

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GENEDX, INC.

Petitioner

v.

UNIVERSITY OF UTAH ET AL.

Patent Owner

U.S. Patent No. 5,753,441 to Skolnick *et al.*

Issue Date: May 19, 1998

Title: 17Q-Linked Breast and Ovarian Cancer Susceptibility Gene

Inter Partes Review No: Unassigned

GENEDX, INC.'S EXHIBIT LIST

Mail Stop "PATENT BOARD"

Patent Trial and Appeal Board

U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

GeneDx Exhibit List
Petition for Inter Partes Review of USPN 5,753,441

<i>GDX Exhibit #</i>	<i>Description</i>
1001	U.S. Patent No. 5,753,441 (filed on January 5, 1996; issued on May 19, 1998)
1002	Declaration of Dr. Madhuri Hegde, PH.D., FACMG
1003	<i>Curriculum Vitae</i> of Dr. Madhuri Hegde, PH.D., FACMG
1004	Friedman, L.S., <i>et al.</i> , "Confirmation of <i>BRCA1</i> by analysis of germline mutations linked to breast and ovarian cancer in ten families," <i>Nature Genetics</i> 8: 399-404 (1994)
1005	Miki, Y., <i>et al.</i> , "A Strong Candidate for the Breast and Ovarian Cancer Susceptibility Gene <i>BRCA1</i> ," <i>Science</i> 266: 66-71 (1994)
1006	Bowcock, A.M., "Molecular cloning <i>BRCA1</i> : a gene for early onset familial breast and ovarian cancer," <i>Breast Cancer Research and Treatment</i> 28: 121-135 (1993)
1007	Kelsell, D.P., <i>et al.</i> , "Genetic analysis of the <i>BRCA1</i> region in a large breast/ovarian family: refinement of the minimal region containing <i>BRCA1</i> ," <i>Human Mol. Genetics</i> 2: 1823-1828 (1993)
1008	Easton, D.F., <i>et al.</i> , "Genetic Linkage Analysis in Familial Breast and Ovarian Cancer: Results from 214 Families," <i>Am. J. Hum. Genet.</i> 52: 678-701 (1993)
1009	File History for U.S. Patent No. 5,753,441
1010	File History for U.S. Patent Publ. Appl. No. 08/409,305
1011	File History for U.S. Patent Publ. Appl. No. 08/300,266
1012	PACER List of Associated Cases for 14-md-02510, available at https://ecf.utd.uscourts.gov/cgi-bin/qryAscCases.pl?89779 (last accessed on August 15, 2014)
1013	Myriad Genetics 2013 Annual Report, <i>downloaded from</i> http://files.shareholder.com/downloads/MYGN/3399011197x0x699241/42B88246-0E90-4F5C-9697-3DF98027C46D/2013_Annual_Report.pdf
1014	Declaration of Dr. Gregory C. Critchfield, filed December 23, 2009, in <i>Assoc. for Molecular Pathology v. U.S. Patent & Trademark Office</i> , No. 09-cv-04515-RWS (S.D.N.Y.)
1015	Declaration of Mark Allan Kay, M.D., Ph.D., filed August 31, 2013, in <i>University of Utah Research Foundation v. Ambry Genetics Corp.</i> , No. 13-cv-00640-RJS (D. Utah)
1016	Eng, C., <i>et al.</i> , "Interpreting epidemiological research: blinded comparison of methods used to estimate the prevalence of inherited mutations in <i>BRCA1</i> ," <i>J. Med. Genet.</i> 38: 824-833 (2001)

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1017	Bowcock, A.M., "Molecular cloning of BRCA1: a gene for early onset familial breast and ovarian cancer," <i>Breast Cancer Res Treat</i> 28: Abstract (1993)
1018	Cotton, R.G., " Current method of mutation detection," <i>Mutation Research</i> 285: Abstract (1993)
1019	Sambrook, J., <i>et al.</i> , "Molecular Cloning, A Laboratory Manual," 2 nd Ed., Cold Spring Harbor Laboratory Press, §§ 5.28-5.32, 6.36-6.48, 13.6-13.77, and 14.5-14.21 (1989)
1020	Cotton, R.G.H., "Current methods of mutation detection," <i>Mutation Research</i> 285: 125-144 (1993)
1021	File History for U.S. Patent Appl. No. 08/308,104
1022	File History for U.S. Patent Appl. No. 08/289,221
1023	Kelsell, D.P. <i>et al.</i> , "Genetic analysis of the BRCA1 region in a large breast/ovarian family: refinement of the minimal region containing BRCA1," <i>Hum. Mol. Genet.</i> 2: Abstract (1993)
1024	Smith <i>et al.</i> , "Complete Genomic Sequence and Analysis of 117 kb of Human DNA Containing the Gene <i>BRCA1</i> ." <i>Genome Research</i> 6(11): 1029-49 (Nov. 1996)
1025	Alberts, <i>et al.</i> , "Molecular Biology of the Cell," 3 rd Ed., pp. 98-99, 104-106, 242-243, 292-293, 314-317, 337, 339, 1072-1073, G-5-G-6, G-10, G-17 (1994)
1026	"BRCA1 gene," <i>Genetics Home Reference: Your Guide to Understanding Genetic Conditions</i> , National Library of Medicine's Website for Consumers, available at http://ghr.nlm.nih.gov/gene/BRCA1 (last accessed Jul. 22, 2014)
1027	King, "Breast Cancer genes: how many, where and who are they?," <i>Nature Genetics</i> 2: 89-90 (October 1992)
1028	Hall, J., <i>et al.</i> , "Linkage of early-onset familial breast cancer to chromosome 17q21," <i>Science</i> 21: 1684-1689 (1990)
1029	Bowcock, A.M., <i>et al.</i> , "THRA1 and D17S183 Flank an Interval of <4 cM for the Breast-Ovarian Cancer Gene (BRCA1) on Chromosome 17q21," <i>Am J. Hum. Genet.</i> 52: 718-722 (1993)

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<i>GDX Exhibit #</i>	<i>Description</i>
1030	"Centimorgan," <i>Genetics Home Reference: Your Guide to Understanding Genetics Conditions</i> , National Library of Medicine's Website for Consumers, available at http://ghr.nlm.nih.gov/glossary=centimorgan (last accessed Aug. 12, 2014)
1031	"Homo sapiens BRCA1 (BRCA1) gene, complete cds; ribosomal protein L21-like protein (rpL21) pseudogene, complete sequence; Rho7 (Rho7) and Vatl (Vatl) genes, complete cds; and unknown (ifp35) gene, exons 1 through 3 and partial cds," <i>National Center for Biotechnology Information</i> available at http://www.ncbi.nlm.nih.gov/nuccore/1698398 (last accessed on Aug. 12, 2014)
1032	Cropp, C., <i>et al.</i> , "Evidence for Involvement of BRCA1 in Sporadic Breast Carcinomas," <i>Cancer Research</i> 54: 2548-2551 (1994)
1033	Smith, S., <i>et al.</i> , "Localisation of the Breast-Ovarian Cancer Susceptibility Gene (BRCA1) on 17112-21 to an Interval of ≤ 1 cM," <i>Genes, Chromosomes & Cancer</i> 10: 71-76 (1994)
1034	Jones, K., <i>et al.</i> , "The detailed characterization of a 400 kb cosmid walk in the <i>BRCA1</i> region: identification and localization of 10 genes including a dual-specificity phosphatase," <i>Human Molecular Genetics</i> 3:1927-1934(1994)
1035	File History for U.S. Patent Publ. Appl. No. 08/348,824

Respectfully submitted,

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Date: August 18, 2014

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CERTIFICATION OF SERVICE (37 C.F.R. §§ 42.6(e), 42.105(a))

The undersigned hereby certifies that the above-captioned "GENEDX, Inc.'s Exhibit List" and Exhibits 1001 –1035 were served in their entirety on August 18, 2014, upon the following party via FEDEX:

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