

CITATION REPORT

List of articles citing

Polymerase delta variants in RER colorectal tumours

DOI: 10.1038/ng0195-10
Nature Genetics, 1995, 9, 10-1.

Source: <https://exaly.com/paper-pdf/25952530/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
125	DNA-mismatch repair. The intricacies of eukaryotic spell-checking. 1995 , 5, 1091-4		44
124	Genetic instability occurs in the majority of young patients with colorectal cancer. 1995 , 1, 348-52		322
123	Nucleic acid fingerprinting by PCR-based methods: applications to problems in aging and mutagenesis. 1995 , 338, 215-29		18
122	Molecular analysis of mutations in mutator colorectal carcinoma cell lines. 1995 , 4, 2057-64		72
121	Isolation of an hMSH2-p160 heterodimer that restores DNA mismatch repair to tumor cells. 1995 , 268, 1909-12		516
120	Mutations of GTBP in genetically unstable cells. 1995 , 268, 1915-7		439
119	Infrequent occurrence of microsatellite instability in sporadic and familial breast cancer. 1995 , 31A, 2330-4		34
118	Isolation and sequence determination of the cDNA encoding DNA polymerase delta from <i>Drosophila melanogaster</i> . <i>Gene</i> , 1995 , 166, 237-42	3.8	10
117	Somatic mutations in the hMSH2 gene in microsatellite unstable colorectal carcinomas. 1995 , 4, 2065-72		142
116	Dr. Strange DNA, or how I learned to stop cloning and love the computer. <i>Gastroenterology</i> , 1995 , 109, 611-4	13.3	5
115	In vitro transcription/translation assay for the screening of hMLH1 and hMSH2 mutations in familial colon cancer. <i>Gastroenterology</i> , 1995 , 109, 1368-74	13.3	66
114	Microsatellite instability as an indicator of hereditary susceptibility to colon cancer. <i>Gastroenterology</i> , 1995 , 109, 2031-3	13.3	13
113	Molecular genetics of colorectal cancer. 1995 , 768, 101-10		46
112	GTBP, a 160-kilodalton protein essential for mismatch-binding activity in human cells. 1995 , 268, 1912-4		469
111	Differences in the spectrum of spontaneous mutations in the hprt gene between tumor cells of the microsatellite mutator phenotype. 1996 , 316, 249-59		73
110	Lessons from hereditary colorectal cancer. 1996 , 87, 159-70		3849
109	Biochemistry and genetics of eukaryotic mismatch repair. 1996 , 10, 1433-42		468

108	Loss of heterozygosity and base substitution at the APRT locus in mismatch-repair-proficient and -deficient colorectal carcinoma cell lines. 1996 , 16, 6516-23		31
107	Microsatellite instability and DNA mismatch repair in human cancer. 1996 , 7, 15-24		72
106	Hereditary nonpolyposis colorectal cancer: review of clinical, molecular genetics, and counseling aspects. 1996 , 62, 353-64		68
105	Genomic instability in colorectal carcinomas: comparison of different evaluation methods and their biological significance. 1996 , 179, 15-9		53
104	Molecular genetic analysis of clear cell adenocarcinomas of the vagina and cervix associated and unassociated with diethylstilbestrol exposure in utero. 1996 , 77, 507-13		74
103	Microsatellite instability and loss of heterozygosity on chromosome 10 in rat mammary tumors induced by 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine. 1996 , 15, 176-82		28
102	Frameshift mutator mutations. 1996 , 382, 499-500		270
101	Requirement of the yeast MSH3 and MSH6 genes for MSH2-dependent genomic stability. 1996 , 271, 7285-8		150
100	Microsatellite instability differences between familial and sporadic ovarian cancers. 1996 , 17, 1799-804		54
99	Paternal uniparental disomy for chromosome 6 causes transient neonatal diabetes. 1997 , 34, 167-8		34
98	Mutations predisposing to hereditary nonpolyposis colorectal cancer. 1997 , 71, 93-119		119
97	Mutation rate at the hprt locus in human cancer cell lines with specific mismatch repair-gene defects. 1997 , 18, 1-8		111
96	DNA methylation and genetic instability in colorectal cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 2545-50	11.5	331
95	Alternative genetic pathways in colorectal carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 12122-7	11.5	194
94	Genetic prognostic markers in colorectal cancer. 1997 , 50, 281-8		13
93	Conditional mutator phenotypes in hMSH2-deficient tumor cell lines. 1997 , 277, 1523-6		83
92	DNA mismatch repair in mammals: role in disease and meiosis. 1997 , 7, 364-70		34
91	Genetics of disease. 1997 , 7, 425-51		

90	The roles of the eukaryotic DNA polymerases in DNA repair synthesis. 1997 , 384, 157-67	38
89	Reversal of methylation tolerance by transfer of human chromosome 2. 1997 , 385, 115-26	6
88	Mutation in the mismatch repair gene Msh6 causes cancer susceptibility. 1997 , 91, 467-77	300
87	Infrequent hMSH2 mutations in sporadic gastric adenocarcinoma with microsatellite instability. 1997 , 112, 161-6	22
86	DNA mismatch repair gene mutations in human cancer. 1997 , 105 Suppl 4, 775-80	20
85	Molecular basis of HNPCC: mutations of MMR genes. 1997 , 10, 89-99	145
84	MSH2 and MLH1 mutations in sporadic replication error-positive colorectal carcinoma as assessed by two-dimensional DNA electrophoresis. 1997 , 18, 269-278	76
83	Regenerative lesions in ulcerative colitis are characterized by microsatellite mutation. 1997 , 19, 170-175	24
82	Frameshift mutations of the hMSH6 gene in human leukemia cell lines. 1998 , 89, 33-9	12
81	Mismatch repair genes and mononucleotide tracts as mutation targets in colorectal tumors with different degrees of microsatellite instability. 1998 , 17, 157-63	65
80	Complementation of mismatch repair gene defects by chromosome transfer. 1998 , 402, 15-22	11
79	Did the four human cancer cell lines DLD-1, HCT-15, HCT-8, and HRT-18 originate from one and the same patient?. 1998 , 107, 76-9	39
78	Microsatellite instability and loss of heterozygosity at DNA mismatch repair gene loci occurs during hepatic carcinogenesis. 1998 , 28, 90-7	87
77	DNA mismatch repair and colorectal cancer. 1998 , 185, 123-9	40
76	Molecular approaches to colorectal cancer: a review. 1998 , 5, 34-43	4
75	Isolation of MutSbeta from human cells and comparison of the mismatch repair specificities of MutSbeta and MutSalpha. 1998 , 273, 19895-901	305
74	DNA synthesis, mismatch repair and cancer.. 1998 , 12, 377	3
73	Sequence-dependent mutations in a shuttle vector plasmid replicated in a mismatch repair deficient human cell line. 1999 , 20, 1293-301	7

72	Effect of hMSH6 cDNA expression on the phenotype of mismatch repair-deficient colon cancer cell line HCT15. 1999 , 20, 373-82	33
71	Decreased Host-Cell Reactivation of UV-Irradiated Adenovirus in Human Colon Tumor Cell Lines that Have Normal Post-UV Survival . 1999 , 70, 217-227	2
70	The alphaE-catenin gene (CTNNA1) acts as an invasion-suppressor gene in human colon cancer cells. 1999 , 18, 905-15	65
69	hMSH6 deficiency and inactivation of the alphaE-catenin invasion-suppressor gene in HCT-8 colon cancer cells. 1999 , 17, 663-8	6
68	A mutation detected in DNA polymerase delta cDNA from Novikoff hepatoma cells correlates with abnormal catalytic properties of the enzyme. 1999 , 125, 598-608	12
67	Microsatellite instability and aneuploidy rate in young colorectal-cancer patients do not differ significantly from those in older patients. 1999 , 80, 667-70	14
66	Detection of mutations in the DNA polymerase delta gene of human sporadic colorectal cancers and colon cancer cell lines. 1999 , 80, 919-29	57
65	Genetic pathways in colorectal and other cancers. 1999 , 35, 335-51	127
64	Mutations in hMSH6 alone are not sufficient to cause the microsatellite instability in colorectal cancer cell lines. 1999 , 35, 1724-9	27
63	Genetic pathways in colorectal and other cancers. 1999 , 35, 1986-2002	115
62	Microsatellite instability in human cancer: a prognostic marker for chemotherapy?. 1999 , 246, 1-10	79
61	Genomic alterations (LOH, MI) on chromosome 17q21-23 and prognosis of sporadic colorectal cancer. 2000 , 89, 1-7	28
60	Mutation analysis of replicative genes encoding the large subunits of DNA polymerase alpha and replication factors A and C in human sporadic colorectal cancers. 2000 , 86, 318-24	18
59	Mutation spectrum of MSH3-deficient HHUA/chr.2 cells reflects in vivo activity of the MSH3 gene product in mismatch repair. 2000 , 447, 155-64	3
58	Candidate mutator genes in mismatch repair-deficient thymic lymphomas: no evidence of mutations in the DNA polymerase delta gene. 2000 , 21, 2281-5	2
57	Nucleotide excision repair DNA synthesis by excess DNA polymerase beta: a potential source of genetic instability in cancer cells. 2000 , 14, 1765-74	52
56	Genetic and epigenetic modification of MLH1 accounts for a major share of microsatellite-unstable colorectal cancers. 2000 , 156, 1773-9	230
55	A model for the involvement of Okazaki fragments maturation in the expansion of short tandem repeats. <i>Gene</i> , 2001 , 276, 153-9	3.8 2

54	Microsatellite instability: application in hereditary non-polyposis colorectal cancer. 2001 , 12, 151-60		8
53	What we could do now: molecular pathology of colorectal cancer. 2001 , 54, 206-14		50
52	Combined effects of adenovirus-mediated wild-type p53 transduction, temozolomide and poly (ADP-ribose) polymerase inhibitor in mismatch repair deficient and non-proliferating tumor cells. 2001 , 8, 457-69		25
51	Extensive characterization of genetic alterations in a series of human colorectal cancer cell lines. 2001 , 20, 5025-32		148
50	High incidence of epithelial cancers in mice deficient for DNA polymerase delta proofreading. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 15560-5	11.5	140
49	Exploring and exploiting instability. 2002 , 1, 212-25		12
48	Diabetes mellitus neonatal transitoria asociada a isodisomía uniparental del cromosoma 6. 2002 , 56, 567-570		3
47	Allelic imbalance at the DNA mismatch repair loci, hMSH2, hMLH1, hPMS1, hPMS2 and hMSH3, in squamous cell carcinoma of the head and neck. 2003 , 39, 115-29		31
46	Hereditary nonpolyposis colorectal cancer and related conditions. 2003 , 122A, 325-34		62
45	Role of DNA mismatch repair defects in the pathogenesis of human cancer. 2003 , 21, 1174-9		548
44	Hypersensitivity of tumor cell lines with microsatellite instability to DNA double strand break producing chemotherapeutic agent bleomycin. 2004 , 64, 4760-7		44
43	Effect of exogenous MSH6 and POLD1 expression on the mutation rate of the HPRT locus in a human colon cancer cell line with mutator phenotype, DLD-1. 2004 , 24, 697		
42	Activity (transcription) of the genes for MLH1, MSH2 and p53 in sporadic colorectal tumours with micro-satellite instability. 2004 , 90, 2006-12		6
41	Genetic predisposition to colorectal cancer. 2004 , 4, 769-80		480
40	A CpG island hypermethylation profile of primary colorectal carcinomas and colon cancer cell lines. 2004 , 3, 28		122
39	Molecular genetic basis of colorectal cancer susceptibility. 1996 , 83, 321-9		29
38	Genetic instability in patients with metachronous colorectal cancers. 1997 , 84, 996-1000		30
37	DNA polymerases and human diseases. 2006 , 166, 693-714		81

36	Molecular Pathogenesis of Human Cancer. 2006 , 349-374		
35	Mutation at the polymerase active site of mouse DNA polymerase delta increases genomic instability and accelerates tumorigenesis. 2007 , 27, 7669-82		84
34	Structural basis of high-fidelity DNA synthesis by yeast DNA polymerase delta. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 979-86	17.6	197
33	Modulation of the tumor suppressor protein alpha-catenin by ischemic microenvironment. 2009 , 175, 1662-74		8
32	DNA replication fidelity and cancer. 2010 , 20, 281-93		102
31	A cancer-associated DNA polymerase delta variant modeled in yeast causes a catastrophic increase in genomic instability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 157-62	11.5	60
30	DNA Polymerases and Diseases. 2010 , 261-279		
29	Pre-steady state kinetic studies of the fidelity of nucleotide incorporation by yeast DNA polymerase delta. 2010 , 49, 7344-50		25
28	Concurrent genetic alterations in DNA polymerase proofreading and mismatch repair in human colorectal cancer. 2011 , 19, 320-5		59
27	DNA polymerase delta in DNA replication and genome maintenance. 2012 , 53, 666-82		78
26	Structure and function of eukaryotic DNA polymerase δ . <i>Sub-Cellular Biochemistry</i> , 2012 , 62, 217-36	5.5	16
25	The Eukaryotic Replisome: a Guide to Protein Structure and Function. <i>Sub-Cellular Biochemistry</i> , 2012 ,	5.5	6
24	Translesion DNA polymerases and cancer. <i>Frontiers in Genetics</i> , 2012 , 3, 174	4.5	41
23	Targeting DNA damage and repair: embracing the pharmacological era for successful cancer therapy. <i>Pharmacology & Therapeutics</i> , 2012 , 133, 334-50	13.9	77
22	Germline mutations affecting the proofreading domains of POLE and POLD1 predispose to colorectal adenomas and carcinomas. <i>Nature Genetics</i> , 2013 , 45, 136-44	36.3	686
21	Phenotypic characterization of missense polymerase- δ mutations using an inducible protein-replacement system. <i>Nature Communications</i> , 2014 , 5, 4990	17.4	12
20	DNA polymerases δ and Rev1 mediate error-prone bypass of non-B DNA structures. <i>Nucleic Acids Research</i> , 2014 , 42, 290-306	20.1	73
19	Colon and endometrial cancers with mismatch repair deficiency can arise from somatic, rather than germline, mutations. <i>Gastroenterology</i> , 2014 , 147, 1308-1316.e1	13.3	269

18	DNA polymerase ϵ and its roles in genome stability. <i>IUBMB Life</i> , 2014 , 66, 339-51	4.7	49
17	A mutation in POLE predisposing to a multi-tumour phenotype. <i>International Journal of Oncology</i> , 2014 , 45, 77-81	4.4	47
16	Dynamics of replication proteins during lagging strand synthesis: A crossroads for genomic instability and cancer. <i>DNA Repair</i> , 2016 , 42, 72-81	4.3	5
15	Mismatch Repair Deficiency and Response to Immune Checkpoint Blockade. <i>Oncologist</i> , 2016 , 21, 1200-1211	3.7	164
14	POLD1: Central mediator of DNA replication and repair, and implication in cancer and other pathologies. <i>Gene</i> , 2016 , 590, 128-41	3.8	68
13	Mechanisms and Consequences of Cancer Genome Instability: Lessons from Genome Sequencing Studies. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2016 , 11, 283-312	3.4	72
12	Replicative DNA polymerase defects in human cancers: Consequences, mechanisms, and implications for therapy. <i>DNA Repair</i> , 2017 , 56, 16-25	4.3	51
11	Chromosomes and Chromosomal Instability in Human Cancer. 2017 , 241-262		
10	Family A and B DNA Polymerases in Cancer: Opportunities for Therapeutic Interventions. <i>Biology</i> , 2018 , 7,	4.9	2
9	Cryo-EM structure and dynamics of eukaryotic DNA polymerase ϵ holoenzyme. <i>Nature Structural and Molecular Biology</i> , 2019 , 26, 955-962	17.6	28
8	Structure of eukaryotic DNA polymerase ϵ bound to the PCNA clamp while encircling DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30344-30353	11.5	13
7	Molecular mechanisms of human carcinogenesis. <i>Exs</i> , 2006 , 321-49		17
6	The Role of Genomic Instability in the Development of Human Cancer. 2002 , 115-142		5
5	DNA Mismatch Repair. <i>Nucleic Acids and Molecular Biology</i> , 1998 , 173-197		4
4	The prevention of repeat-associated deletions in <i>Saccharomyces cerevisiae</i> by mismatch repair depends on size and origin of deletions. <i>Genetics</i> , 1996 , 143, 1579-87	4	55
3	Heterogeneity of microsatellite mutations within and between loci, and implications for human demographic histories. <i>Genetics</i> , 1998 , 148, 1269-84	4	107
2	Probing altered enzyme activity in the biochemical characterization of cancer.. <i>Bioscience Reports</i> , 2022 ,	4.1	
1	Polymerase Epsilon-Associated Ultramutagenesis in Cancer.. <i>Cancers</i> , 2022 , 14,	6.6	0

