

Fractional Allelic Loss

1

Orita H. Sakamoto N. Ajioka Y. Terai T. Hino O. Sato N. Shimoda T. Kamano T. Tsurumaru M. Fujii H., "Allelic loss analysis of early-stage flat-type colorectal tumors," *Annals of Oncology*. 17(1):43-9, 2006 Jan.

2

Matsubayashi H. Skinner HG. Iacobuzio-Donahue C. Abe T. Sato N. Riall TS. Yeo CJ. Kern SE. Goggins M., "Pancreaticobiliary cancers with deficient methylenetetrahydrofolate reductase genotypes," *Clinical Gastroenterology & Hepatology*. 3(8):752-60, 2005 Aug.

3

Sheikh HA. Sasatomi E. **Finkelstein S.** Yousem SA., "Comparative mutational analysis of pulmonary scar epithelium, bronchioloalveolar carcinomas, and invasive well-differentiated pulmonary adenocarcinomas: a molecular approach to diagnostically challenging cases," *American Journal of Surgical Pathology*. 29(10):1267-73, 2005 Oct.

4

Hunt JL. Carty SE. Yim JH. Murphy J. Barnes L., "Allelic loss in parathyroid neoplasia can help characterize malignancy," *American Journal of Surgical Pathology*. 29(8):1049-55, 2005 Aug.

5

Goldstein NS. Vicini FA. Hunter S. Odish E. Forbes S. Kraus D. Kestin LL., "Molecular clonality determination of ipsilateral recurrence of invasive breast carcinomas after breast-conserving therapy: comparison with clinical and biologic factors," *American Journal of Clinical Pathology*. 123(5):679-89, 2005 May.

6

Smeds J. Warnberg F. Norberg T. Nordgren H. Holmberg L. Bergh J., "Ductal carcinoma in situ of the breast with different histopathological grades and corresponding new breast tumour events: analysis of loss of heterozygosity," *Acta Oncologica*. 44(1):41-9, 2005.

7

Dacic S. **Finkelstein SD.** Yousem SA., "Clonal selection of adenocarcinoma of the lung as determined by loss of heterozygosity," *Experimental & Molecular Pathology*. 78(2):135-9, 2005 Apr.

8

Bartos JD. Stoler DL. Matsui S. Swede H. Willmott LJ. Sait SN. Petrelli NJ. Anderson GR., "Genomic heterogeneity and instability in colorectal cancer: spectral karyotyping, glutathione transferase-M1 and ras," *Mutation Research*. 568(2):283-92, 2004 Dec 21.

9

Mohan D. **Finkelstein SD.** Swalsky PA. Sasatomi E. Wiley C. Hamilton RL. Lieberman F. Couce ME., "Microdissection genotyping of gliomas: therapeutic and prognostic considerations," *Modern Pathology*. 17(11):1346-58, 2004 Nov.

10

Dacic S. Sasatomi E. Swalsky PA. Kim DW. **Finkelstein SD.** Yousem SA., "Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis," *Archives of Pathology & Laboratory Medicine.* 128(8):880-4, 2004 Aug.

11

Miyai K. Furugen Y. Matsumoto T. Iwabuchi K. Hirose S. Kinoshita K. Fujii H., "Loss of heterozygosity analysis in uterine cervical adenocarcinoma," *Gynecologic Oncology.* 94(1):115-

12

Moore PS. Missiaglia E. Beghelli S. Bragantini E. Mina MM. Zamboni G. Falconi M. Scarpa A., "Allelotype of ampulla of Vater cancer: highly frequent involvement of chromosome 11," *Journal of Cancer Research & Clinical Oncology.* 130(6):339-45, 2004 Jun.

13

Iacobuzio-Donahue CA. van der Heijden MS. Baumgartner MR. Troup WJ. Romm JM. Doheny K. Pugh E. Yeo CJ. Goggins MG. Hruban RH. Kern SE., "Large-scale allelotype of pancreaticobiliary carcinoma provides quantitative estimates of genome-wide allelic loss," *Cancer Research.* 64(3):871-5, 2004 Feb 1.

14

Fernando HC. Sasatomi E. Christie NA. Buenaventura PO. **Finkelstein SD.** Yousem SA. Soose R. Close JM. Luketich JD, "Comparison of mutational changes in involved N1 lymph nodes with those in primary tumors in stage II non-small cell lung cancer: a pilot study," *Journal of Thoracic & Cardiovascular Surgery.* 127(1):87-91, 2004 Jan.

15

Dacic S. Trusky C. Bakker A. **Finkelstein SD.** Yousem SA., "Genotypic analysis of pulmonary Langerhans cell histiocytosis," *Human Pathology.* 34(12):1345-9, 2003 Dec.

16

Kumar R. Angelini S. Hemminki K., "Activating BRAF and N-Ras mutations in sporadic primary melanomas: an inverse association with allelic loss on chromosome 9," *Oncogene.* 22(58):9217-24, 2003 Dec 18.

17

Ohori NP. Fowler MH. Swalsky PA. Pal R. Thompson J. **Finkelstein SD,** "Comparative molecular analysis of loss of heterozygosity in adenocarcinoma in bile duct brushings and corresponding surgical pathology specimens," *Cancer.* 99(6):379-84, 2003 Dec 25.

18

Harkes IC. Elstrodt F. Dinjens WN. Molier M. Klijn JG. Berns EM. Schutte M., "Allelotype of 28 human breast cancer cell lines and xenografts," *British Journal of Cancer.* 89(12):2289-92, 2003 Dec 15.

19

Fujii H. Ichikawa K. Takagaki T. Nakanishi Y. Ikegami M. Hirose S. Shimoda T., "Genetic evolution of alpha fetoprotein producing gastric cancer," *Journal of Clinical Pathology.* 56(12):942-9, 2003 Dec.

20

Hayashi M. Tamura G. Kato N. Ansai S. Kondo S. Motoyama T., "Genetic analysis of cutaneous squamous cell carcinomas arising from different areas," *Pathology International*. 53(9):602-7, 2003 Sep.

21

Pizzi S. Azzoni C. Bassi D. Bottarelli L. Milione M. Bordi C., "Genetic alterations in poorly differentiated endocrine carcinomas of the gastrointestinal tract," *Cancer*. 98(6):1273-82, 2003 Sep 15.

22

Park S. Kim SW. Kim SH. Lee BL. Kim WH., "Loss of heterozygosity in ampulla of Vater neoplasms during adenoma-carcinoma sequence," *Anticancer Research*. 23(3C):2955-9, 2003 May-Jun.

23

Ho MK. Lee JM. Chan CK. Ng IO., "Allelic alterations in nontumorous liver tissues and corresponding hepatocellular carcinomas from chinese patients," *Human Pathology*. 34(7):699-705, 2003 Jul.

24

Ott K. Vogelsang H. Mueller J. Becker K. Muller M. Fink U. Siewert JR. Hofler H. Keller G., "Chromosomal instability rather than p53 mutation is associated with response to neoadjuvant cisplatin-based chemotherapy in gastric carcinoma," *Clinical Cancer Research*. 9(6):2307-15, 2003 Jun.

25

Nakayama S. Nakayama K. Takebayashi Y. Hata K. Fujiwaki R. Fukumoto M. Miyazaki K., "Allelotypes as potential prognostic markers in ovarian carcinoma treated with cisplatin-based chemotherapy," *International Journal of Molecular Medicine*. 11(5):621-5, 2003 May.

26

Finkelstein SD. Marsh W. Demetris AJ. Swalsky PA. Sasatomi E. Bonham A. Subotin M. Dvorchik I., "Microdissection-based allelotyping discriminates de novo tumor from intrahepatic spread in hepatocellular carcinoma," *Hepatology*. 37(4):871-9, 2003 Apr.

27

Powell CA. Bueno R. Borczuk AC. Caracta CF. Richards WG. Sugarbaker DJ. Brody JS., "Patterns of allelic loss differ in lung adenocarcinomas of smokers and nonsmokers," *Lung Cancer*. 39(1):23-9, 2003 Jan.

28

Lerebours F. Bertheau P. Bieche I. Driouch K. De The H. Hacene K. Espie M. Marty M. Lidereau R., "Evidence of chromosome regions and gene involvement in inflammatory breast cancer," *International Journal of Cancer*. 102(6):618-22, 2002 Dec 20.

29

van Rees BP. Caspers E. zur Hausen A. van den Brule A. Drillenburger P. Weterman MA. Offerhaus GJ., "Different pattern of allelic loss in Epstein-Barr virus-positive gastric cancer with emphasis on the p53 tumor suppressor pathway," *American Journal of Pathology*. 161(4):1207-13, 2002 Oct.

30

Ishikawa Y. Furuta R. Miyoshi T. Satoh Y. Okumura S. Nakagawa K. Tsuchiya E., "Loss of heterozygosity and the smoking index increase with decrease in differentiation of lung adenocarcinomas: etiologic implications," *Cancer Letters*. 187(1-2):47-51, 2002 Dec 10.

31

Wong CM. Lee JM. Lau TC. Fan ST. Ng IO., "Clinicopathological significance of loss of heterozygosity on chromosome 13q in hepatocellular carcinoma," *Clinical Cancer Research*. 8(7):2266-72, 2002 Jul.

32

Jiang WW. Fujii H. Shirai T. Mega H. Takagi M., "Accumulative increase of loss of heterozygosity from leukoplakia to foci of early cancerization in leukoplakia of the oral cavity," *Cancer*. 92(9):2349-56, 2001 Nov 1.

33

Anderson GR. Brenner BM. Swede H. Chen N. Henry WM. Conroy JM. Karpenko MJ. Issa JP. Bartos JD. Brunelle JK. Jahreis GP. Kahlenberg MS. Basik M. Sait S. Rodriguez-Bigas MA. Nowak NJ. Petrelli NJ. Shows TB. Stoler DL., "Intrachromosomal genomic instability in human sporadic colorectal cancer measured by genome-wide allelotyping and inter-(simple sequence repeat) PCR," *Cancer Research*. 61(22):8274-83, 2001 Nov 15.

34

Shao JY. Huang XM. Yu XJ. Huang LX. Wu QL. Xia JC. Wang HY. Feng QS. Ren ZF. Ernberg I. Hu LF. Zeng YX., "Loss of heterozygosity and its correlation with clinical outcome and Epstein-Barr virus infection in nasopharyngeal carcinoma," *Anticancer Research*. 21(4B):3021-9, 2001 Jul-Aug.

35

Buerger H. Schmidt H. Beckmann A. Zanker KS. Boecker W. Brandt B., "Genetic characterisation of invasive breast cancer: a comparison of CGH and PCR based multiplex microsatellite analysis," *Journal of Clinical Pathology*. 54(11):836-40, 2001 Nov.

36

Kitamura Y. Shimizu K. Ito K. Tanaka S. Emi M., "Allelotyping of follicular thyroid carcinoma: frequent allelic losses in chromosome arms 7q, 11p, and 22q," *Journal of Clinical Endocrinology & Metabolism*. 86(9):4268-72, 2001 Sep.

37

Laurent-Puig P. Legoix P. Bluteau O. Belghiti J. Franco D. Binot F. Monges G. Thomas G. Bioulac-Sage P. Zucman-Rossi J., "Genetic alterations associated with hepatocellular carcinomas define distinct pathways of hepatocarcinogenesis," *Gastroenterology*. 120(7):1763-73, 2001 Jun.

38

Sanchez-Cespedes M. Ahrendt SA. Piantadosi S. Rosell R. Monzo M. Wu L. Westra WH. Yang SC. Jen J. Sidransky D., "Chromosomal alterations in lung adenocarcinoma from smokers and nonsmokers," *Cancer Research*. 61(4):1309-13, 2001 Feb 15.

39

Hessman O. Skogseid B. Westin G. Akerstrom G., "Multiple allelic deletions and intratumoral genetic heterogeneity in men1 pancreatic tumors," *Journal of Clinical Endocrinology & Metabolism*. 86(3):1355-61, 2001 Mar.

40

Goumenou AG. Arvanitis DA. Matalliotakis IM. Koumantakis EE. Spandidos DA., "Microsatellite DNA assays reveal an allelic imbalance in p16(Ink4), GALT, p53, and APOA2 loci in patients with endometriosis," *Fertility & Sterility*. 75(1):160-5, 2001 Jan.

41

Rigaud G. Missiaglia E. Moore PS. Zamboni G. Falconi M. Talamini G. Pesci A. Baron A. Lissandrini D. Rindi G. Grigolato P. Pederzoli P. Scarpa A., "High resolution allelotype of nonfunctional pancreatic endocrine tumors: identification of two molecular subgroups with clinical implications," *Cancer Research*. 61(1):285-92, 2001 Jan 1.

42

Moore PS. Zamboni G. Brighenti A. Lissandrini D. Antonello D. Capelli P. Rigaud G. Falconi M. Scarpa A., "Molecular characterization of pancreatic serous microcystic adenomas: evidence for a tumor suppressor gene on chromosome 10q," *American Journal of Pathology*. 158(1):317-21, 2001 Jan.

43

Grundeit T. Vogelsang H. Ott K. Mueller J. Scholz M. Becker K. Fink U. Siewert JR. Hofler H. Keller G., "Loss of heterozygosity and microsatellite instability as predictive markers for neoadjuvant treatment in gastric carcinoma," *Clinical Cancer Research*. 6(12):4782-8, 2000 Dec.

44

Rigaud G. Moore PS. Zamboni G. Orlandini S. Taruscio D. Paradisi S. Lemoine NR. Kloppel G. Scarpa A., "Allelotype of pancreatic acinar cell carcinoma," *International Journal of Cancer*. 88(5):772-7, 2000 Dec 1.

45

Han HS. Kim HS. Woo DK. Kim WH. Kim YI., "Loss of heterozygosity in gastric neuroendocrine tumor," *Anticancer Research*. 20(5A):2849-54, 2000 Sep-Oct.

46

Maggioni M. Coggi G. Cassani B. Bianchi P. Romagnoli S. Mandelli A. Borzio M. Colombo P. Roncalli M., "Molecular changes in hepatocellular dysplastic nodules on microdissected liver biopsies," *Hepatology*. 32(5):942-6, 2000 Nov.

47

Girard L. Zochbauer-Muller S. Virmani AK. Gazdar AF. Minna JD., "Genome-wide allelotyping of lung cancer identifies new regions of allelic loss, differences between small cell lung cancer and non-small cell lung cancer, and loci clustering," *Cancer Research*. 60(17):4894-906, 2000 Sep 1.

48

Kang YK. Kim YI. Kim WH., "Allelotype analysis of intrahepatic cholangiocarcinoma," *Modern Pathology*. 13(6):627-31, 2000 Jun.

49

Wistuba II. Tomlinson GE. Behrens C. Virmani A. Geradts J. Blum JL. Minna JD. Gazdar AF, "Two identical triplet sisters carrying a germline BRCA1 gene mutation acquire very similar breast cancer somatic mutations at multiple other sites throughout the genome," *Genes, Chromosomes & Cancer*. 28(4):359-69, 2000 Aug.

50

Mori N. Morosetti R. Hoflehner E. Lubbert M. Mizoguchi H. Koeffler HP., "Allelic loss in the progression of myelodysplastic syndrome," *Cancer Research*. 60(11):3039-42, 2000 Jun 1.

51

Kitamura Y. Shimizu K. Tanaka S. Ito K. Emi M., "Association of allelic loss on 1q, 4p, 7q, 9p, 9q, and 16q with postoperative death in papillary thyroid carcinoma," *Clinical Cancer Research*. 6(5):1819-25, 2000 May.

52

Roncalli M. Bianchi P. Grimaldi GC. Ricci D. Laghi L. Maggioni M. Opocher E. Borzio M. Coggi G., "Fractional allelic loss in non-end-stage cirrhosis: correlations with hepatocellular carcinoma development during follow-up," *Hepatology*. 31(4):846-50, 2000 Apr.

53

Kitamura Y. Shimizu K. Tanaka S. Ito K. Emi M., "Allelotyping of anaplastic thyroid carcinoma: frequent allelic losses on 1q, 9p, 11, 17, 19p, and 22q," *Genes, Chromosomes & Cancer*. 27(3):244-51, 2000 Mar.

54

Powell CA. Klares S. O'Connor G. Brody JS., "Loss of heterozygosity in epithelial cells obtained by bronchial brushing: clinical utility in lung cancer," *Clinical Cancer Research*. 5(8):2025-34, 1999 Aug.

55

Legoix P. Bluteau O. Bayer J. Perret C. Balabaud C. Belghiti J. Franco D. Thomas G. Laurent-Puig P. Zucman-Rossi J., "Beta-catenin mutations in hepatocellular carcinoma correlate with a low rate of loss of heterozygosity," *Oncogene*. 18(27):4044-6, 1999 Jul 8.

56

Partridge M. Emilion G. Falworth M. A'Hern R. Phillips E. Pateromichelakis S. Langdon J., "Patient-specific mutation databases for oral cancer," *International Journal of Cancer*. 84(3):284-92, 1999 Jun 21.

57

Wistuba II. Bryant D. Behrens C. Milchgrub S. Virmani AK. Ashfaq R. Minna JD. Gazdar AF., "Comparison of features of human lung cancer cell lines and their corresponding tumors," *Clinical Cancer Research*. 5(5):991-1000, 1999 May.

58

Maitra A. Tavassoli FA. Albores-Saavedra J. Behrens C. Wistuba II. Bryant D. Weinberg AG. Rogers BB. Saboorian MH. Gazdar AF., "Molecular abnormalities associated with secretory carcinomas of the breast," *Human Pathology*. 30(12):1435-40, 1999 Dec.

59

Wistuba II. Behrens C. Milchgrub S. Syed S. Ahmadian M. Virmani AK. Kurvari V. Cunningham TH. Ashfaq R. Minna JD. Gazdar AF., "Comparison of features of human breast cancer cell lines and their corresponding tumors," *Clinical Cancer Research*. 4(12):2931-8, 1998 Dec.

60

Choi SW. Park SW. Lee KY. Kim KM. Chung YJ. Rhyu MG., "Fractional allelic loss in gastric carcinoma correlates with growth patterns," *Oncogene*. 17(20):2655-9, 1998 Nov 19.

61

Hatta Y. Yamada Y. Tomonaga M. Said JW. Miyosi I. Koeffler HP., "Allelotype analysis of adult T-cell leukemia," *Blood*. 92(6):2113-7, 1998 Sep 15.

62

Chung DC. Brown SB. Graeme-Cook F. Tillotson LG. Warshaw AL. Jensen RT. Arnold A., "Localization of putative tumor suppressor loci by genome-wide allelotyping in human pancreatic endocrine tumors," *Cancer Research*. 58(16):3706-11, 1998 Aug 15.

63

Chambon-Pautas C. Cave H. Gerard B. Guidal-Giroux C. Duval M. Vilmer E. Grandchamp B., "High-resolution allelotype analysis of childhood B-lineage acute lymphoblastic leukemia," *Leukemia*. 12(7):1107-13, 1998 Jul.

64

Healy E. Belgaid C. Takata M. Harrison D. Zhu NW. Burd DA. Rigby HS. Matthews JN. Rees JL., "Prognostic significance of allelic losses in primary melanoma," *Oncogene*. 16(17):2213-8, 1998 Apr 30.

65

Haggman MJ. Wojno KJ. Pearsall CP. Macoska JA, "Allelic loss of 8p sequences in prostatic intraepithelial neoplasia and carcinoma," *Urology*. 50(4):643-7, 1997 Oct.

66

Liloglou T. Scholes AG. Spandidos DA. Vaughan ED. Jones AS. Field JK, "p53 mutations in squamous cell carcinoma of the head and neck predominate in a subgroup of former and present smokers with a low frequency of genetic instability," *Cancer Research*. 57(18):4070-4, 1997 Sep 15.

67

Mori N. Morosetti R. Lee S. Spira S. Ben-Yehuda D. Schiller G. Landolfi R. Mizoguchi H. Koeffler HP, "Allelotype analysis in the evolution of chronic myelocytic leukemia," *Blood*. 90(5):2010-4, 1997 Sep 1.

68

Boige V. Laurent-Puig P. Fouchet P. Flejou JF. Monges G. Bedossa P. Bioulac-Sage P. Capron F. Schmitz A. Olschwang S. Thomas G., "Concerted nonsyntenic allelic losses in hyperploid hepatocellular carcinoma as determined by a high-resolution allelotype," *Cancer Research*. 57(10):1986-90, 1997 May 15.

69

Tung WS. Shevlin DW. Kaleem Z. Tribune DJ. Wells SA Jr. Goodfellow PJ., "Allelotype of follicular thyroid carcinomas reveals genetic instability consistent with frequent nondisjunctional chromosomal loss," *Genes, Chromosomes & Cancer*. 19(1):43-51, 1997 May.

70

Lander JK. Fan H., "Low-frequency loss of heterozygosity in Moloney murine leukemia virus-induced tumors in BRAKF1/J mice," *Journal of Virology*. 71(5):3940-52, 1997 May.

71

Visser M. Bras J. Sijmons C. Devilee P. Wijnaendts LC. van der Linden JC. Voute PA. Baas F., "Microsatellite instability in childhood rhabdomyosarcoma is locus specific and correlates with fractional allelic loss," *Proceedings of the National Academy of Sciences of the United States of America*. 93(17):9172-6, 1996 Aug 20.

72

Cave H. Guidal C. Elion J. Vilmer E. Grandchamp B., "A low rate of loss of heterozygosity is found at many different loci in childhood B-lineage acute lymphocytic leukemia," *Leukemia*. 10(9):1486-91, 1996 Sep.

73

Barrett MT. Galipeau PC. Sanchez CA. Emond MJ. Reid BJ., "Determination of the frequency of loss of heterozygosity in esophageal adenocarcinoma by cell sorting, whole genome amplification and microsatellite polymorphisms," *Oncogene*. 12(9):1873-8, 1996 May 2.

74

Ittmann M., "Allelic loss on chromosome 10 in prostate adenocarcinoma," *Cancer Research*. 56(9):2143-7, 1996 May 1.

75

Waring AJ. Takata M. Rehman I. Rees JL., "Loss of heterozygosity analysis of keratoacanthoma reveals multiple differences from cutaneous squamous cell carcinoma," *British Journal of Cancer*. 73(5):649-53, 1996 Mar.