KH, Liang D, Hildebrandt MA, Ness R, Modugno F, Pearce L, Goodman MT, Thompson PJ, Brenner H, Butterbach K, Meindl A, Hahnens E, Wappenschmidt B, Brauch H, Bruning T, Blomqvist C, Khan S, Nevanlinna H, Pelttari LM, Aittomaki K, Butzow R, Bogdanova NV, Dork T, Lindblom A, Margolin S, Rantala J, Kosma VM, Mannermaa A, Lambrechts D, Neven P, Claes KB, Maerken TV, Chang Claude J, Flesch Janys D, Heitz F, Varon Mateeva R, Peterlongo P, RADICE P, Viel A, Barile M, PEISSEL B, MANOUKIAN S, Montagna M, Oliani C, Peixoto A, Teixeira MR, Collavoli A, Hallberg E, Olson JE, Goode EL, Hart SN, Shimelis H, Cunningham JM, Giles GG, Milne RL, Healey S, Tucker K, Haiman CA, Henderson BE, Goldberg MS, Tischkowitz M, Simard J, Soucy P, Eccles DM, Le N, Borresen Dale AL, Kristensen V, Salvesen HB, Bjorge L, Bandera EV, Risch H, Zheng W, Beeghly Fadiel A, Cai H, Pylkas K, Tollenaar RA, Ouweland AM, Andrusil IL, Knight JA, Ognen S, Devilee P, Winquist R, Figueroa J, Greene MH, Mai PL, Loud JT, Garcia Closas M, Schoemaker MJ, Czene K, Darabi H, Mcneish I, Siddiqui N, Glasspool R, Kwong A, Park SK, Teo SH, Yoon SY, Matsuo K, Hosono S, Woo YL, Gao YT, Foretova L, Singer CF, Rappaport Fuerhauser C, Friedman E, Laitman Y, Rennert G, Imanitov EN, Hulick PJ, Olopade OI, Senter L, Olah E, Doherty JA, Schildkraut J, Koppert LB, Kiemeney LA, Massuger LF, Cook LS, Pejovic T, Li J, Borg A, Ofverholm A, Rossing MA, Wentzensen N, Henriksson K, Cox A, Cross SS, Pasini BJ, Shah M, Kabisch M, Torres D, Jakubowska A, Lubinski J, Gronwald J, Agnarsson BA, Kupryjanczyk J, Moes Sosnowska J, Fostira F, Konstantopoulou I, Slager S, Jones M, Prostate Cancer Association Group To Investigate Cancer Associated Alterations In The Genome, Antoniou AC, Berchuck A, Swerdlow A, Chenevix Trench G, Dunning AM, Pharoah PD, Hall P, Easton DF, Couch FJ, Spurdle AB, Goldgar DE. BRCA2 Polymorphic Stop Codon K3326X and the Risk of Breast, Prostate, and Ovarian Cancers. *Jnci-journal Of The National Cancer Institute* 2016;108:

171 - Podo F, Santoro F, Di Leo G, MANOUKIAN S, De Giacomi C, Corcione S, Cortesi L, Carbonaro LA, Trimboli RM, Cilotti A, Preda L, Bonanni B, Pensabene M, Martincich L, Savarese A, Contegiacomo A, Sardanelli F. Triple-negative versus non-triple-negative breast cancers in high-risk women: Phenotype features and survival from the HIBCRIT-1 MRI-including screening study. *Clinical Cancer Research* 2016;22:895-904

172 - La Verde N, Corsi F, Moretti A, PEISSEL B, Dalu D, Girelli S, Fasola C, Gambaro A, Roversi G, AZZOLLINI J, RADICE P, Pensotti V, Farina G, MANOUKIAN S. A targeted approach to genetic counseling in breast cancer patients: The experience of an Italian local project. *Tumori* 2016;102:45-50

173 - Zhao Z, Wen W, Michailidou K, Bolla MK, Wang Q, Zhang B, Long J, Shu XO, Schmidt MK, Milne RL, García Closas M, Chang Claude J, Lindstrom S, Bojesen SE, Ahsan H, Aittomaki K, Andrusil IL, Anton Culver H, Arndt V, Beckmann MW, Beeghly Fadiel A, Benitez J, Blomqvist C, Bogdanova NV, Borresen Dale AL, Brand J, Brauch H, Brenner H, Burwinkel B, Cai Q, Casey G, Chenevix Trench G, Couch FJ, Cox A, Cross SS, Czene K, Dork T, Dumont M, Fasching PA, Figueroa J, Flesch Janys D, Fletcher O, Flyger H, Fostira F, Gammon M, Giles GG, Guénel P, Haiman CA, Hamann U, Harrington P, Hartman M, Hooning MJ, Hopper JL, Jakubowska A, Jasmine F, John EM, Johnson N, Kabisch M, Khan S, Kibria M, Knight JA, Kosma VM, Krieger M, Kristensen V, Le Marchand L, Lee E, Li J, Lindblom A, Lophatananon A, Luben R, Lubinski J, Malone KE, Mannermaa A, MANOUKIAN S, Margolin S, Marne F, Mclean C, Meijers Heijboer H, Meindl A, Miao H, Muir K, Neuhausen SL, Nevanlinna H, Neven P, Olson JE, Perkins B, Peterlongo P, Phillips KA, Pylkas K, Rudolph A, Santella R, Sawyer EJ, Schmutzler RK, Schoemaker M, Shah M, Shrubsole M, Southe MC, Swerdlow AJ, Toland AE, Tomlinson I, Torres D, Truong T, Ursin G, Van Der Luijt RB, Verhoef S, Wang Gohrke S, Whittemore AS, Winquist R, Pilar Zamora M, Zhao H, Dunning AM, Simard J, Hall P, Kraft P, Pharoah P, Hunter D, Easton DF, Zheng W. Association of genetic susceptibility variants for type 2 diabetes with breast cancer risk in women of European ancestry. *Cancer Causes & Control* 2016;27:679-693

174 - Dunning AM, Michailidou K, Kuchenbaecker KB, Thompson D, French JD, Beesley J, Healey CS, Kar S, Pooley KA, Lopez Knowles E, Dicks E, Barrowdale D, Sinnott Armstrong NA, Sallari RC, Hillman KM, Kaufmann S, Sivakumaran H, Moradi Marjaneh M, Lee JS, Hills M, Jarossz M, Drury S, Canisius S, Bolla MK, Dennis J, Wang Q, Hopper JL, Southe MC, Broeks A, Schmidt MK, Lophatananon A, Muir K, Beckmann MW, Fasching PA, Dos Santos Silva I, Peto J, Sawyer EJ, Tomlinson I, Burwinkel B, Marne F, Guénel P, Truong T, Bojesen SE, Flyger H, Gonzalez

Neira A, Perez JI, Anton Culver H, Eunjung L, Arndt V, Brenner H, Meindl A, Schmutzler RK, Brauch H, Hamann U, Aittomaki K, Blomqvist C, Ito H, Matsuo K, Bogdanova N, Dork T, Lindblom A, Margolin S, Kosma VM, Mannermaa A, Tseng CC, Wu AH, Lambrechts D, Wildiers H, Chang Claude J, Rudolph A, Peterlongo P, RADICE P, Olson JE, Giles GG, Milne RL, Haiman CA, Henderson BE, Goldberg MS, Teo SH, Yip CH, Nord S, Borresen Dale AL, Kristensen V, Long J, Zheng W, Pylkas K, Winquist R, Andrusil IL, Knight JA, Devilee P, Seynaeve C, Figueiroa J, Sherman ME, Czene K, Darabi H, Hollestelle A, Van Den Ouweland AM, Humphreys K, Gao YT, Shu XO, Cox A, Cross SS, Blot W, Cai Q, Ghoussaini M, Perkins BJ, Shah M, Choi JY, Kang D, Lee SC, Hartman M, Kabisch M, Torres D, Jakubowska A, Lubinski J, Brennan P, Sangrajrang S, Ambrosone CB, Toland AE, Shen CY, Wu PE, Orr N, Swerdlow A, McGuffog L, Healey S, Lee A, Kapuscinski M, John EM, Terry MB, Daly MB, Goldgar DE, Buys SS, Janavicius R, Tihomirova L, Tung N, Dorfling CM, Van Rensburg EJ, Neuhausen SL, Ejertsen B, Hansen TV, Osorio A, Benitez J, Rando R, Weitzel JN, Bonanni B, PEISSEL B, MANOUKIAN S, Papi L, Ottini L, Konstantopoulou I, Apostolou P, Garber J, Rashid MU, Frost D, Embrace, Izatt L, Ellis S, Godwin AK, Arnold N, Niederacher D, Rhiem K, Bogdanova Markov N, Sagne C, Stopka Lyonnet D, Damiola F, Gemo Study Collaborators, Sinilnikova OM, Mazoyer S, Isaacs C, Claes KB, De Leeneer K, De La Hoya M, Caldes T, Nevanlinna H, Khan S, Mensenkamp AR, Hebon, Hooring MJ, Rookus MA, Kwong A, Olah E, Diez O, Brunet J, Pujana MA, Gronwald J, Huzarski T, Barkardottir RB, Laframboise R, Soucy P, Montagna M, Agata S, Teixeira MR, Kconfab Investigators, Park SK, Lindor N, Couch FJ, Tischkowitz M, Foretova L, Vijai J, Offit K, Singer CF, Rappaport C, Phelan CM, Greene MH, Mai PL, Rennert G, Imyanitov EN, Hulick PJ, Phillips KA, Piedmonte M, Mulligan AM, Glendon G, Bojesen A, Thomassen M, Caligo MA, Yoon SY, Friedman E, Laitman Y, Borg A, Von Wachenfeldt A, Ehrencreutz H, Rantala J, Olopade OI, Ganz PA, Nussbaum RL, Gayther SA, Nathanson KL, Domchek SM, Arun BK, Mitchell G, Karlan BY, Lester J, Maskarinec G, Woolcott C, Scott C, Stone J, Apicella C, Tamimi R, Luben R, Khaw KT, Helland A, Haakensen V, Dowsett M, Pharoah PD, Simard J, Hall P, Garcia Closas M, Vachon C, Chenevix Trench G, Antoniou AC, Easton DF, Edwards SL. Breast cancer risk variants at 6q25 display different phenotype associations and regulate ESR1, RMND1 and CCDC170. *Nature Genetics* 2016;48:374-386

175 - Couch FJ, Kuchenbaecker KB, Michailidou K, Mendoza Fandino GA, Nord S, Lilyquist J, Olszwold C, Hallberg E, Agata S, Ahsan H, Aittomaki K, Ambrosone C, Andrusil IL, Anton Culver H, Arndt V, Arun BK, Arver B, Barile M, Barkardottir RB, Barrowdale D, Beckmann L, Beckmann MW, Benitez J, Blank SV, Blomqvist C, Bogdanova NV, Bojesen SE, Bolla MK, Bonanni B, Brauch H, Brenner H, Burwinkel B, Buys SS, Caldes T, Caligo MA, Canzian F, Carpenter J, Chang Claude J, Chanock SJ, Chung WK, Claes KB, Cox A, Cross SS, Cunningham JM, Czene K, Daly MB, Damiola F, Darabi H, De La Hoya M, Devilee P, Diez O, Ding YC, Dolcetti R, Domchek SM, Dorfling CM, Dos Santos Silva I, Dumont M, Dunning AM, Eccles DM, Ehrencreutz H, Ekici AB, Eliassen H, Ellis S, Fasching PA, Figueiroa J, Flesch Janys D, Fostira A, Foulkes WD, Friebel T, Friedman E, Frost D, Gabrielson M, Gammon MD, Ganz PA, Gapstur SM, Garber J, Gaudet MM, Gayther SA, Gerdes AM, Ghoussaini M, Giles GG, Glendon G, Godwin AK, Goldberg MS, Goldgar DE, Gonzalez Neira A, Greene MH, Gronwald J, Guenel P, Gunter M, Haeberle L, Haiman CA, Hamann U, Hansen TV, Hart S, Healey S, Heikkilä T, Henderson BE, Herzog J, Hogervorst FB, Hollestelle A, Hooring MJ, Hoover RN, Hopper JL, Humphreys K, Hunter DJ, Huzarski T, Imyanitov EN, Isaacs C, Jakubowska A, James P, Janavicius R, Jensen UB, John EM, Jones M, Kabisch M, Kar S, Karlan BY, Khan S, Khaw KT, Kibriya MG, Knight JA, Ko YD, Konstantopoulou I, Kosma VM, Kristensen V, Kwong A, Laitman Y, Lambrechts D, Lazaro C, Lee E, Le Marchand L, Lester J, Lindblom A, Lindor N, Lindstrom S, Liu J, Long J, Lubinski J, Mai PL, Makalic E, Malone KE, Mannermaa A, MANOUKIAN S, Margolin S, Marime F, Martens JW, McGuffog L, Meindl A, Miller A, Milne RL, Miron P, Montagna M, Mazoyer S, Mulligan AM, Muranen TA, Nathanson KL, Neuhausen SL, Nevanlinna H, Nordestgaard BG, Nussbaum RL, Offit K, Olah E, Olopade OI, Olson JE, Osorio A, Park SK, Peeters PH, PEISSEL B, Peterlongo P, Peto J, Phelan CM, Pilarski R, Poppe B, Pylkas K, RADICE P, Rahman N, Rantala J, Rappaport C, Rennert G, Richardson A, Robson M, Romieu I, Rudolph A, Rutgers EJ, Sanchez MJ, Santella RM, Sawyer EJ, Schmidt DF, Schmidt MK, Schmutzler RK, Schumacher F, Scott R, Senter L, Sharma P, Simard J, Singer CF, Sinilnikova OM, Soucy P, Southey M, Steinemann D, Stenmark Askholm M, Stopka Lyonnet D, Swerdlow A, Szabo CI, Tamimi R, Tapper W, Teixeira MR, Teo SH, Terry MB, Thomassen M, Thompson D, Tihomirova L, Toland AE, Tollenar RA, Tomlinson I, Truong T, Tsimiklis H, Teule A, Tumino R, Tung N, Turnbull C, Ursin G, Van Deurzen CH, Van Rensburg EJ, Varon Mateeva R, Wang Z, Wang Gohrke S, Weiderpass E, Weitzel JN, Whittemore A, Wildiers H, Winquist R, Yang XR, Yannoukakos D, Yao S, Zamora MP, Zheng W, Hall P, Kraft P, Vachon C, Slager S, Chenevix Trench G, Pharoah PD, Monteiro AA, Garcia Closas M, Easton DF, Antoniou AC. Identification of four novel susceptibility loci for oestrogen receptor negative breast cancer. *Nature Communications* 2016;7:11375

176 - Gronwald J, Glass K, Rosen B, Karlan B, Tung N, Neuhausen SL, Moller P, Ainsworth P, Sun P, Narod SA, Lubinski J, Kotsopoulos J, Hereditary Breast Cancer Clinical Study Group {MANOUKIAN S}. Treatment of infertility does not increase the risk of ovarian cancer among women with a BRCA1 or BRCA2 mutation. *Fertility And Sterility* 2016;105:781-785

177 - Ovarian Cancer Association Consortium, Breast Cancer Association Consortium, And Consortium Of Modifiers Of Brca1 And Brca2, Hollestelle A, Van Der Baan FH, Berchuck A, Johnatty SE, Aben KK, Agnarsson BA, Aittomaki K, Alducci E, Andrusil IL, Anton Culver H, Antonenkova NN, Antoniou AC, Apicella C, Arndt V, Arnold N, Arun BK, Arver B, Ashworth A, Australian Ovarian Cancer Study Group, Baglietto L, Balleine R, Bandera EV, Barrowdale D, Bean YT, Beckmann L, Beckmann MW, Benitez J, Berger A, Berger R, Beuselinck B, Bisogna M, Bjorge L, Blomqvist C, Bogdanova NV, Bojesen A, Bojesen SE, Bolla MK, Bonanni B, Brand JS, Brauch H, Breast Cancer Family Register, Brenner H, Brinton L, Brooks Wilson A, Bruinsma F, Brunet J, Bruning T, Budzilowska A, Bunker CH, Burwinkel B, Butzow R, Buys SS, Caligo MA, Campbell I, Carter J, Chang Claude J, Chanock SJ, Claes KB, Collee JM, Cook LS, Couch FJ, Cox A, Cramer D, Cross SS, Cunningham JM, Cybulski C, Czene K, Damiola F, Dansonka Mieszkowska A, Darabi H, De La Hoya M, Defazio A, Dennis J, Devilee P, Dicks EM, Diez O, Doherty JA, Domchek SM, Dorfling CM, Dork T, Silva IDS, Du Bois A, Dumont M, Dunning AM, Duran M, Easton DF, Eccles D, Edwards RP, Ehrencreutz H, Ejertsen B, Ekici AB, Ellis SD, Embrace, Engel C, Eriksson M, Fasching PA, Feliubadalo L, Figueiroa J, Flesch Janys D, Fletcher O, Fontaine A, Fortuzzi S, Fostira F, Fridley BL, Friebel T, Friedman E, Friel G, Frost D, Garber J, Garcia Closas M, Gayther SA, Gemo Study Collaborators, Genica Network, Gentry Maharaj A, Gerdes AM, Giles GG, Glasspool R, Glendon G, Godwin AK, Goodman MT, Gore M, Greene MH, Grip M, Gronwald J, Gschwantler Kaulich D, Guenel P, Guzman SR, Haeberle L, Haiman CA, Hall P, Halverson SL, Hamann U, Hansen TV, Harter P, Hartikainen JM, Healey S, Hebon, Hein A, Heitz F, Henderson BE, Herzog J, T Hildebrandt MA, Hogdall CK, Hogdall E, Hogervorst FB, Hopper JL, Humphreys K, Huzarski T, Imyanitov EN, Isaacs C, Jakubowska A, Janavicius R, Jaworska K, Jensen A, Jensen UB, Johnson N, Jukkola Vuorinen A, Kabisch M, Karlan BY, Kataja V, Kauff N, Kconfab Investigators, Kelemen LE, Kerin MJ, Kiemeneij LA, Kjaer SK, Knight JA, Knol Bout JP, Konstantopoulou I, Kosma VM, Krakstad C, Kristensen V, Kuchenbaecker KB, Kupryjanczyk J, Laitman Y, Lambrechts D, Lambrechts S, Larson MC, Lasa A, Laurent Puig P, Lazaro C, Le ND, Le Marchand L, Leminen A, Lester J, Levine DA, Li J, Liang D, Lindblom A, Lindor N, Lissowska J, Long J, Lu KH, Lubinski J, Lundvall L, Lurie G, Mai PL, Mannermaa A, Margolin S, Mariette F, Marime F, Martens JW, Massuger LF, Maugard C, Mazoyer S, McGuffog L, McGuire V, McLean C, Mcneish I, Meindl A, Menegaux F, Menendez P, Menkiszak J, Menon U, Mensenkamp AR, Miller N, Milne RL, Modugno F, Montagna M, Moysich KB, Muller H, Mulligan AM, Muranen TA, Narod SA, Nathanson KL, Ness RB, Neuhausen SL, Nevanlinna H, Neven P, Nielsen FC, Nielsen SF, Nordestgaard BG, Nussbaum RL, Odunsi K, Offit K, Olah E, Olopade OI, Olson JE, Olson SH, Oosterwijk JC, Orlow I, Orr N, Orsulic S, Osorio A, Ottini L, Paul J, Pearce CL, Pedersen IS, PEISSEL B, Pejovic T, Pelttari LM, Perkins J, Permutt Wey J, Peterlongo P, Peto J, Phelan CM, Phillips KA, Piedmonte M, Pike MC, Platte R, Plsiecka Halasa J, Poole EM, Poppe B, Pylkas K, RADICE

P, Ramus SJ, Rebbeck TR, Reed MW, Rennert G, Risch HA, Robson M, Rodriguez GC, Romero A, Rossing MA, Rothstein JH, Rudolph A, Runnebaum I, Salani R, Salvesen HB, Sawyer EJ, Schildkraut JM, Schmidt MK, Schmutzler RK, Schneeweiss A, Schoemaker MJ, Schrauder MG, Schumacher F, Schwaab I, SCUVERA G, Sellers TA, Severi G, Seynaeve CM, Shah M, Shrubsole M, Siddiqui N, Sieh W, Simard J, Singer CF, Sinilnikova OM, Smeets D, Sohn C, Soller M, Song H, Soucy P, Southey MC, Stegmaier C, Stoppa Lyonnet D, Sucheston L, Swe Brca, Swerdlow A, Tangen IL, Tea MK, Teixeira MR, Terry KL, Terry MB, Thomassen M, Thompson PJ, Tihomirova L, Tischkowitz M, Toland AE, Tollenaar RA, Tomlinson I, Torres D, Truong T, Tsimiklis H, Tung N, Tworoger SS, Tyer JP, Vachon CM, Van 't Veer LJ, Van Altena AM, Van Asperen CJ, Van Den Berg D, Van Den Ouweland AM, Van Doorn HC, Van Nieuwenhuysen E, Van Rensburg EJ, Vergote I, Verhoef S, Vierkant RA, Vijai J, Vitonis AF, Von Wachenfeldt A, Walsh C, Wang Q, Wang Gohrke S, Wappenschmidt B, Weischer M, Weitzel JN, Weltens C, Wentzensen N, Whittemore AS, Wilkens LR, Wingquist R, Wu AH, Wu X, Yang HP, ZAFFARONI D, Pilar Zamora M, Zheng W, Ziogas A, Chenevix Trench G, Pharoah PD, Rookus MA, Hooning MJ, Goode EL. No clinical utility of KRAS variant rs61764370 for ovarian or breast cancer. *Gynecologic Oncology* 2016;141:386-401

178 - AZZOLLINI J, SCUVERA G, BRUNO E, PASANISI P, ZAFFARONI D, CALVELLO M, PASINI B, RIPAMONTI CB, COLOMBO M, Pensotti V, RADICE P, PEISSEL B, MANOUKIAN S. Mutation detection rates associated with specific selection criteria for BRCA1/2 testing in 1854 high-risk families: A monocentric Italian study. *European Journal Of Internal Medicine* 2016;32:65-71

179 - Iqbal J, Nussenzweig A, Lubinski J, Byrski T, Eisen A, Bordeleau L, Tung NM, MANOUKIAN S, Phelan CM, Sun P, Narod SA, Hereditary Breast Cancer Research Group. The incidence of leukaemia in women with BRCA1 and BRCA2 mutations: An International Prospective Cohort Study. *British Journal Of Cancer* 2016;114:1160-1164

180 - Easton DF, Lesueur F, Decker B, Michailidou K, Li J, Allen J, Luccarini C, Pooley KA, Shah M, Bolla MK, Wang Q, Dennis J, Ahmad J, Thompson ER, Damiola F, Pertesi M, Voegele C, Mebirouk N, Robinot N, Durand G, Forey N, Luben RN, Ahmed S, Aittomaki K, Anton Culver H, Arndt V, Australian Ovarian Cancer Study Group, Baynes C, Beckman MW, Benitez J, Van Den Berg D, Blot WJ, Bogdanova NV, Bojesen SE, Brenner H, Chang Claude J, Chia KS, Choi JY, Conroy DM, Cox A, Cross SS, Czene K, Darabi H, Devilee P, Eriksson M, Fasching PA, Figueiroa J, Flyger H, Fostira F, Garcia Closas M, Giles GG, Glendon G, Gonzalez Neira A, Guenel P, Haiman CA, Hall P, Hart SN, Hartman M, Hooning MJ, Hsiung CN, Ito H, Jakubowska A, James PA, Johnson N, Jones M, Kabisch M, Kang D, Kconfab Investigators, Kosma VM, Kristensen V, Lambrechts D, Li N, Lifepool Investigators, Lindblom A, Long J, Lophatananon A, Lubinski J, Mannermaa A, MANOUKIAN S, Margolin S, Matsuo K, Meindl A, Mitchell G, Muir K, Nbcs Investigators, Nevelsteen I, Van Den Ouweland A, Peterlongo P, Phuah SY, Pylkas K, Rowley SM, Sangrajrang S, Schmutzler RK, Shen CY, Shu XO, Southey MC, Surowy H, Swerdlow A, Teo SH, Tollenaar RA, Tomlinson I, Torres D, Truong T, Vachon C, Verhoef S, Wong Brown M, Zheng W, Zheng Y, Nevanlinna H, Scott RJ, Andrusilis IL, Wu AH, Hopper JL, Couch FJ, Winquist R, Burwinkel B, Sawyer EJ, Schmidt MK, Rudolph A, Dork T, Brauch H, Hamann U, Neuhausen SL, Milne RL, Fletcher O, Pharoah PD, Campbell IG, Dunning AM, Le Calvez Kelm F, Goldgar DE, Tavtigian SV, Chenevix Trench G. No evidence that protein truncating variants in BRIP1 are associated with breast cancer risk: Implications for gene panel testing. *Journal Of Medical Genetics* 2016;53:298-309

181 - Shi J, Zhang Y, Zheng W, Michailidou K, Ghoussaini M, Bolla MK, Wang Q, Dennis J, Lush M, Milne RL, Shu XO, Beesley J, Kar S, Andrusilis IL, Anton Culver H, Arndt V, Beckmann MW, Zhao Z, Guo X, Benitez J, Beeghly Fadiel A, Blot W, Bogdanova NV, Bojesen SE, Brauch H, Brenner H, Brinton L, Broeks A, Bruning T, Burwinkel B, Cai H, Canisius S, Chang Claude J, Choi JY, Couch FJ, Cox A, Cross SS, Czene K, Darabi H, Devilee P, Droit A, Dork T, Fasching PA, Fletcher O, Flyger H, Fostira F, Gaborieau V, García Closas M, Giles GG, Grip M, Guenel P, Haiman CA, Hamann U, Hartman M, Miao H, Hollestelle A, Hopper JL, Hsiung CN, Kconfab Investigators, Ito H, Jakubowska A, Johnson N, Torres D, Kabisch M, Kang D, Khan S, Knight JA, Kosma VM, Lambrechts D, Li J, Lindblom A, Lophatananon A, Lubinski J, Mannermaa A, MANOUKIAN S, Le Marchand L, Margolin S, Marme F, Matsuo K, McLean C, Meindl A, Muir K, Neuhausen SL, Nevanlinna H, Nord S, Borresen Dale AL, Olson JE, Orr N, Van Den Ouweland AM, Peterlongo P, Choudary Putti T, Rudolph A, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Shen CY, Hou MF, Shrubsole MJ, Southey MC, Swerdlow A, Hwang Teo S, Thienpont B, Toland AE, Tollenaar RA, Tomlinson I, Truong T, Tseng CC, Wen W, Winquist R, Wu AH, Har Yip C, Zamora PM, Zheng Y, Floris G, Cheng CY, Hooning MJ, Martens JW, Seynaeve C, Kristensen VN, Hall P, Pharoah PD, Simard J, Chenevix Trench G, Dunning AM, Antoniou AC, Easton DF, Cai Q, Long J. Fine-scale mapping of 8q24 locus identifies multiple independent risk variants for breast cancer. *International Journal Of Cancer* 2016;139:1303-1317

182 - Zeng C, Guo X, Long J, Kuchenbaecker KB, Droit A, Michailidou K, Ghoussaini M, Kar S, Freeman A, Hopper JL, Milne RL, Bolla MK, Wang Q, Dennis J, Agata S, Ahmed S, Aittomaki K, Andrusilis IL, Anton Culver H, Antonenkova NN, Arason A, Arndt V, Arun BK, Arver B, Bacot F, Barrowdale D, Baynes C, Beeghly Fadiel A, Benitez J, Bermisheva M, Blomqvist C, Blot WJ, Bogdanova NV, Bojesen SE, Bonanni B, Borresen Dale AL, Brand JS, Brauch H, Brennan P, Brenner H, Broeks A, Bruning T, Burwinkel B, Buys SS, Cai Q, Caldes T, Campbell I, Carpenter J, Chang Claude J, Choi JY, Claes KB, Clarke C, Cox A, Cross SS, Czene K, Daly MB, De La Hoya M, De Leeneer K, Devilee P, Diez O, Domchek SM, Doody M, Dorfling CM, Dork T, Dos Santos Silva I, Dumont M, Dwek M, Dworniczak B, Egan K, Elber U, Einbeigi Z, Ejertsen B, Ellis S, Frost D, Laloo F, Embrace, Fasching PA, Figueiroa J, Flyger H, Friedlander M, Friedman E, Gambino G, Gao YT, Garber J, Garcia Closas M, Gehrig A, Damiola F, Lesueur F, Mazoyer S, Stoppa Lyonnet D, Behalf Of Gemo Study Collaborators, Giles GG, Godwin AK, Goldgar DE, Gonzalez Neira A, Greene MH, Guenel P, Haeberle L, Haiman CA, Hallberg E, Hamann U, Hansen TV, Hart S, Hartikainen JM, Hartman M, Hassan N, Healey S, Hogervorst FB, Verhoef S, Hebon, Hendricks CB, Hillermanns P, Hollestelle A, Hulick PJ, Hunter DJ, Imanitov EN, Isaacs C, Ito H, Jakubowska A, Janavicius R, Jaworska Bieniek K, Jensen UB, John EM, Joly Beauparlant C, Jones M, Kabisch M, Kang D, Karlan BY, Kauppila S, Kerin MJ, Khan S, Khusnudinova E, Knight JA, Konstantopoulou I, Kraft P, Kwong A, Laitman Y, Lambrechts D, Lazaro C, Le Marchand L, Lee CN, Lee MH, Lester J, Li J, Liljegren A, Lindblom A, Lophatananon A, Lubinski J, Mai PL, Mannermaa A, MANOUKIAN S, Margolin S, Marme F, Matsuo K, McGuffog L, Meindl A, Menegaux F, Montagna M, Muir K, Mulligan AM, Nathanson KL, Neuhausen SL, Nevanlinna H, Newcomb PA, Nord S, Nussbaum RL, Offit K, Olah E, Olopade OI, Olswold C, Osorio A, Papi L, Park Simon TW, Paulsson Karlsson Y, Peeters S, PEISSEL B, Peterlongo P, Peto J, Pfeiler G, Phelan CM, Presneau N, RADICE P, Rahman N, Ramus SJ, Rashid MU, Rennert G, Rhiem K, Rudolph A, Salani R, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Schoemaker MJ, Schurmann P, Seynaeve C, Shen CY, Shrubsole MJ, Shu XO, Sigurdson A, Singer CF, Slager S, Soucy P, Southey M, Steinemann D, Swerdlow A, Szabo CI, Tchatchou S, Teixeira MR, Teo SH, Terry MB, Tessier DC, Teule A, Thomassen M, Tihomirova L, Tischkowitz M, Toland AE, Tung N, Turnbull C, Van Den Ouweland AM, Van Rensburg EJ, Ven Den Berg D, Vijai J, Wang Gohrke S, Weitzel JN, Whittemore AS, Winquist R, Wong TY, Wu AH, Yannoukakos D, Yu JC, Pharoah PD, Hall P, Chenevix Trench G, Kconfab, Aocs Investigators, Dunning AM, Simard J, Couch FJ, Antoniou AC, Easton DF, Zheng W. Identification of independent association signals and putative functional variants for breast cancer risk through fine-scale mapping of the 12p11 locus. *Breast Cancer Research* 2016;18:64

183 - Lawrenson K, Kar S, Mccue K, Kuchenbaecker K, Michailidou K, Tyrer J, Beesley J, Ramus SJ, Li Q, Delgado MK, Lee JM, Aittomaki K, Andrulis IL, Anton Culver H, Arndt V, Arun BK, Arver B, Bandera EV, Barile M, Barkardottir RB, Barrowdale D, Beckmann MW, Benitez J, Berchuck A, Bisogna M, Bjorge L, Blomqvist C, Blot W, Bogdanova N, Bojesen A, Bojesen SE, Bolla MK, Bonanni B, Borresen Dale AL, Brauch H, Brennan P, Brenner H, Bruinsma F, Brunet J, Buhari SA, Burwinkel B, Butzow R, Buys SS, Cai Q, Caldes T, Campbell I, Cannioto R, Chang Claude J, Chiquette J, Choi JY, Claes KB, Gemo Study Collaborators, Cook LS, Cox A, Cramer DW, Cross SS, Cybulski C, Czene K, Daly MB, Damiola F, Dansonka Mieszkowska A, Darabi H, Dennis J, Devilee P, Diez O, Doherty JA, Domchek SM, Dorfling CM, Dork T, Dumont M, Ehrencrepon H, Ejertsen B, Ellis S, Embrace, Engel C, Lee E, Evans DG, Fasching PA, Feliubadal L, Figueiroa J, Flesch Janys D, Fletcher O, Flyger H, Foretova L, Fostira F, Foulkes WD, Fridley BL, Friedman E, Frost D, Gambino G, Ganz PA, Garber J, Garcia Closas M, Gentry Maharaj A, Ghoussaini M, Giles GG, Glasspool R, Godwin AK, Goldberg MS, Goldgar DE, Gonzalez Neira A, Goode EL, Goodman MT, Greene MH, Gronwald J, Guenel P, Haiman CA, Hall P, Hallberg E, Hamann U, Hansen TV, Harrington PA, Hartman M, Hassan N, Healey S, Hereditary Breast And Ovarian Cancer Research Group Netherlands (Hebon), Heitz F, Herzog J, Hogdall E, Hogdall CK, Hogervorst FB, Hollestelle A, Hopper JL, Hulick PJ, Huzarski T, Imyanitov EN, Kconfab Investigators, Australian Ovarian Cancer Study Group, Isaacs C, Ito H, Jakubowska A, Janavicius R, Jensen A, John EM, Johnson N, Kabisch M, Kang D, Kapuscinski M, Karlani BY, Khan S, Kiemeney LA, Kjaer SK, Knight JA, Konstantopoulou I, Kosma VM, Kristensen V, Kupryjanczyk J, Kwong A, De La Hoya M, Laitman Y, Lambrechts D, Le N, De Leeneer K, Lester J, Levine DA, Li J, Lindblom A, Long J, Lophatananon A, Loud JT, Lu K, Lubinski J, Mannermaa A, MANOUKIAN S, Le Marchand L, Margolin S, Marme F, Massuger LF, Matsuo K, Mazoyer S, Mcguffog L, Mclean C, Mcneish I, Meindl A, Menon U, Mensenkamp AR, Milne RL, Montagna M, Moysich KB, Muir K, Mulligan AM, Nathanson KL, Ness RB, Neuhausen SL, Nevanlinna H, Nord S, Nussbaum RL, Odunsi K, Offit K, Olah E, Olopade OI, Olson JE, Olszwold C, O'Malley D, Orlow I, Orr N, Osorio A, Park SK, Pearce CL, Pejovic T, Peterlongo P, Pfeiler G, Phelan CM, Poole EM, Pylkas K, RADICE P, Rantala J, Rashid MU, Rennert G, Rhenius V, Rhiem K, Risch HA, Rodriguez G, Rossing MA, Rudolph A, Salvesen HB, Sangrajrang S, Sawyer EJ, Schildkraut JM, Schmidt MK, Schmutzler RK, Sellers TA, Seynaeve C, Shah M, Shen CY, Shu XO, Sieh W, Singer CF, Sinilnikova OM, Slager S, Song H, Soucy P, Southe MC, Stenmark Askalm M, Stoppa Lyonnet D, Sutter C, Swerdlow A, Tchatchou S, Teixeira MR, Teo SH, Terry KL, Terry MB, Thomassen M, Tibiletti MG, Tihomirova L, Tognazzo S, Toland AE, Tomlinson I, Torres D, Truong T, Tseng CC, Tung N, Tworoger SS, Vachon C, Van Den Ouwendael AM, Van Doorn HC, Van Rensburg EJ, Van'T Veer LJ, Vanderstichele A, Vergote I, Vijai J, Wang Q, Wang Gohrke S, Weitzel JN, Wentzensen N, Whittemore AS, Wilders H, Winqvist R, Wu AH, Yannoukakos D, Yoon SY, Yu JC, Zheng W, Zheng Y, Khanna KK, Simard J, Monteiro AN, French JD, Couch FJ, Freedman ML, Easton DF, Dunning AM, Pharoah PD, Edwards SL, Chenevix Trench G, Antoniou AC, Gayther SA. Functional mechanisms underlying pleiotropic risk alleles at the 19p13.1 breast-ovarian cancer susceptibility locus. *Nature Communications* 2016;7:12675

184 - Darabi H, Beesley J, Droit A, Kar S, Nord S, Moradi Marjaneh M, Soucy P, Michailidou K, Ghoussaini M, Fues Wahl H, Bolla MK, Wang Q, Dennis J, Alonso MR, Andrulis IL, Anton Culver H, Arndt V, Beckmann MW, Benitez J, Bogdanova NV, Bojesen SE, Brauch H, Brenner H, Broeks A, Bruning T, Burwinkel B, Chang Claude J, Choi JY, Conroy DM, Couch FJ, Cox A, Cross SS, Czene K, Devilee P, Dork T, Easton DF, Fasching PA, Figueiroa J, Fletcher O, Flyger H, Galle E, Garcia Closas M, Giles GG, Goldberg MS, Gonzalez Neira A, Guenel P, Haiman CA, Hallberg E, Hamann U, Hartman M, Hollestelle A, Hopper JL, Ito H, Jakubowska A, Johnson N, Kang D, Khan S, Kosma VM, Kriege M, Kristensen V, Lambrechts D, Le Marchand L, Lee SC, Lindblom A, Lophatananon A, Lubinski J, Mannermaa A, MANOUKIAN S, Margolin S, Matsuo K, Mayes R, Mckay J, Meindl A, Milne RL, Muir K, Neuhausen SL, Nevanlinna H, Olszwold C, Orr N, Peterlongo P, Pita G, Pylkas K, Rudolph A, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Seynaeve C, Shah M, Shen CY, Shu XO, Southe MC, Stram DO, Surowy H, Swerdlow A, Teo SH, Tessier DC, Tomlinson I, Torres D, Truong T, Vachon CM, Vincent D, Winqvist R, Wu AH, Wu PE, Yip CH, Zheng W, Pharoah PD, Hall P, Edwards SL, Simard J, French JD, Chenevix Trench G, Dunning AM. Fine scale mapping of the 17q22 breast cancer locus using dense SNPs, genotyped within the Collaborative Oncological Gene-Environment Study (COGs). *Scientific Reports* 2016;6:32512

185 - Vigorito E, Kuchenbaecker KB, Beesley J, Adlard J, Agnarsson BA, Andrulis IL, Arun BK, Barjhoux L, Belotti M, Benitez J, Berger A, Bojesen A, Bonanni B, Brewer C, Caldes T, Caligo MA, Campbell I, Chan SB, Claes KB, Cohn DE, Cook J, Daly MB, Damiola F, Davidson R, Pauw AD, Delnatte C, Diez O, Domchek SM, Dumont M, Durda K, Dworniczak B, Easton DF, Eccles D, Edwinsdotter Ardnor C, Eeles R, Ejertsen B, Ellis S, Evans DG, Feliubadal L, Fostira F, Foulkes WD, Friedman E, Frost D, Gaddam P, Ganz PA, Garber J, Garcia Barberan V, Gauthier Villars M, Gehrig A, Gerdes AM, Giraud S, Godwin AK, Goldgar DE, Hake CR, Hansen TV, Healey S, Hodgson S, Hogervorst FB, Houdayer C, Hulick PJ, Imyanitov EN, Isaacs C, Izatt L, Izquierdo A, Jacobs L, Jakubowska A, Janavicius R, Jaworska Bieniek K, Jensen UB, John EM, Vijai J, Karlani BY, Kast K, Investigators K, Khan S, Kwong A, Laitman Y, Lester J, Lesueur F, Liljegren A, Lubinski J, Mai PL, MANOUKIAN S, Mazoyer S, Meindl A, Mensenkamp AR, Montagna M, Nathanson KL, Neuhausen SL, Nevanlinna H, Niederacher D, Olah E, Olopade OI, Ong KR, Osorio A, Park SK, Paulsson Karlsson Y, Pedersen IS, PEISSEL B, Peterlongo P, Pfeiler G, Phelan CM, Piedmonte M, Poppe B, Pujana MA, RADICE P, Rennert G, Rodriguez GC, Rookus MA, Ross EA, Schmutzler RK, Simard J, Singer CF, Slavin TP, Soucy P, Southe MC, Steinemann D, Stoppa Lyonnet D, Sukiennicki G, Sutter C, Szabo CI, Tea MK, Teixeira MR, Teo SH, Terry MB, Thomassen M, Tibiletti MG, Tihomirova L, Tognazzo S, Van Rensburg EJ, Varesco L, Varon Mateeva R, Vratimos A, Weitzel JN, Mcguffog L, Kirk J, Toland AE, Hamann U, Lindor N, Ramus SJ, Greene MH, Couch FJ, Offit K, Pharoah PD, Chenevix Trench G, Antoniou AC. Fine-Scale Mapping at 9p22.2 Identifies Candidate Causal Variants That Modify Ovarian Cancer Risk in BRCA1 and BRCA2 Mutation Carriers. *Plos One* 2016;11:e0158801

186 - Catucci I, Casadei S, Ding YC, Volorio S, Ficarazzi F, Falanga A, Marchetti M, Tondini C, Franchi M, Adamson A, Mandell J, Walsh T, Olopade OI, MANOUKIAN S, RADICE P, Ricker C, Weitzel J, King MC, Peterlongo P, Neuhausen SL. Haplotype analyses of the c.1027C>T and c.2167_2168delAT recurrent truncating mutations in the breast cancer-predisposing gene PALB2. *Breast Cancer Research And Treatment* 2016;160:121-129

187 - Southe MC, Goldgar DE, Winqvist R, Pylkas K, Couch F, Tischkowitz M, Foulkes WD, Dennis J, Michailidou K, Van Rensburg EJ, Heikkinnen T, Nevanlinna H, Hopper JL, Dork T, Claes KB, Reis Filho J, Teo ZL, RADICE P, Catucci I, Peterlongo P, Tsimiklis H, Odefrey FA, Dowty JG, Schmidt MK, Broeks A, Hogervorst FB, Verhoeft S, Carpenter J, Clarke C, Scott RJ, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Peto J, Dos Santos Silva I, Fletcher O, Johnson N, Bolla MK, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Marme F, Burwinkel B, Yang R, Guenel P, Truong T, Menegaux F, Sanchez M, Bojesen S, Nielsen SF, Flyger H, Benitez J, Zamora MP, Perez JL, Menendez P, Anton Culver H, Neuhausen S, Ziogas A, Clarke CA, Brenner H, Arndt V, Stegmaier C, Brauch H, Bruning T, Ko YD, Muranen TA, Aittomaki K, Blomqvist C, Bogdanova NV, Antonenkova NN, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Spurdle AB, Investigators K, Australian Ovarian Cancer Study Group, Wauters E, Smeets D, Beuselinck B, Floris G, Chang Claude J, Rudolph A, Seibold P, Flesch Janys D, Olson JE, Vachon C, Pankratz VS, Mclean C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Kristensen V, Alnaes GG, Zheng W, Hunter DJ, Lindstrom S, Hankinson SE, Kraft P, Andrulis I, Knight JA, Glendon G, Mulligan AM, Jukkola Vuorinen A, Grip M, Kauppila S, Devilee P, Tollenaar RA, Seynaeve C, Hollestelle A, Garcia Closas M, Figueiroa J, Chanock SJ, Lissowska J, Czene K, Darabi H, Eriksson M, Eccles DM, Rafiq S, Tapper WJ, Gerty SM, Hooning MJ, Martens JW, Collee JM, Tilanus Linthorst M, Hall P, Li J, Brand JS, Humphreys K, Cox A, Reed MW, Luccarini C,

Baynes C, Dunning AM, Hamann U, Torres D, Ulmer HU, Rudiger T, Jakubowska A, Lubinski J, Jaworska K, Durda K, Slager S, Toland AE, Ambrosone CB, Yannoukakos D, Swerdlow A, Ashworth A, Orr N, Jones M, Gonzalez Neira A, Pita G, Alonso MR, Alvarez N, Herrero D, Tessier DC, Vincent D, Bacot F, Simard J, Dumont M, Soucy P, Eeles R, Muir K, Wiklund F, Gronberg H, Schleutker J, Nordestgaard BG, Weischer M, Travis RC, Neal D, Donovan JL, Hamdy FC, Khaw KT, Stanford JL, Blot WJ, Thibodeau S, Schaid DJ, Kelley JL, Maier C, Kibel AS, Cybulski C, Cannon Albright L, Butterbach K, Park J, Kaneva R, Batra J, Teixeira MR, Kote Jarai Z, Olama AA, Benlloch S, Renner SP, Hartmann A, Hein A, Ruebner M, Lambrechts D, Van Nieuwenhuysen E, Vergote I, Lambrechts S, Doherty JA, Rossing MA, Nickels S, Eilber U, Wang Gohrke S, Odunsi K, Sucheston Campbell LE, Friel G, Lurie G, Killeen JL, Wilkens LR, Goodman MT, Runnebaum I, Hillemanns PA, Pelttari LM, Butzow R, Modugno F, Edwards RP, Ness RB, Moysich KB, Du Bois A, Heitz F, Harter P, Kommoos S, Karlan BY, Walsh C, Lester J, Jensen A, Kjaer SK, Hogdall E, PEISSEL B, Bonanni B, Bernard L, Goode EL, Fridley BL, Vierkant RA, Cunningham JM, Larson MC, Fogarty ZC, Kalli KR, Liang D, Lu KH, Hildebrandt MA, Wu X, Levine DA, Dao F, Bisogna M, Berchuk A, Iversen ES, Marks JR, Akushevich L, Cramer DW, Schildkraut J, Terry KL, Poole EM, Stampfer M, Tworoger SS, Bandera EV, Orlow I, Olson SH, Bjorge L, Salvesen HB, Van Altena AM, Aben KK, Kiemeney LA, Massuger LF, Pejovic T, Bean Y, Brooks Wilson A, Kelemen LE, Cook LS, Le ND, Gorski B, Gronwald J, Menkiszak J, Hogdall CK, Lundvall L, Nedergaard L, Engelholm SA, Dicks E, Tyree J, Campbell I, Mcneish I, Paul J, Siddiqui N, Glasspool R, Whittemore AS, Rothstein JH, McGuire V, Sieh W, Cai H, Shu XO, Teten RT, Sutphen R, McLaughlin Jr, Narod SA, Phelan CM, Monteiro AN, Fenstermacher D, Lin HY, Permuth JB, Sellers TA, Chen YA, Tsai YY, Chen Z, Gentry Maharaj A, Gayther SA, Ramus SJ, Menon U, Wu AH, Pearce CL, Van Den Berg D, Pike MC, Dansonka Mieszkowska A, Plisiecka Halasa J, Moes Sosnowska J, Kupryjanczyk J, Pharoah PD, Song H, Winship I, Chenevix Trench G, Giles GG, Tavtigian SV, Easton DF, Milne RL. PALB2, CHEK2 and ATM rare variants and cancer risk: Data from COGS. *Journal Of Medical Genetics* 2016;53:800-811

188 - Rebbeck TR, Friebel TM, Mitra N, Wan F, Chen S, Andrulis IL, Apostolou P, Arnold N, Arun BK, Barrowdale D, Benitez J, Berger R, Berthet P, Borg A, Buys SS, Caldes T, Carter J, Chiquette J, Claes KB, Couch FJ, Cybulski C, Daly MB, De La Hoya M, Diez O, Domchek SM, Nathanson KL, Durda K, Ellis S, Embrace, Evans DG, Foretova L, Friedman E, Frost D, Ganz PA, Garber J, Glendon G, Godwin AK, Greene MH, Gronwald J, Hahnen E, Hallberg E, Hamann U, Hansen TV, Hebon, Imyanitov EN, Isaacs C, Jakubowska A, Janavicius R, Jaworska Bieniek K, John EM, Karlan BY, Kaufman B, Investigators K, Kwong A, Laitman Y, Lasset C, Lazaro C, Lester J, Loman N, Lubinski J, MANOUKIAN S, Mitchell G, Montagna M, Neuhausen SL, Nevanlinna H, Niederacher D, Nussbaum RL, Offit K, Olah E, Olopade Ol, Park SK, Piedmonte M, RADICE P, Rappaport Fuerhauser C, Rookus MA, Seynaeve C, Simard J, Singer CF, Soucy P, Southee M, Stoppa Lyonnet D, Sukiennicki G, Szabo CI, Tancredi M, Teixeira MR, Teo SH, Terry MB, Thomassen M, Tihomirova L, Tischkowitz M, Toland AE, Toloczko Grabarek A, Tung N, Van Rensburg EJ, Villano D, Wang Gohrke S, Wappenschmidt B, Weitzel JN, Zidan J, Zorn KK, McGuffog L, Easton D, Chenevix Trench G, Antoniou AC, Ramus SJ. Inheritance of deleterious mutations at both BRCA1 and BRCA2 in an international sample of 32,295 women. *Breast Cancer Research* 2016;18:112

189 - Serio A, Favalli V, Giuliani L, Narula N, Grasso M, Borroni RG, Bertherat J, PEISSEL B, MANOUKIAN S, Arbustini E. Cardio-Oncology: The Carney Complex Type I. *Journal Of The American College Of Cardiology* 2016;68:1921-1923

190 - AZZOLLINI J, Pesenti C, Ferrari L, Fontana L, CALVELLO M, PEISSEL B, Portera G, Tabano S, CARCANGIU ML, Riva P, Miozzo M, MANOUKIAN S. Revertant mosaicism for family mutations is not observed in BRCA1/2 phenocopies. *Plos One* 2017;12:e0171663

191 - Silvestri V, Zelli V, Valentini V, Rizzolo P, Navazio AS, Coppa A, Agata S, Oliani C, Barana D, Castrignanò T, Viel A, Russo A, Tibiletti MG, Zanna I, Masala G, Cortesi L, MANOUKIAN S, AZZOLLINI J, PEISSEL B, Bonanni B, Peterlongo P, RADICE P, Palli D, Giannini G, Chillemi G, Montagna M, Ottini L. Whole-exome sequencing and targeted gene sequencing provide insights into the role of PALB2 as a male breast cancer susceptibility gene. *Cancer* 2017;123:210-218

192 - Phelan CM, Kuchenbaecker KB, Tyrer JP, Kar SP, Lawrenson K, Winham SJ, Dennis J, Pirie A, Riggan MJ, Chornokur G, Earp MA, Lyra PC Jr, Lee JM, Coetze S, Beesley J, McGuffog L, Soucy P, Dicks E, Lee A, Barrowdale D, Lecarpentier J, Leslie G, Aalff CM, Aben KK, Adams M, Adlard J, Andrulis IL, Anton Culver H, Antonenkova N, Aocs Study Group, Aravantinos G, Arnold N, Arun BK, Arver B, AZZOLLINI J, Balmana J, Banerjee SN, Barjhoux L, Barkdottir RB, Bean Y, Beckmann MW, Beehly Fadiel A, Benitez J, Bermisheva M, Bernardini MQ, Birrer MJ, Bjorge L, Black A, Blankstein K, Blok MJ, Bodelon C, Bogdanova N, Bojesen A, Bonanni B, Borg A, Bradbury AR, Brenton JD, Brewer C, Brinton L, Broberg P, Brooks Wilson A, Bruinsma F, Brunet J, Buecher B, Butzow R, Buys SS, Caldes T, Caligo MA, Campbell I, Cannioto R, Carney ME, Cescon T, Chan SB, Chang Claude J, Chanock S, Chen XQ, Chiew YE, Chiquette J, Chung WK, Claes KB, Conner T, Cook LS, Cook J, Cramer DW, Cunningham JM, D'Aloisio AA, Daly MB, Damiola F, Damirovna SD, Dansonka Mieszkowska A, Dao F, Davidson R, Defazio A, Delnati C, Doheny KF, Diez O, Ding YC, Doherty JA, Domchek SM, Dorfling CM, Dork T, Dossus L, Duran M, Durst M, Dworniczak B, Eccles D, Edwards T, Eeles R, Eilber U, Ejlerksen B, Ekici AB, Ellis S, Elvira M, Embrace Study, Eng KH, Engel C, Evans DG, Fasching PA, Ferguson S, Ferrer SF, Flanagan JM, Fogarty ZC, Fortner RT, Fostira F, Foulkes WD, Fountzilas G, Fridley BL, Friebel TM, Friedman E, Frost D, Ganz PA, Garber J, Garcia MJ, Garcia Barberan V, Gehrig A, Gemo Study Collaborators, Gentry Maharaj A, Gerdes AM, Giles GG, Glasspool R, Glendon G, Godwin AK, Goldgar DE, Goranova T, Gore M, Greene MH, Gronwald J, Gruber S, Hahnen E, Haiman CA, Hakansson N, Hamann U, Hansen TV, Harrington PA, Harris HR, Hauke J, Hebon Study, Hein A, Henderson A, Hildebrandt MA, Hillemanns P, Hodgson S, Hogdall CK, Hogdall E, Hogervorst FB, Holland H, Hooning MJ, Hosking K, Huang RY, Hulick PJ, Hung J, Hunter DJ, Huntsman DG, Huzarski T, Imyanitov EN, Isaacs C, Iversen ES, Izatt L, Izquierdo A, Jakubowska A, James P, Janavicius R, Jernett M, Jensen A, Jensen UB, John EM, Johnatty S, Jones ME, Kannisto P, Karlan BY, Karnezis A, Kast K, Kconfab Investigators, Kennedy CJ, Khusnutdinova E, Kiemeney LA, Kliuki JI, Kim SW, Kjaer SK, Kobel M, Kopperud RK, Kruse TA, Kupryjanczyk J, Kwong A, Laitman Y, Lambrechts D, Larranaga N, Larson MC, Lazaro C, Le ND, Le Marchand L, Lee JW, Lele SB, Leminen A, Leroux D, Lester J, Lesueur F, Levine DA, Liang D, Liebrick C, Lilyquist J, Lipworth L, Lissowska J, Lu KH, Lubinnski J, Luccarini C, Lundvall L, Mai PL, Mendoza Fandino G, MANOUKIAN S, Massuger LF, May T, Mazoyer S, Mcalpine JN, McGuire V, McLaughlin JR, Mcneish I, Meijers Heijboer H, Meindl A, Menon U, Mensenkamp AR, Merritt MA, Milne RL, Mitchell G, Modugno F, Moes Sosnowska J, Moffitt M, Montagna M, Moysich KB, Mulligan AM, Musinsky J, Nathanson KL, Nedergaard L, Ness RB, Neuhausen SL, Nevanlinna H, Niederacher D, Nussbaum RL, Odunsi K, Olah E, Olopade Ol, Olsson H, Olsvold C, O'Malley DM, Ong KR, Onland Moret NC, Opal Study Group, Orr N, Orsulic S, Osorio A, Palli D, Papi L, Park Simon TW, Paul J, Pearce CL, Pedersen IS, Peeters PH, PEISSEL B, Peixoto A, Pejovic T, Pelttari LM, Permuth JB, Peterlongo P, PEZZANI L, Pfeiler G, Phillips KA, Piedmonte M, Pike MC, Piskorz AM, Poblete SR, Pocza T, Poole EM, Poppe B, Porteous ME, Prieur F, Prokofyeva D, Pugh E, Pujana MA, Pujol P, RADICE P, Rantala J, Rappaport Fuerhauser C, Rennert G, Rhiem K, Rice P, Richardson A, Robson M, Rodriguez GC, Rodriguez Antona C, Romm J, Rookus MA, Rossing MA, Rothstein JH, Rudolph A, Runnebaum IB, Salvesen HB, Sandler DP, Schoemaker MJ, Senter L, Setiawan VW, Severi G, Sharma P, Shelford T, Siddiqui N, Side LE, Sieh W, Singer CF, Sobol H, Song H, Southee MC, Spurdle AB, Stadler Z, Steinemann D, Stoppa Lyonnet D, Sucheston Campbell LE, Sukiennicki G, Sutphen R, Sutter C, Swerdlow AJ, Szabo CI, Szafron L, Tan YY, Taylor JA, Tea MK, Teixeira MR, Teo SH, Terry KL, Thompson PJ, Thomsen LC, Thull DL, Tihomirova L, Tinker AV, Tischkowitz M, Tognazzo S, Toland AE, Tone A, Trabert B, Travis RC, Trichopoulou A, Tung N, Tworoger SS,

Van Altena AM, Van Den Berg D, Van Der Hout AH, Van Der Luijt RB, Van Heetvelde M, Van Nieuwenhuysen E, Van Rensburg EJ, Vanderstichele A, Varon Mateeva R, Vega A, Edwards DV, Vergote I, Vierkant RA, Vijai J, Vratimos A, Walker L, Walsh C, Wand D, Wang Gohrke S, Wappenschmidt B, Webb PM, Weinberg CR, Weitzel JN, Wentzzen N, Whittemore AS, Wijnen JT, Wilkens LR, Wolk A, Woo M, Wu X, Wu AH, Yang H, Yannoukakos D, Ziegas A, Zorn KK, Narod SA, Easton DF, Amos CI, Schildkraut JM, Ramus SJ, Ottini L, Goodman MT, Park SK, Kelemen LE, Risch HA, Thomassen M, Offit K, Simard J, Schmutzler RK, Hazelett D, Monteiro AN, Couch FJ, Berchuck A, Chenevix Trench G, Goode EL, Sellers TA, Gayther SA, Antoniou AC, Pharoah PD. Identification of 12 new susceptibility loci for different histotypes of epithelial ovarian cancer. *Nature Genetics* 2017;49:680-691

193 - Hamdi Y, Soucy P, Kuchenbaecker KB, Pastinen T, Droit A, Lemacon A, Adlard J, Aittomaki K, Andrulis IL, Arason A, Arnold N, Arun BK, AZZOLLINI J, Bane A, Barjhoux L, Barrowdale D, Benitez J, Berthet P, Blok MJ, Bobolis K, Bonadona V, Bonanni B, Bradbury AR, Brewer C, Buecher B, Buys SS, Caligo MA, Chiquette J, Chung WK, Claes KB, Daly MB, Damiola F, Davidson R, De La Hoya M, De Leeneer K, Diez O, Ding YC, Dolcetti R, Domchek SM, Dorfling CM, Eccles D, Eeles R, Einbeigi Z, Ejlersen B, Embrace, Engel C, Gareth Evans D, Feliubadal L, Foretova L, Fostira F, Foulkes WD, Fountzilas G, Friedman E, Frost D, Ganschow P, Ganz PA, Garber J, Gayther SA, Gemo Study Collaborators, Gerdes AM, Glendon G, Godwin AK, Goldgar DE, Greene MH, Gronwald J, Hahnemann U, Hansen TV, Hart S, Hays JL, Hebon, Hogervorst FB, Hulick PJ, Imyanitov EN, Isaacs C, Izatt L, Jakubowska A, James P, Janavicius R, Jensen UB, John EM, Joseph V, Just W, Kaczmarek K, Karlan BY, Kconfab Investigators, Kets CM, Kirk J, Kriege M, Laitman Y, Laurent M, Lazaro C, Leslie G, Lester J, Lesueur F, Liljegren A, Loman N, Loud JT, MANOUKIAN S, MARIANI M, Mazoyer S, Mcguffog L, Meijers Heijboer HE, Meindl A, Miller A, Montagna M, Mulligan AM, Nathanson KL, Neuhausen SL, Nevanlinna H, Nussbaum RL, Olah E, Olopade OI, Ong KR, Oosterwijk JC, Osorio A, Papi L, Park SK, Pedersen IS, PEISSEL B, Segura PP, Peterlongo P, Phelan CM, RADICE P, Rantala J, Rappaport Fuerhauser C, Rennert G, Richardson A, Robson M, Rodriguez GC, Rookus MA, Schmutzler RK, Sevenet N, Shah PD, Singer CF, Slavin TP, Snape K, Sokolowska J, Sonderstrup IM, Southeim M, Spurdle AB, Stadler Z, Stoppa Lyonnet D, Sukiennicki G, Sutter C, Tan Y, Tea MK, Teixeira MR, Teulé A, Teo SH, Terry MB, Thomassen M, Tihomirova L, Tischkowitz M, Tognazzo S, Toland AE, Tung N, Van Den Ouwendal AM, Van Der Luijt RB, Van Engelen K, Van Rensburg EJ, Varon Mateeva R, Wappenschmidt B, Wijnen JT, Rebbeck T, Chenevix Trench G, Offit K, Couch FJ, Nord S, Easton DF, Antoniou AC, Simard J. Association of breast cancer risk in BRCA1 and BRCA2 mutation carriers with genetic variants showing differential allelic expression: identification of a modifier of breast cancer risk at locus 11q22.3. *Breast Cancer Research And Treatment* 2017;161:117-134

194 - Lecarpentier J, Silvestri V, Kuchenbaecker KB, Barrowdale D, Dennis J, Mcguffog L, Soucy P, Leslie G, Rizzolo P, Navazio AS, Valentini V, Zelli V, Lee A, Amin AI Olama A, Tyrer JP, Southeim M, John EM, Conner TA, Goldgar DE, Buys SS, Janavicius R, Steele L, Ding YC, Neuhausen SL, Hansen TVO, Osorio A, Weitzel JN, Toss A, Medici V, Cortesi L, Zanna I, Palli D, RADICE P, MANOUKIAN S, PEISSEL B, AZZOLLINI J, Viel A, Cini G, Damante G, Tommasi S, Peterlongo P, Fostira F, Hamann U, Evans DG, Henderson A, Brewer C, Eccles D, Cook J, Ong KR, Walker L, Side LE, Porteous ME, Davidson R, Hodgson S, Frost D, Adlard J, Izatt L, Eeles R, Ellis S, Tischkowitz M, Embrace, Godwin AK, Meindl A, Gehrig A, Dworniczak B, Sutter C, Engel C, Niederacher D, Steinemann D, Hahnemann E, Hauke J, Rhiem K, Kast K, Arnold N, Ditsch N, Wang Gohrke S, Wappenschmidt B, Wand D, Lasset C, Stoppa Lyonnet D, Belotti M, Damiola F, Barjhoux L, Mazoyer S, Gemo Study Collaborators, Van Heetvelde M, Poppe B, De Leeneer K, Claes KBM, De La Hoya M, Garcia Barberan V, Caldes T, Perez Segura P, Kiiski JL, Aittomaki K, Khan S, Nevanlinna H, Van Asperen CJ, Hebon, Vaszkó T, Kasler M, Olah E, Balmana J, Gutierrez Enriquez S, Diez O, Teule A, Izquierdo A, Darder E, Brunet J, Del Valle J, Feliubadal L, Pujana MA, Lazaro C, Arason A, Agnarsson BA, Johannsson OT, Barkardottir RB, Alducci E, Tognazzo S, Montagna M, Teixeira MR, Pinto P, Spurdle AB, Holland H, Kconfab Investigators, Lee JW, Lee MH, Lee J, Kim SW, Kang E, Kim Z, Sharma P, Rebbeck TR, Vijai J, Robson M, Lincoln A, Musinsky J, Gaddam P, Tan YY, Berger A, Singer CF, Loud JT, Greene MH, Mulligan AM, Glendon G, Andrulis IL, Toland AE, Senter L, Bojesen A, Nielsen HR, Skytte AB, Sunde L, Jensen UB, Pedersen IS, Krogh L, Kruse TA, Caligo MA, Yoon SY, Teo SH, Von Wachenfeldt A, Huo D, Nielsen SM, Olopade OI, Nathanson KL, Domchek SM, Lorenchick C, Jankowitz RC, Campbell I, James P, Mitchell G, Orr N, Park SK, Thomassen M, Offit K, Couch FJ, Simard J, Easton DF, Chenevix Trench G, Schmutzler RK, Antoniou AC, Ottini L. Prediction of Breast and Prostate Cancer Risks in Male BRCA1 and BRCA2 Mutation Carriers Using Polygenic Risk Scores. *Journal Of Clinical Oncology* 2017;35:2240-2250

195 - Kuchenbaecker KB, Mcguffog L, Barrowdale D, Lee A, Soucy P, Dennis J, Domchek SM, Robson M, Spurdle AB, Ramus SJ, Mavaddat N, Terry MB, Neuhausen SL, Schmutzler RK, Simard J, Pharoah PDP, Offit K, Couch FJ, Chenevix Trench G, Easton DF, Antoniou AC, Lush M, Hamann U, Southeim M, John EM, Chung WK, Daly MB, Buys SS, Goldgar DE, Dorfling CM, Van Rensburg EJ, Chun Ding Y, Ejlersen B, Gerdes AM, Hansen TV, Slager S, Hallberg E, Benitez J, Osorio A, Cohen N, Lawler W, Weitzel JN, Peterlongo P, Pensotti V, Dolcetti R, Barile M, Bonanni B, AZZOLLINI J, MANOUKIAN S, PEISSEL B, RADICE P, Savarese A, Papi L, Giannini G, Fostira F, Konstantopoulou I, Adlard J, Brewer C, Cook J, Davidson R, Eccles D, Eeles R, Frost D, Hodgson S, Izatt L, Laloo F, Ong KR, Godwin AK, Arnold N, Dworniczak B, Engel C, Gehrig A, Hahnemann E, Hauke J, Kast K, Meindl A, Niederacher D, Schmutzler RK, Varon Mateeva R, Wang Gohrke S, Wappenschmidt B, Barjhoux L, Collonge Rame MA, Elan C, Golmard L, Gemo Study Collaborators, Embrace, Barouk Simonet E, Lesueur F, Mazoyer S, Sokolowska J, Stoppa Lyonnet D, Isaacs C, Claes KBM, Poppe B, De La Hoya M, Garcia Barberan V, Aittomaki K, Nevanlinna H, Ausems MGEM, De Lange JL, Gomez Garcia EB, Hogervorst FB, Hebon, Kets CM, Meijers Heijboer HE, Oosterwijk JC, Rookus MA, Van Asperen CJ, Van Den Ouwendal AMW, Van Doorn HC, Van Os TAM, Kwong A, Olah E, Diez O, Brunet J, Lazaro C, Teule A, Gronwald J, Jakubowska A, Kaczmarek K, Lubinski J, Sukiennicki G, Barkardottir RB, Chiquette J, Agata S, Montagna M, Teixeira MR, Kyung Park S, Kconfab Investigators, Olszwold C, Tischkowitz M, Foretova L, Gaddam P, Vijai J, Pfeiler G, Rappaport Fuerhauser C, Singer CF, Tea MKM, Greene MH, Loud JT, Rennert G, Imyanitov EN, Hulick PJ, Hays JL, Piedmonte M, Rodriguez GC, Martyn J, Glendon G, Mulligan AM, Andrulis IL, Toland AE, Jenson UB, Kruse TA, Sokilde Pedersen I, Thomassen M, Caligo MA, Teo SH, Berger R, Friedman E, Laitman Y, Arver B, Borg A, Ehranrona H, Rantala J, Olopade OI, Ganz PA, Nussbaum RL, Bradbury AR, Domchek SM, Nathanson KL, Arun BK, James P, Karlan BY, Lester J, Simard J, Pharoah PDP, Offit K, Couch FJ, Chenevix Trench G, Easton DF, Antoniou AC. Evaluation of Polygenic Risk Scores for Breast and Ovarian Cancer Risk Prediction in BRCA1 and BRCA2 Mutation Carriers. *Jnci-journal Of The National Cancer Institute* 2017;109:djw302

196 - Milne RL, Kuchenbaecker KB, Michailidou K, Beesley J, Kar S, Lindstrom S, Hui S, Lemacon A, Soucy P, Dennis J, Jiang X, Rostamianfar A, Finucane H, Bolla MK, Mcguffog L, Wang Q, Aalfs CM, Abctb Investigators, Adams M, Adlard J, Agata S, Ahmed S, Ahsan H, Aittomaki K, Al Ejeh F, Allen J, Ambrosone CB, Amos CI, Andrulis IL, Anton Culver H, Antonenkova NN, Arndt V, Arnold N, Aronson KJ, Auber B, Auer PL, Ausems MGEM, AZZOLLINI J, Bacot F, Balmana J, Barile M, Barjhoux L, Barkardottir RB, Barraudahl M, Barnes D, Barrowdale D, Baynes C, Beckmann MW, Benitez J, Bermisheva M, Bernstein L, Bignon YJ, Blazer KR, Blok MJ, Blomqvist C, Blot W, Bobolis K, Boeckx B, Bogdanova NV, Bojesen A, Bojesen SE, Bonanni B, Borresen Dale AL, Bozsik A, Bradbury AR, Brand JS, Brauch H, Brenner H, Bressac De Paillerets B, Brewer C, Brinton L, Broberg P, Brooks Wilson A, Brunet J, Bruning T, Burwinkel B, Buys SS, Byun J, Cai Q, Caldes T, Caligo MA, Campbell I, Canzian F, Caron O, Carracedo A, Carter BD, Castelao JE, Castera L, Caux Moncoutier V, Chan SB, Chang Claude J, Chanock SJ, Chen X, Cheng TD, Chiquette J, Christiansen H, Claes KBM, Clarke CL, Conner T, Conroy DM, Cook J, Cordina Duverger E, Cornelissen S, Couper I, Cox A, Cox DG, Cross SS,

Cuk K, Cunningham JM, Czene K, Daly MB, Damiola F, Darabi H, Davidson R, De Leeneer K, Devilee P, Dicks E, Diez O, Ding YC, Ditsch N, Doheny KF, Domchek SM, Dorfling CM, Dork T, Dos Santos Silva I, Dubois S, Dugue PA, Dumont M, Dunning AM, Durcan L, Dwek M, Dworniczak B, Eccles D, Eeles R, Ehrencresta H, Eilber U, Ellertsen B, Ekici AB, Eliassen AH, Embrace, Engel C, Eriksson M, Fachal L, Faivre L, Fasching PA, Faust U, Figueira J, Flesch Janys D, Fletcher O, Flyger H, Foulkes WD, Friedman E, Fritschl L, Frost D, Gabrielson M, Gaddam P, Gammon MD, Ganz PA, Gapstur SM, Garber J, Garcia Barberan V, Garcia Saenz JA, Gaudet MM, Gauthier Villars M, Gehrig A, Gemo Study Collaborators, Georgoulias V, Gerdes AM, Giles GG, Glendon G, Godwin AK, Goldberg MS, Goldgar DE, Gonzalez Neira A, Goodfellow P, Greene MH, Alnaes GIG, Grip M, Gronwald J, Grundy A, Gschwantler Kaulich D, Guenel P, Guo Q, Haeberle L, Hahnens E, Haiman CA, Hakansson N, Hallberg E, Hamann U, Hamel N, Hankinson S, Hansen TVO, Harrington P, Hart SN, Hartikainen JM, Healey CS, Hebon, Hein A, Helbig S, Henderson A, Heyworth J, Hicks B, Hillemanns P, Hodgson S, Hogervorst FB, Hollestelle A, Hooning MJ, Hoover B, Hopper JL, Hu C, Huang G, Hulick PJ, Humphreys K, Hunter DJ, Imanitov EN, Isaacs C, Iwasaki M, Izatt L, Jakubowska A, James P, Janavicius R, Janni W, Jensen UB, John EM, Johnson N, Jones K, Jones M, Jukkola Vuorinen A, Kaaks R, Kabisch M, Kaczmarek K, Kang D, Kast K, Kconfab/Aocs Investigators, Keeman R, Kerin MJ, Kets CM, Keupers M, Khan S, Khusnutdinova E, Kiiski JI, Kim SW, Knight JA, Konstantopoulou I, Kosma VM, Kristensen VN, Kruse TA, Kwong A, Laenkholm AV, Laitman Y, Laloo F, Lambrechts D, Landsman K, Lasset C, Lazaro C, Le Marchand L, Lecarpentier J, Lee A, Lee E, Lee JW, Lee MH, Lejbkowicz F, Lesueur F, Li J, Lilyquist J, Lincoln A, Lindblom A, Lissowska J, Lo WY, Loibl S, Long J, Loud JT, Lubinski J, Luccarini C, Lush M, Macinnis RJ, Maishman T, Makalic E, Kostovska IM, Malone KE, MANOUKIAN S, Manson JE, Margolin S, Martens JWM, Martinez ME, Matsuo K, Mavroudis D, Mazoyer S, Mclean C, Meijers Heijboer H, Menendez P, Meyer J, Miao H, Miller A, Miller N, Mitchell G, Montagna M, Muir K, Mulligan AM, Mulot C, Nadesan S, Nathanson KL, Nbcs Collaborators, Neuhausen SL, Nevanlinna H, Nevelsteen I, Niederacher D, Nielsen SF, Nordestgaard BG, Norman A, Nussbaum RL, Olah E, Olopade OI, Olson JE, Olswold C, Ong KR, Oosterwijk JC, Orr N, Osorio A, Pankratz VS, Papi L, Park Simon TW, Paulsson Karlsson Y, Lloyd R, Pedersen IS, PEISSEL B, Peixoto A, Perez JIA, Peterlongo P, Peto J, Pfeiler G, Phelan CM, Pinchev M, Plaseska Karanfilska D, Poppe B, Porteous ME, Prentice R, Presneau N, Prokofieva D, Pugh E, Pujana MA, Pylkas K, Rack B, RADICE P, Rahman N, Rantala J, Rappaport Fuerhauser C, Rennert G, Rennert HS, Rhenius V, Rhiem K, Richardson A, Rodriguez GC, Romero A, Romm J, Rookus MA, Rudolph A, Ruediger T, Saloustros E, Sanders J, Sandler DP, Sangrajrang S, Sawyer EJ, Schmidt DF, Schoemaker MJ, Schumacher F, Schurmann P, Schwentner L, Scott C, Scott RJ, Seal S, Senter L, Seynaeve C, Shah M, Sharma P, Shen CY, Sheng X, Shimelis H, Shrubsole MJ, Shu XO, Side LE, Singer CF, Sohn C, Southe MC, Spinelli JJ, Spurdle AB, Stegmaier C, Stoppa Lyonnet D, Sukiennicki G, Surowy H, Sutter C, Swerdlow A, Szabo CI, Tamimi RM, Tan YY, Taylor JA, Tejada MI, Tengstrom M, Teo SH, Terry MB, Tessier DC, Teule A, Thone K, Thull DL, Tibiletti MG, Tihomirova L, Tischkowitz M, Toland AE, Tollenaar RAEM, Tomlinson I, Tong L, Torres D, Tranchant M, Truong T, Tucker K, Tung N, Tyrer J, Ulmer HU, Vachon C, Van Asperen CJ, Van Den Berg D, Van Den Ouwendal AMW, Van Rensburg EJ, Varesco L, Varon Mateeva R, Vega A, Viel A, Vijai J, Vincent D, Vollenweider J, Walker L, Wang Z, Wang Gohrke S, Wappenschmidt B, Weinberg CR, Weitzel JN, Wendt C, Wesseling J, Whittemore AS, Wijnen JT, Willett W, Winquist R, Wolk A, Wu AH, Xia L, Yang XR, Yannoukakos D, ZAFFARONI D, Zheng W, Zhu B, Ziogas A, Ziv E, Zorn KK, Gago Dominguez M, Mannermaa A, Olsson H, Teixeira MR, Stone J, Offit K, Ottini L, Park SK, Thomassen M, Hall P, Meindl A, Schmutzler RK, Droit A, Bader GD, Pharoah PDP, Couch FJ, Easton DF, Kraft P, Chenevix Trench G, Garcia Closas M, Schmidt MK, Antoniou AC, Simard J. Identification of ten variants associated with risk of estrogen-receptor-negative breast cancer. *Nature Genetics* 2017;49:1767-1778

197 - Brouckaert O, Rudolph A, Laenen A, Keeman R, Bolla MK, Wang Q, Soubry A, Wildiers H, Andrulis IL, Arndt V, Beckmann MW, Benitez J, Blomqvist C, Bojesen SE, Brauch H, Brennan P, Brenner H, Chenevix Trench G, Choi JY, Cornelissen S, Couch FJ, Cox A, Cross SS, Czene K, Eriksson M, Fasching PA, Figueira J, Flyger H, Giles GG, González Neira A, Guénel P, Hall P, Hollestelle A, Hopper JL, Ito H, Jones M, Kang D, Kconfab, Knight JA, Kosma VM, Li J, Lindblom A, Lilyquist J, Lophatananon A, Mannermaa A, MANOUKIAN S, Margolin S, Matsuo K, Muir K, Nevanlinna H, Peterlongo P, Pylkas K, Saajrang S, Seynaeve C, Shen CY, Shu XO, Southe MC, Swerdlow A, Teo SH, Tollenaar RAEM, Truong T, Tseng CC, Van Den Broek AJ, Van Deurzen CHM, Winquist R, Wu AH, Yip CH, Yu JC, Zheng W, Milne RL, Pharoah PDP, Easton DF, Schmidt MK, Garcia Closas M, Chang Claude J, Lambrechts D, Neven P. Reproductive profiles and risk of breast cancer subtypes: A multi-center case-only study. *Breast Cancer Research* 2017;19:119

198 - Michailidou K, Lindstrom S, Dennis J, Beesley J, Hui S, Kar S, Lemacon A, Soucy P, Glubb D, Rostamianfar A, Bolla MK, Wang Q, Tyrer J, Dicks E, Lee A, Wang Z, Allen J, Keeman R, Eilber U, French JD, Chen XQ, Fachal L, McCue K, Mccart Reed AE, Ghousaini M, Carroll JS, Jiang X, Finucane H, Adams M, Adank MA, Ahsan H, Aittomaki K, Anton Culver H, Antonenkova NN, Arndt V, Aronson KJ, Arun B, Auer PL, Bacot F, Barrdahl M, Baynes C, Beckmann MW, Behrens S, Benitez J, Bermisheva M, Bernstein L, Blomqvist C, Bogdanova NV, Bojesen SE, Bonanni B, Borresen Dale AL, Brand JS, Brauch H, Brennan P, Brenner H, Brinton L, Broberg P, Brock IW, Broeks A, Brooks Wilson A, Brucker SY, Bruning T, Burwinkel B, Butterbach K, Cai Q, Cai H, Caldés T, Canzian F, Carracedo A, Carter BD, Castelao JE, Chan TL, Cheng TYD, Chia KS, Choi JY, Christiansen H, Clarke CL, Nbcs Collaborators, Collee M, Conroy DM, Cordina Duverger E, Cornelissen S, Cox DG, Cox A, Cross SS, Cunningham JM, Czene K, Daly MB, Devilee P, Doheny KF, Dork T, Dos Santos Silva I, Dumont M, Durcan L, Dwek M, Eccles DM, Ekici AB, Eliassen AH, Ellberg C, Elvira M, Engel C, Eriksson M, Fasching PA, Figueira J, Flesch Janys D, Fletcher O, Flyger H, Fritschl L, Gaborieau V, Gabrielson M, Gago Dominguez M, Gao YT, Gapstur SM, Garcia Saenz JA, Gaudet MM, Georgoulias V, Giles GG, Glendon G, Goldberg MS, Goldgar DE, Gonzalez Neira A, Grenaker Alnaes GI, Grip M, Gronwald J, Grundy A, Guenel P, Haeberle L, Hahnens E, Haiman CA, Hakansson N, Hamann U, Hamel N, Hankinson S, Harrington P, Hart SN, Hartikainen JM, Hartman M, Hein A, Heyworth J, Hicks B, Hillemanns P, Ho DN, Hollestelle A, Hooning MJ, Hoover RN, Hopper JL, Hou MF, Hsiung CN, Huang G, Humphreys K, Ishiguro J, Ito H, Iwasaki M, Iwata H, Jakubowska A, Janni W, John EM, Johnson N, Jones K, Jones M, Jukkola Vuorinen A, Kaaks R, Kabisch M, Kaczmarek K, Kang D, Kasuga Y, Kerin MJ, Khan S, Khusnutdinova E, Kiiski JI, Kim SW, Knight JA, Kosma VM, Kristensen VN, Kruger U, Kwong A, Lambrechts D, Le Marchand L, Lee E, Lee MH, Lee JW, Neng Lee C, Lejbkowicz F, Li J, Lilyquist J, Lindblom A, Lissowska J, Lo WY, Loibl S, Long J, Lophatananon A, Lubinski J, Luccarini C, Lux MP, Ma ESK, Macinnis RJ, Maishman T, Makalic E, Malone KE, Kostovska IM, Mannermaa A, MANOUKIAN S, Manson JE, Margolin S, Mariapun S, Martinez ME, Matsuo K, Mavroudis D, McKay J, Mclean C, Meijers Heijboer H, Meindl A, Menendez P, Menon U, Meyer J, Miao H, Miller N, Taib NAM, Muir K, Mulligan AM, Mulot C, Neuhausen SL, Nevanlinna H, Neven P, Nielsen SF, Noh DY, Nordestgaard BG, Norman A, Olopade OI, Olson JE, Olsson H, Olswold C, Orr N, Pankratz VS, Park SK, Park Simon TW, Lloyd R, Perez JIA, Peterlongo P, Peto J, Phillips KA, Pinchev M, Plaseska Karanfilska D, Prentice R, Presneau N, Prokofieva D, Pugh E, Pylkas K, Rack B, RADICE P, Rahman N, Rennert G, Rennert HS, Rhenius V, Romero A, Romm J, Ruddy KJ, Rudiger T, Rudolph A, Ruebner M, Rutgers EJT, Saloustros E, Sandler DP, Sangrajrang S, Sawyer EJ, Schmidt DF, Schmutzler RK, Schneeweiss A, Schoemaker MJ, Schumacher F, Schurmann P, Scott RJ, Scott C, Seal S, Seynaeve C, Shah M, Sharma P, Shen CY, Sheng G, Sherman ME, Shrubsole MJ, Shu XO, Smeets A, Sohn C, Southe MC, Spinelli JJ, Stegmaier C, Stewart Brown S, Stone J, Stram DO, Surowy H, Swerdlow A, Tamimi R, Taylor JA, Tengstrom M, Teo SH, Beth Terry M, Tessier DC, Thanassisithichai S, Thone K, Tollenaar RAEM, Tomlinson I, Tong L, Torres D, Truong T, Tseng CC, Tsugane S, Ulmer HU, Ursin G, Untch M, Vachon C, Van Asperen CJ, Van Den Berg D, Van Den Ouwendal AMW, Van Der Kolk L, Van Der Luijt RB, Vincent D, Vollenweider J, Waifisz Q, Wang Gohrke S, Weinberg CR, Wendt C, Whittemore AS, Wildiers H, Willett W, Winqvist R, Wolk A, Wu AH, Xia L, Yamaji T, Yang XR, Har Yip C, Yoo KY, Yu JC, Zheng W, Zheng Y, Zhu B, Ziogas A, Ziv E, Abctb Investigators, Confab/Aocs Investigators, Lakhani SR, Antoniou AC, Droit A,

Andrulis IL, Amos CI, Couch FJ, Pharoah PDP, Chang Claude J, Hall P, Hunter DJ, Milne RL, Garcia Closas M, Schmidt MK, Chanock SJ, Dunning AM, Edwards SL, Bader GD, Chenevix Trench G, Simard J, Kraft P, Easton DF. Association analysis identifies 65 new breast cancer risk loci. *Nature* 2017;551:92-94

199 - Guo Q, Burgess S, Turman C, Bolla MK, Wang Q, Lush M, Abraham J, Aittomaki K, Andrulis IL, Apicella C, Arndt V, Barrdahl M, Benitez J, Berg CD, Blomqvist C, Bojesen SE, Bonanni B, Brand JS, Brenner H, Broeks A, Burwinkel B, Caldas C, Campa D, Canzian F, Chang Claude J, Chanock SJ, Chin SF, Couch FJ, Cox A, Cross SS, Cybulski C, Czene K, Darabi H, Devilee P, Diver WR, Dunning AM, Earl HM, Eccles DM, Ekici AB, Eriksson M, Evans DG, Fasching PA, Figueira J, Flesch Janys D, Flyger H, Gapstur SM, Gaudet MM, Giles GG, Glendon G, Grip M, Gronwald J, Haerle L, Haiman CA, Hall P, Hamann U, Hankinson S, Hartikainen JM, Hein A, Hiller L, Hogervorst FB, Holleczeck B, Hooning MJ, Hoover RN, Humphreys K, Hunter DJ, Husing A, Jakubowska A, Jukkola Vuorinen A, Kaaks R, Kabisch M, Kataja V, Kconfab/Aocs Investigators, Knight JA, Koppert LB, Kosma VM, Kristensen VN, Lambrechts D, Le Marchand L, Li J, Lindblom A, Lindstrom S, Lissowska J, Lubinski J, Machiela MJ, Mannermaa A, MANOUKIAN S, Margolin S, Marme F, Martens JWM, McLean C, Menendez P, Milne RL, Marie Mulligan A, Muranen TA, Nevanlinna H, Neven P, Nielsen SF, Nordestgaard BG, Olson JE, Perez JIA, Peterlongo P, Phillips KA, Poole CJ, Pylkas K, RADICE P, Rahman N, Rudiger T, Rudolph A, Sawyer EJ, Schumacher F, Seibold P, Seynaeve C, Shah M, Smeets A, Southe MC, Tollenaar RAEM, Tomlinson I, Tsimiklis H, Ulmer HU, Vachon C, Van Den Ouweland AMW, Van'T Veer LJ, Wildiers H, Willett W, Winquist R, Zamora MP, Chenevix Trench G, Dork T, Easton DF, Garcia Closas M, Kraft P, Hopper JL, Zheng W, Schmidt MK, Pharoah PDP. Body mass index and breast cancer survival: a Mendelian randomization analysis. *International Journal Of Epidemiology* 2017;46:1814-1822

200 - Silvestri V, Rizzolo P, Zelli V, Valentini V, Zanna I, Bianchi S, Tibiletti MG, Varesco L, Russo A, Tommasi S, Coppa A, Capalbo C, Calistri D, Viel A, Cortesi L, MANOUKIAN S, Bonanni B, Montagna M, Palli D, RADICE P, Peterlongo P, Ottini L. A possible role of FANCM mutations in male breast cancer susceptibility: Results from a multicenter study in Italy. *Breast* 2018;38:92-97

201 - BRUNO E, MANOUKIAN S, VENTURELLI E, OLIVERIO A, Rovera F, Iula G, MORELLI D, PEISSEL B, AZZOLLINI J, Roveda E, PASANISI P. Adherence to Mediterranean Diet and Metabolic Syndrome in BRCA Mutation Carriers. *Integrative Cancer Therapies* 2018;17:153-160

202 - RIPAMONTI CB, MANOUKIAN S, PEISSEL B, AZZOLLINI J, CARCANGIU ML, RADICE P. Survey of gynecological carcinomas in families with breast and ovarian cancer predisposition. *Cancer Genetics* 2018;221:38-45

203 - COLOMBO M, López Perolio I, Meeks HD, CALECA L, Parsons MT, Li H, De Vecchi G, Tudini E, FOGLIA C, MONDINI P, MANOUKIAN S, Behar R, Garcia EBG, Meindl A, Montagna M, Niederacher D, Schmidt AY, Varesco L, Wappenschmidt B, Bolla MK, Dennis J, Michailidou K, Wang Q, Aittomaki K, Andrulis IL, Anton Culver H, Arndt V, Beckmann MW, Beeghly Fadel A, Benitez J, Boeckx B, Bogdanova NV, Bojesen SE, Bonanni B, Brauch H, Brenner H, Burwinkel B, Chang Claude J, Conroy DM, Couch FJ, Cox A, Cross SS, Czene K, Devilee P, Dork T, Eriksson M, Fasching PA, Figueira J, Fletcher O, Flyger H, Gabrielson M, Garcia Closas M, Giles GG, González Neira A, Guénél P, Haiman CA, Hall P, Hamann U, Hartman M, Hauke J, Hollestelle A, Hopper JL, Jakubowska A, Jung A, Kosma VM, Lambrechts D, Le Marchand L, Lindblom A, Lubinski J, Mannermaa A, Margolin S, Miao H, Milne RL, Neuhausen SL, Nevanlinna H, Olson JE, Peterlongo P, Peto J, Pylkas K, Sawyer EJ, Schmidt MK, Schmutzler RK, Schneeweiss A, Schoemaker MJ, See MH, Southe MC, Swerdlow A, Teo SH, Toland AE, Tomlinson I, Truong T, Van Asperen CJ, Van Den Ouweland AMW, Van Der Kolk LE, Wingquist R, Yannoukakos D, Zheng W, Kconfab/Aocs Investigators, Dunning AM, Easton DF, Henderson A, Hogervorst FBL, Izatt L, Offitt K, Side LE, Van Rensburg EJ, Embrace S, Hebon S, McGuffog L, Antoniou AC, Chenevix Trench G, Spurdle AB, Goldgar DE, Hoya M, RADICE P. The BRCA2 c.68-7T > A variant is not pathogenic: A model for clinical calibration of spliceogenicity. *Human Mutation* 2018;39:729-741

204 - Rebbeck TR, Friebel TM, Friedman E, Hamann U, Huo D, Kwong A, Olah E, Olopade OI, Solano AR, Teo SH, Thomassen M, Weitzel JN, Chan TL, Couch FJ, Goldgar DE, Kruse TA, Palmero EI, Park SK, Torres D, Van Rensburg EJ, McGuffog L, Parsons MT, Leslie G, Aalfs CM, Abugattas J, Adlard J, Agata S, Aittomaki K, Andrews L, Andrulis IL, Arason A, Arnold N, Arun BK, Asseryanis E, Auerbach L, AZZOLLINI J, Balmana J, Barile M, Barkardottir RB, Barrowdale D, Benitez J, Berger A, Berger R, Blanco AM, Blazer KR, Blok MJ, Bonadona V, Bonanni B, Bradbury AR, Brewer C, Buecher B, Buys SS, Caldes T, Caliebe A, Caligo MA, Campbell I, Caputo SM, Chiquette J, Chung WK, Claes KBM, Collee JM, Cook J, Davidson R, De La Hoya M, De Leeneer K, De Pauw A, Delnatte C, Diez O, Ding YC, Ditsch N, Domchek SM, Dorfling CM, Velazquez C, Dworniczak B, Eason J, Easton DF, Eeles R, Ehrencrona H, Ejlersen B, Embrace, Engel C, Engert S, Evans DG, Faivre L, Feliubadalo L, Ferrer SF, Foretova L, Fowler J, Frost D, Galvao HCR, Ganz PA, Garber J, Gauthier Villars M, Gehrig A, Gemo Study Collaborators, Gerdes AM, Gesta P, Giannini G, Giraud S, Glendon G, Godwin AK, Greene MH, Gronwald J, Gutierrez Barrera A, Hahn E, Hauke J, Hebon, Henderson A, Hentschel J, Hogervorst FBL, Honisch E, Imyanitov EN, Isaacs C, Izatt L, Izquierdo A, Jakubowska A, James P, Janavicius R, Jensen UB, John EM, Vijai J, Kaczmarek K, Karlan BY, Kast K, Investigators K, Kim SW, Konstantopoulou I, Korach J, Laitman Y, Lasa A, Lasset C, Lazaro C, Lee A, Lee MH, Lester J, Lesueur F, Liljegren A, Lindor NM, Longy M, Loud JT, Lu KH, Lubinski J, Machackova E, MANOUKIAN S, Mari V, Martinez Bouzas C, Matrai Z, Mebirouk N, Meijers Heijboer HEJ, Meindl A, Mensenkamp AR, Mickys U, Miller A, Montagna M, Moysich KB, Mulligan AM, Musinsky J, Neuhausen SL, Nevanlinna H, Ngeow J, Nguyen HP, Niederacher D, Nielsen HR, Nielsen FC, Nussbaum RL, Offit K, Overholm A, Ong KR, Osorio A, Papi L, Papp J, Pasini B, Pedersen IS, Peixoto A, Peruga N, Peterlongo P, Pohl E, Pradhan N, Prajzendanc K, Prieur F, Pujol P, RADICE P, Ramus SJ, Rantala J, Rashid MU, Rhieb M, Robson M, Rodriguez GC, Rogers MT, Rudaitis V, Schmidt AY, Schmutzler RK, Senter L, Shah PD, Sharma P, Side LE, Simard J, Singer CF, Skytte AB, Slavin TP, Snape K, Sobol H, Southe MC, Steele L, Steinemann D, Sukiennicki G, Sutter C, Szabo CI, Tan YY, Teixeira MR, Terry MB, Teule A, Thomas A, Thull DL, Tischkowitz M, Tognazzo S, Toland AE, Topka S, Trainer AH, Tung N, Van Asperen CJ, Van Der Hout AH, Van Der Kolk LE, Van Der Luijt RB, Van Heetvelde M, Varesco L, Varon Mateeva R, Vega A, Villarreal Garza C, Von Wachenfeldt A, Walker L, Wang Gohrke S, Wappenschmidt B, Weber BHF, Yannoukakos D, Yoon SY, ZANZOTTERA C, Zidan J, Zorn KK, Hutten Selkirk CG, Hulick PJ, Chenevix Trench G, Spurdle AB, Antoniou AC, Nathanson KL. Mutational spectrum in a worldwide study of 29,700 families with BRCA1 or BRCA2 mutations. *Human Mutation* 2018;39:593-620

205 - Catucci I, Osorio A, Arver B, Neidhardt G, Bogliolo M, Zanardi F, Riboni M, Minardi S, Pujol R, AZZOLLINI J, PEISSEL B, MANOUKIAN S, De Vecchi G, Casola S, Hauke J, Richters L, Rhieb M, Schmutzler RK, Wallander K, Torngren T, Borg A, RADICE P, Surrallés J, Hahn E, Ehrencrona H, Kvist A, Benitez J, Peterlongo P. Individuals with FANCM biallelic mutations do not develop Fanconi anemia, but show risk for breast cancer, chemotherapy toxicity and may display chromosome fragility. *Genetics In Medicine* 2018;20:452-457