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## The double-strand-break repair model for recombination

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2110	Quantitative chromatographic estimation of alpha-amino-acids. <b>1948</b> , 161, 763		48
2109	Editorial. <b>1960</b> , 6, 5-5		
2108	Saccharomyces cerevisiae DNA repair processes: an update. <b>1996</b> , 158, 65-75		6
2107	The new yeast genetics. <b>1983</b> , 305, 391-7		193
2106	Duplex breaks in DNA as recombination initiators. <b>1983</b> , 306, 645-6		5
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2101	Yeast recombination: the association between double-strand gap repair and crossing-over. <b>1983</b> , 80, 4417-21		380
2100	Recombination between antibody heavy chain variable-region genes: evidence for gene conversion. <b>1983</b> , 80, 4997-5001		103
2099	ORGANIZATION OF THE MITOCHONDRIAL 21S rRNA GENE IN Saccharomyces cerevisiae s MUTANTS OF THE PEPTIDYL TRANSFERASE CENTRE AND NATURE OF THE omega LOCUS. <b>1983</b> , 389-404		
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2097	Human fetal globin DNA sequences suggest novel conversion event. <b>1984</b> , 12, 4469-79		39
2096	Isolation and characterization of endonuclease J: a sequence-specific endonuclease cleaving immunoglobulin genes. <b>1984</b> , 12, 5995-6010		33
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2093	Homologous recombination catalyzed by mammalian cell extracts in vitro. <b>1984</b> , 226, 1213-5	30
2092	A gradient of sequence divergence in the human adult alpha-globin duplication units. <b>1984</b> , 226, 67-70	61
2091	Role of RecA protein spiral filaments in genetic recombination. <b>1984</b> , 309, 215-9	361
2090	Gene conversion in the absence of reciprocal recombination. <b>1984</b> , 310, 728-9	40
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2084	Staphylococcal plasmid cointegrates are formed by host- and phage-mediated general <i>rec</i> systems that act on short regions of homology. <b>1984</b> , 195, 374-7	53
2083	Recombination in adenovirus: analysis of crossover sites in intertypic overlap recombinants. <b>1984</b> , 139, 43-52	20
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2077	Homologous recombination between overlapping thymidine kinase gene fragments stably inserted into a mouse cell genome. <b>1984</b> , 4, 852-61	71
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2067	Homologous recombination catalyzed by human cell extracts. <b>1985</b> , 5, 714-20	66
2066	Plasmid recombination intermediates generated in a <i>Saccharomyces cerevisiae</i> cell-free recombination system. <b>1985</b> , 5, 2361-8	18
2065	High-frequency meiotic gene conversion between repeated genes on nonhomologous chromosomes in yeast. <b>1985</b> , 82, 3350-4	96
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2063	Relative rates of homologous and nonhomologous recombination in transfected DNA. <b>1985</b> , 82, 3355-9	138
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2061	Effect of double-strand breaks on homologous recombination in mammalian cells and extracts. <b>1985</b> , 5, 3331-6	102
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2059	Partial purification of an enzyme from <i>Saccharomyces cerevisiae</i> that cleaves Holliday junctions. <b>1985</b> , 82, 7247-51	118
2058	Recombination in mouse L cells between DNA introduced into cells and homologous chromosomal sequences. <b>1985</b> , 82, 1391-5	136

2057	Expression of the Escherichia coli dam methylase in Saccharomyces cerevisiae: effect of in vivo adenine methylation on genetic recombination and mutation. <b>1985</b> , 5, 610-8	42
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2051	Homologous recombination of polyoma virus DNA in mouse cells. <b>1985</b> , 199, 146-51	9
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2046	Nonreciprocal exchanges in the yeast mitochondrial genome. <b>1985</b> , 1, 81-84	12
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2044	Gene conversion and crossing-over. <b>1985</b> , 7, 923-32	8
2043	Topological requirements for homologous recombination among DNA molecules transfected into mammalian cells. <b>1985</b> , 5, 2080-9	149
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2041	Recovery, repair, and mutagenesis in Schizosaccharomyces pombe. <b>1985</b> , 23, 1-72	91
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2013	Transformation in cyanobacteria. <b>1986</b> , 13, 111-32		59
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2009	Clonal recruitment and somatic mutation in the generation of immunological memory to the hapten NP.. <b>1986</b> , 5, 2459-2468		149
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2001	Transfection and homologous recombination involving single-stranded DNA substrates in mammalian cells and nuclear extracts. <b>1986</b> , 83, 5587-91	63
2000	Intramolecular recombination between transfected repeated sequences in mammalian cells is nonconservative. <b>1986</b> , 6, 2520-6	86
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1995	Mating type-like conversion promoted by the 2 micrograms circle site-specific recombinase: implications for the double-strand-gap repair model. <b>1986</b> , 6, 3831-7	12
1994	The evolutionarily conserved repetitive sequence d(TG.AC) <sub>n</sub> promotes reciprocal exchange and generates unusual recombinant tetrads during yeast meiosis. <b>1986</b> , 6, 3934-47	151
1993	Effects of poly[d(pGpT).d(pApC)] and poly[d(pCpG).d(pCpG)] repeats on homologous recombination in somatic cells. <b>1986</b> , 6, 3948-53	86
1992	Efficient homologous recombination of linear DNA substrates after injection into <i>Xenopus laevis</i> oocytes. <b>1986</b> , 6, 2053-61	65
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1980	The molecular basis of the origin of complete and mosaic mutants. <b>1986</b> , 159, 41-6	6
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1978	Enhanced induction by X-irradiation of DNA double-strand breakage in mitotic as compared with S-phase V79 cells. <b>1986</b> , 49, 909-14	8
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1976	The use of recombinant DNA techniques to study radiation-induced damage, repair and genetic change in mammalian cells. <b>1986</b> , 50, 1-30	29
1975	A general method for identifying correct solutions in the quantitative analysis of gene conversion data. <b>1986</b> , 28, 701-11	2
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1971	Programmed gene rearrangements altering gene expression. <b>1987</b> , 235, 658-67	271
1970	Extrachromosomal recombination in mammalian cells as studied with single- and double-stranded DNA substrates. <b>1987</b> , 7, 129-40	60
1969	Promotion of double-strand break repair by human nuclear extracts preferentially involves recombination with intact homologous DNA. <b>1987</b> , 15, 6813-26	18
1968	Reconstruction of human alpha thalassemia-2 genotypes in monkey cells. <b>1987</b> , 15, 2989-3008	5

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1966	The human keratin genes and their differential expression. <b>1987</b> , 22, 5-34	93
1965	Meiotic recombination in yeast: alteration by multiple heterozygosities. <b>1987</b> , 237, 1459-65	185
1964	The molecular basis of the evolution of sex. <b>1987</b> , 24, 323-70	54
1963	Accurate modification of a chromosomal plasmid by homologous recombination in human cells. <b>1987</b> , 84, 6820-4	56
1962	Intermolecular homologous recombination between transfected sequences in mammalian cells is primarily nonconservative. <b>1987</b> , 7, 3561-5	70
1961	Recombination and ligation of transfected DNA in CHO mutant EM9, which has high levels of sister chromatid exchange. <b>1987</b> , 7, 2007-11	46
1960	Intermolecular recombination assay for mammalian cells that produces recombinants carrying both homologous and nonhomologous junctions. <b>1987</b> , 7, 2248-55	35
1959	Repair of single-stranded loops in heteroduplex DNA transfected into mammalian cells. <b>1987</b> , 84, 1619-23	45
1958	Modification of DNA ends can decrease end joining relative to homologous recombination in mammalian cells. <b>1987</b> , 84, 4959-63	34
1957	Homologous recombination between single-stranded DNA and chromosomal genes in <i>Saccharomyces cerevisiae</i> . <b>1987</b> , 7, 2329-34	56
1956	Purification and characterization of an activity from <i>Saccharomyces cerevisiae</i> that catalyzes homologous pairing and strand exchange. <b>1987</b> , 84, 5560-4	127
1955	Recombinational substrates designed to study recombination between unique and repetitive sequences in vivo. <b>1987</b> , 84, 6215-9	84
1954	Intramolecular recombination between partially homologous sequences in <i>Escherichia coli</i> and <i>Xenopus laevis</i> oocytes. <b>1987</b> , 84, 6496-500	22
1953	Characterization of a centromere-linked recombination hot spot in <i>Saccharomyces cerevisiae</i> . <b>1987</b> , 7, 3871-9	9
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1943	Gene 3 endonuclease of bacteriophage T7 resolves conformationally branched structures in double-stranded DNA. <b>1987</b> , 193, 359-76		128
1942	Molecular characterization of 125I decay and X-ray-induced HPRT mutants in CHO cells. <b>1987</b> , 51, 193-9		24
1941	The inheritance of epigenetic defects. <b>1987</b> , 238, 163-70		937
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1939	Meiotic Recombination Interpreted as Heteroduplex Correction. <b>1987</b> , 107-137		6
1938	Evidence that the normal route of replication-allowed Red-mediated recombination involves double-chain ends.. <b>1987</b> , 6, 3171-3176		23
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1936	Switching genes in <i>Schizosaccharomyces pombe</i> : their influence on cell viability and recombination. <b>1987</b> , 11, 303-308		32
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1929	Recombination in the eukaryotic nucleus. <b>1988</b> , 9, 61-4	57
1928	Mutagenic activity of acetonitrile and fumaronitrile in three short term assays with special reference to autoinduction. <b>1988</b> , 8, 201-9	2
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1919	Effect of gamma rays on efficiency of gene transfer in DNA repair-proficient and -deficient cell lines. <b>1988</b> , 14, 613-21	6
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1916	Different base/base mismatches are corrected with different efficiencies and specificities in monkey kidney cells. <i>Cell</i> , <b>1988</b> , 54, 705-11	56.2 222
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1914	Intra-chromosomal gene conversion induced by a DNA double-strand break in <i>Saccharomyces cerevisiae</i> . <b>1988</b> , 201, 247-60	86

1913	Yeast-mating-type switching: a model system for the study of genome rearrangements induced by carcinogens. <b>1988</b> , 534, 513-20		2
1912	Plasmid studies of genetic exchange in <i>Saccharomyces cerevisiae</i> . <b>1988</b> , 20, 97-105		1
1911	Conformational isomerization of the Holliday junction associated with a cruciform during branch migration in supercoiled plasmid DNA. <b>1988</b> , 201, 19-30		9
1910	Evidence for gene conversion between the phosphoglycerate kinase genes of <i>Trypanosoma brucei</i> . <b>1988</b> , 200, 439-47		55
1909	Effect of DNA structure and nucleotide sequence on Holliday junction resolution by a <i>Saccharomyces cerevisiae</i> endonuclease. <b>1988</b> , 201, 69-80		40
1908	Resolution of model Holliday junctions by yeast endonuclease is dependent upon homologous DNA sequences. <i>Cell</i> , <b>1988</b> , 52, 621-9	56.2	36
1907	A yeast centromere acts in cis to inhibit meiotic gene conversion of adjacent sequences. <i>Cell</i> , <b>1988</b> , 52, 863-73	56.2	68
1906	Inversion events in the HSV-1 genome are directly mediated by the viral DNA replication machinery and lack sequence specificity. <i>Cell</i> , <b>1988</b> , 54, 369-81	56.2	90
1905	Recombination between repeated genes in microorganisms. <b>1988</b> , 22, 147-68		257
1904	Heteroduplex-induced mutagenesis in mammalian cells. <b>1988</b> , 16, 2313-22		14
1903	Joining of nonhomologous DNA double strand breaks in vitro. <b>1988</b> , 16, 907-24		157
1902	Recombinational resolution in primate cells of two homologous human DNA segments with a gradient of sequence divergence. <b>1988</b> , 16, 11237-47		2
1901	RAD1, an excision repair gene of <i>Saccharomyces cerevisiae</i> , is also involved in recombination. <b>1988</b> , 8, 3619-26		216
1900	Microdeletion associated with the integration process of hepatitis B virus DNA. <b>1988</b> , 16, 4865-73		33
1899	Gene conversion adjacent to regions of double-strand break repair. <b>1988</b> , 8, 5292-8		56
1898	Effect of limited homology on gene conversion in a <i>Saccharomyces cerevisiae</i> plasmid recombination system. <b>1988</b> , 8, 2442-8		74
1897	Circular ribosomal DNA plasmids transform <i>Tetrahymena thermophila</i> by homologous recombination with endogenous macronuclear ribosomal DNA. <b>1988</b> , 85, 5151-5		45
1896	Homologous recombination and the repair of double-strand breaks during cotransformation of <i>Dictyostelium discoideum</i> . <b>1988</b> , 8, 2779-86		23

1895	Expansions and contractions of the genetic map relative to the physical map of yeast chromosome III. <b>1988</b> , 8, 595-604	115
1894	Gene conversion associated with site-specific recombination in yeast plasmid pSR1. <b>1988</b> , 8, 955-62	26
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1892	Unusual behaviour of linkage disequilibrium in two-locus gene conversion models. <b>1988</b> , 51, 55-8	5
1891	The variable mitochondrial genome of ascomycetes: organization, mutational alterations, and expression. <b>1988</b> , 25, 185-308	38
1890	Physical Monitorin of Meiotic and Mitotic Recombination in Yeast. <b>1988</b> , 35, 209-259	5
1889	Identification of homologous pairing and strand-exchange activity from a human tumor cell line based on Z-DNA affinity chromatography. <b>1988</b> , 85, 36-40	94
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1887	Recognition and cleavage site of the intron-encoded omega transposase. <b>1988</b> , 85, 6022-6	257
1886	Mitotic sectored colonies: evidence of heteroduplex DNA formation during direct repeat recombination. <b>1988</b> , 85, 2696-700	46
1885	Direction of chromosome rearrangements in <i>Saccharomyces cerevisiae</i> by use of his3 recombinational substrates. <b>1988</b> , 8, 4370-80	39
1884	Homologous integration in mammalian cells without target gene selection. <b>1988</b> , 2, 1353-63	150
1883	Selection of in vivo deletions in <i>Saccharomyces cerevisiae</i> . <b>1988</b> , 170, 3870-5	1
1882	Hybrid DNA tracts may start at different sites during meiotic recombination in gene b2 of <i>Ascobolus</i> . <b>1988</b> , 7, 253-259	1
1881	Cloning and nucleotide sequence of DNA mismatch repair gene PMS1 from <i>Saccharomyces cerevisiae</i> : homology of PMS1 to procaryotic MutL and HexB. <b>1989</b> , 171, 5339-46	193
1880	Cruciform cutting endonucleases from <i>Saccharomyces cerevisiae</i> and phage T4 show conserved reactions with branched DNAs.. <b>1989</b> , 8, 4325-4334	34
1879	Tandem-repetitive noncoding DNA: forms and forces. <b>1989</b> , 6, 198-212	73
1878	DNA Repair Mechanisms and Carcinogenesis. <b>1989</b> , 173-197	

1877	The human recombination strand exchange process. <b>1989</b> , 31, 45-52	14
1876	Mobile introns and intron-encoded proteins. <b>1989</b> , 246, 1106-9	136
1875	Targeted transformation of <i>Ascomobolus immersus</i> and de novo methylation of the resulting duplicated DNA sequences. <b>1989</b> , 9, 2818-27	156
1874	Homologous recombination in mammalian cells. <b>1989</b> , 23, 199-225	263
1873	The use of integrating DNA vectors to analyse the molecular defects in ionising radiation-sensitive mutants of mammalian cells including ataxia telangiectasia. <b>1989</b> , 220, 187-204	52
1872	A cell-cycle stage-related chromosomal X-ray hypersensitivity in larval neuroblasts of <i>Drosophila mei-9</i> and <i>mei-41</i> mutants suggesting defective DNA double-strand break repair. <b>1989</b> , 211, 111-24	7
1871	A genetic investigation of the mechanism of adenovirus marker rescue. <b>1989</b> , 173, 77-88	10
1870	Mu transposable elements are structurally diverse and distributed throughout the genus <i>Zea</i> . <b>1989</b> , 29, 28-39	55
1869	Class switch from mu to delta is mediated by homologous recombination between sigma mu and sigma mu sequences in human immunoglobulin gene loci. <b>1989</b> , 19, 1399-403	41
1868	Cloning of the LEU2 gene of <i>Saccharomyces cerevisiae</i> by in vivo recombination. <b>1989</b> , 152, 263-8	2
1867	DNA sequence analysis of the 24.5 kilobase pair cytochrome oxidase subunit I mitochondrial gene from <i>Podospora anserina</i> : a gene with sixteen introns. <b>1989</b> , 16, 381-406	53
1866	Regulation of transcription and promoter mapping of the structural genes for nitrogenase ( <i>nifHDK</i> ) of <i>Azospirillum brasilense</i> Sp7. <b>1989</b> , 220, 33-42	17
1865	The <i>PSO3</i> gene is involved in error-prone intragenic recombinational DNA repair in <i>Saccharomyces cerevisiae</i> . <b>1989</b> , 219, 75-80	11
1864	Anti-topoisomerase II recognizes meiotic chromosome cores. <b>1989</b> , 98, 317-22	105
1863	Meiosis: initiation of recombination. <b>1989</b> , 338, 14-5	9
1862	An initiation site for meiotic gene conversion in the yeast <i>Saccharomyces cerevisiae</i> . <b>1989</b> , 338, 35-9	308
1861	Double-strand breaks at an initiation site for meiotic gene conversion. <b>1989</b> , 338, 87-90	507
1860	Palindromic sequences in heteroduplex DNA inhibit mismatch repair in yeast. <b>1989</b> , 340, 318-20	152

1859	Infectious introns. <i>Cell</i> , <b>1989</b> , 56, 323-6	56.2	176
1858	Protein engineering by cDNA recombination in yeasts: shuffling of mammalian cytochrome P-450 functions. <b>1989</b> , 83, 15-24		94
1857	Decreased stable transfection frequencies of six X-ray-sensitive CHO strains, all members of the xrs complementation group. <b>1989</b> , 218, 75-86		21
1856	A site-specific endonuclease and co-conversion of flanking exons associated with the mobile td intron of phage T4. <b>1989</b> , 82, 119-26		65
1855	Intron mobility in the T-even phages: high frequency inheritance of group I introns promoted by intron open reading frames. <i>Cell</i> , <b>1989</b> , 56, 455-65	56.2	135
1854	Coconversion of flanking sequences with homothallic switching. <i>Cell</i> , <b>1989</b> , 57, 459-67	56.2	87
1853	Primary cells and established cell lines join DNA ends with the same efficiency relative to homologous recombination. <b>1989</b> , 22, 99-105		3
1852	Double-strand breaks stimulate alternative mechanisms of recombination repair. <b>1989</b> , 207, 527-41		151
1851	The molecular genetics of 21-hydroxylase deficiency. <b>1989</b> , 23, 371-93		114
1850	Molecular analysis of homologous recombination catalysed by human nuclear extract: fidelity and DNase protection. <b>1989</b> , 158, 454-61		4
1849	A mobile group I intron in the nuclear rDNA of <i>Physarum polycephalum</i> . <i>Cell</i> , <b>1989</b> , 56, 443-54	56.2	157
1848	Elevated recombination rates in transcriptionally active DNA. <i>Cell</i> , <b>1989</b> , 56, 619-30	56.2	1496
1847	Intermediates in homologous recombination revealed by marker effects in <i>Ascobolus</i> . <b>1989</b> , 31, 528-535		17
1846	Recombination in yeast and the recombinant DNA technology. <b>1989</b> , 31, 536-40		3
1845	Repair of base-base mismatches in simian and human cells. <b>1989</b> , 31, 578-83		36
1844	Heteroduplex DNA correction in <i>Saccharomyces cerevisiae</i> is mismatch specific and requires functional PMS genes. <b>1989</b> , 9, 4432-40		159
1843	Isolation and characterization of glucose-6-phosphate dehydrogenase-deficient Chinese hamster cells derived from pure mutant colonies. <b>1989</b> , 4, 259-64		8
1842	Degradation of linear DNA by a strand-specific exonuclease activity in <i>Xenopus laevis</i> oocytes. <b>1989</b> , 9, 4862-71		64



1841	Homologous plasmid recombination is elevated in immortally transformed cells. <b>1989</b> , 9, 4009-17	49
1840	Generation of hybrid human immunodeficiency virus by homologous recombination. <b>1989</b> , 86, 6388-92	38
1839	A DNA double chain break stimulates triparental recombination in <i>Saccharomyces cerevisiae</i> . <b>1989</b> , 86, 6225-9	60
1838	Repair of the <i>Escherichia coli</i> chromosome after in vivo scission by the EcoRI endonuclease. <b>1989</b> , 86, 2281-5	89
1837	Targeted homologous recombination at the endogenous adenine phosphoribosyltransferase locus in Chinese hamster cells. <b>1989</b> , 86, 4574-8	94
1836	Comparison of filler DNA at immune, nonimmune, and oncogenic rearrangements suggests multiple mechanisms of formation. <b>1989</b> , 9, 3049-57	125
1835	Chromosomal transformation of <i>Escherichia coli</i> recD strains with linearized plasmids. <b>1989</b> , 171, 2609-13	157
1834	Uracil-DNA glycosylases and DNA uracil repair. <b>1989</b> , 114, 125-79	23
1833	Recombination between irradiated shuttle vector DNA and chromosomal DNA in African green monkey kidney cells. <b>1990</b> , 10, 37-46	27
1832	Intermolecular homologous recombination in plants. <b>1990</b> , 10, 492-500	70
1831	Characterization of I-Ppo, an intron-encoded endonuclease that mediates homing of a group I intron in the ribosomal DNA of <i>Physarum polycephalum</i> . <b>1990</b> , 10, 3386-96	102
1830	Evidence for the double-strand break repair model of bacteriophage lambda recombination. <b>1990</b> , 87, 2790-4	71
1829	Characterization of the restriction site of a prokaryotic intron-encoded endonuclease. <b>1990</b> , 87, 3574-8	29
1828	Repair of double-stranded DNA breaks by homologous DNA fragments during transfer of DNA into mouse L cells. <b>1990</b> , 10, 113-9	91
1827	Repair and recombination of X-irradiated plasmids in <i>Xenopus laevis</i> oocytes. <b>1990</b> , 10, 5849-56	14
1826	Meiotic recombination between dispersed repeated genes is associated with heteroduplex formation. <b>1990</b> , 10, 4420-3	16
1825	Characterization of nonconservative homologous junctions in mammalian cells. <b>1990</b> , 10, 6613-8	18
1824	Transcription stimulates homologous recombination in mammalian cells. <b>1990</b> , 10, 4837-45	91

1823	Relative frequencies of homologous recombination between plasmids introduced into DNA repair-deficient and other mammalian somatic cell lines. <b>1990</b> , 16, 321-9	21
1822	Targeted gene modification for gene therapy of stem cells. <b>1990</b> , 8, 80-96	14
1821	Studies on mammalian mutants defective in rejoining double-strand breaks in DNA. <b>1990</b> , 239, 1-16	141
1820	Molecular characterization of hprt mutants induced by low- and high-LET radiations in human cells. <b>1990</b> , 243, 35-45	30
1819	Enhanced mutability at the tk locus in the radiosensitive double-strand break repair mutant xrs5. <b>1990</b> , 231, 187-93	5
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1817	Construction of an integration vector for use in the archaebacterium <i>Methanococcus voltae</i> and expression of a eubacterial resistance gene. <b>1990</b> , 221, 273-9	106
1816	The RAD50 gene, a member of the double strand break repair epistasis group, is not required for spontaneous mitotic recombination in yeast. <b>1990</b> , 18, 111-6	71
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1814	Restoration of the yeast LEU2 gene by transcriptionally controlled recombination between tandem repeats. <b>1990</b> , 223, 107-13	4
1813	The recombinational hot spot mutation ade6-M26 of <i>Schizosaccharomyces pombe</i> stimulates recombination at sites in a nearby interval. <b>1990</b> , 18, 193-7	9
1812	Analysis of interchromosomal mitotic recombination. <b>1990</b> , 18, 29-39	15
1811	Short DNA fragments induce site specific recombination in mammalian cells. <b>1990</b> , 92, 107-16	17
1810	The history of the DNA heteroduplex. <b>1990</b> , 12, 133-42	14
1809	Intermediates of recombination during mating type switching in <i>Saccharomyces cerevisiae</i> .. <b>1990</b> , 9, 663-673	289
1808	References. <b>1990</b> , 328-368	0
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1806	An essential <i>Saccharomyces cerevisiae</i> single-stranded DNA binding protein is homologous to the large subunit of human RP-A.. <b>1990</b> , 9, 2321-2329	133

1805	Rapid Proliferation of the Maize Transposable Element Activator in Transgenic Tomato. <b>1990</b> , 2, 723		
1804	Involvement of Coprinus endonuclease in preparing substrate for in vitro recombination. <b>1990</b> , 33, 101-8		3
1803	Intermolecular recombination between DNAs introduced into mouse L cells is mediated by a nonconservative pathway that leads to crossover products. <b>1990</b> , 10, 103-12		128
1802	Intron mobility in phage T4 is dependent upon a distinctive class of endonucleases and independent of DNA sequences encoding the intron core: mechanistic and evolutionary implications. <b>1990</b> , 18, 3763-70		109
1801	Homologous recombination and stable transfection in the parasitic protozoan Trypanosoma brucei. <b>1990</b> , 250, 1583-7		147
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1799	Chicken IgL variable region gene conversions display pseudogene donor preference and 5' to 3' polarity. <b>1990</b> , 4, 548-58		97
1798	Detection of heteroduplex DNA molecules among the products of Saccharomyces cerevisiae meiosis. <b>1990</b> , 87, 7653-7		105
1797	Targeted replacement of the homeobox gene Hox-3.1 by the Escherichia coli lacZ in mouse chimeric embryos. <b>1990</b> , 87, 4712-6		85
1796	Rapid proliferation of the maize transposable element Activator in transgenic tomato. <b>1990</b> , 2, 723-30		51
1795	Phage T4 introns: self-splicing and mobility. <b>1990</b> , 24, 363-85		88
1794	Somatic diversification of the chicken immunoglobulin light-chain gene. <b>1990</b> , 48, 41-67		34
1793	The nucleotide sequence of greA, a suppressor gene that restores growth of an Escherichia coli RNA polymerase mutant at high temperature. <b>1990</b> , 18, 6443		41
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1790	Homologous recombination is elevated in some Werner-like syndromes but not during normal in vitro or in vivo senescence of mammalian cells. <b>1990</b> , 237, 259-69		53
1789	Increased sensitivity to killing by restriction enzymes in the XR-1 DNA double-strand break repair-deficient mutant. <b>1990</b> , 236, 67-76		27
1788	Cleavage specificity of bacteriophage T4 endonuclease VII and bacteriophage T7 endonuclease I on synthetic branch migratable Holliday junctions. <b>1990</b> , 212, 723-35		54

1787	High-frequency P element loss in <i>Drosophila</i> is homolog dependent. <i>Cell</i> , <b>1990</b> , 62, 515-25	56.2	415
1786	A pathway for generation and processing of double-strand breaks during meiotic recombination in <i>S. cerevisiae</i> . <i>Cell</i> , <b>1990</b> , 61, 1089-101	56.2	630
1785	Meiotic gene conversion and crossing over: their relationship to each other and to chromosome synapsis and segregation. <i>Cell</i> , <b>1990</b> , 62, 927-37	56.2	159
1784	Self-splicing of group I introns. <b>1990</b> , 59, 543-68		774
1783	Homologous pairing in vitro initiated by DNA synthesis. <b>1990</b> , 169, 302-9		3
1782	Cleavage pattern of the homing endonuclease encoded by the fifth intron in the chloroplast large subunit rRNA-encoding gene of <i>Chlamydomonas eugametos</i> . <b>1991</b> , 104, 241-5		76
1781	<i>Saccharomyces cerevisiae</i> proteins involved in hybrid DNA formation in vitro. <b>1991</b> , 73, 269-76		2
1780	Structures of branched DNA molecules in solution. <b>1991</b> , 1, 464-468		1
1779	Conjugational recombination in <i>E. coli</i> : myths and mechanisms. <i>Cell</i> , <b>1991</b> , 64, 19-27	56.2	171
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1777	The split-end model for homologous recombination at double-strand breaks and at Chi. <b>1991</b> , 73, 385-97		70
1776	The effects on strand exchange of 5' versus 3' ends of single-stranded DNA in RecA nucleoprotein filaments. <b>1991</b> , 219, 645-54		36
1775	Sequences of junction fragments in the deletion-prone region of the dystrophin gene. <b>1991</b> , 10, 57-67		52
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1771	Double-strand-break repair and recombination catalyzed by a nuclear extract of <i>Saccharomyces cerevisiae</i> . <b>1991</b> , 10, 987-996		20
1770	Characterization of recombination intermediates from DNA injected into <i>Xenopus laevis</i> oocytes: evidence for a nonconservative mechanism of homologous recombination. <b>1991</b> , 11, 3278-87		103

1769	T-DNA integration: a mode of illegitimate recombination in plants.. <b>1991</b> , 10, 697-704	211
1768	The strong ADH1 promoter stimulates mitotic and meiotic recombination at the ADE6 gene of <i>Schizosaccharomyces pombe</i> . <b>1991</b> , 11, 289-98	79
1767	Repair of specific base pair mismatches formed during meiotic recombination in the yeast <i>Saccharomyces cerevisiae</i> . <b>1991</b> , 11, 737-45	72
1766	Heteroduplex formation and mismatch repair of the "stuck" mutation during mating-type switching in <i>Saccharomyces cerevisiae</i> . <b>1991</b> , 11, 5372-80	82
1765	Double-strand gap repair in a mammalian gene targeting reaction. <b>1991</b> , 11, 4389-97	80
1764	Repair of deletions and double-strand gaps by homologous recombination in a mammalian in vitro system. <b>1991</b> , 11, 445-57	73
1763	Integration of DNA fragments by illegitimate recombination in <i>Saccharomyces cerevisiae</i> . <b>1991</b> , 88, 7585-9	308
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1761	A unique pathway of double-strand break repair operates in tandemly repeated genes. <b>1991</b> , 11, 1222-31	172
1760	Involvement of single-stranded tails in homologous recombination of DNA injected into <i>Xenopus laevis</i> oocyte nuclei. <b>1991</b> , 11, 3268-77	67
1759	Identification and structure of four yeast genes (SLY) that are able to suppress the functional loss of YPT1, a member of the RAS superfamily. <b>1991</b> , 11, 872-85	308
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1754	The role of DNA double strand breaks in ionizing radiation-induced killing of eukaryotic cells. <b>1991</b> , 13, 641-8	238
1753	A probabilistic model for genetic recombination of nonreplicating lambda-phage DNA, stimulated by "mismatch repair" of UV photoproducts. <b>1991</b> , 31, 1565-79	5
1752	Targeted transformation in <i>Coprinus cinereus</i> . <b>1991</b> , 227, 245-51	36

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1749	Gene conversions within the Cup1r region from heterologous crosses in <i>Saccharomyces cerevisiae</i> . <b>1991</b> , 229, 261-6	10
1748	Reciprocal homologous junctions generated in mouse cells. <b>1991</b> , 227, 356-60	3
1747	The <i>Escherichia coli</i> recA gene increases resistance of the yeast <i>Saccharomyces cerevisiae</i> to ionizing and ultraviolet radiation. <b>1991</b> , 227, 473-80	13
1746	The mechanism of extrachromosomal homologous DNA recombination in plant cells. <b>1991</b> , 230, 1-7	32
1745	Homologous recombination between plasmid DNA molecules in maize protoplasts. <b>1991</b> , 230, 209-18	28
1744	Repair of gamma ray-induced S1 nuclease hypersensitive sites in yeast depends on homologous mitotic recombination and a RAD18-dependent function. <b>1991</b> , 20, 33-7	23
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1740	Repair of potentially lethal damage by introduction of T4 DNA ligase in eucaryotic cells. <b>1991</b> , 59, 963-71	9
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1731	Trans and cis requirements for intron mobility in a prokaryotic system. <b>1992</b> , 6, 1269-79	36
1730	Phenol-treatment and a homologous pairing-assay. <b>1992</b> , 20, 3679-84	2
1729	Interaction of drugs with branched DNA structures. <b>1992</b> , 27, 157-90	17
1728	New equations and a method for finding nine parameter values for two alleles at one locus to study gene conversion using <i>Ascobolus immersus</i> . <b>1992</b> , 35, 421-7	4
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1338	Suppression of crossing-over by DNA methylation in Ascobolus. <b>1998</b> , 12, 1381-9	154

1337	Mice with type 2 and 3 Gaucher disease point mutations generated by a single insertion mutagenesis procedure. <b>1998</b> , 95, 2503-8	90
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1324	Inhibition of poly(ADP-ribose)polymerase stimulates extrachromosomal homologous recombination in mouse Ltk-fibroblasts. <b>1999</b> , 27, 4526-31	14
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1322	Organization of human and mouse skeletal myosin heavy chain gene clusters is highly conserved. <b>1999</b> , 96, 2958-63	158
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