

## PATENTS

## Recent patents in genomics

Patent #	Subject	Assignee	Author	Date	Status
WO 200014200	An isolated nucleic acid molecule encoding bacterial yphC and yqjK polypeptides that hybridizes under stringent conditions to genomic DNA; useful for identifying antibacterial agents for treating mammalian bacterial infections, preferably <i>Streptococcus pneumoniae</i> .	Millennium Pharmaceutical (Cambridge, MA)	Fritz C; Guzman L; Youngman P	3/16/2000	A2
WO 200014234	Gene therapy for prostate cancer in humans, comprising the administration of a promoter for prostate specific transglutaminase gene operably linked to specific genes. A nucleic acid probe of a sequence selected from prostate specific transglutaminase can be used to screen a human genomic library.	UroCor (Oklahoma City, OK)	An G; Veltri R	3/16/2000	A1
WO 200012734	A maize Ac/Ds transposable element system useful for introducing recombinant expression cassettes into a plant, for delivering transgenes to new genomic locations and transposon tagging of genes in small grains cereals including barley, wheat, and oats.	Regents of the Univ. of California (Berkeley, CA)	Kopreck T, Lemaux P, McElroy D	3/9/2000	A1
WO 200012711	A human membrane channel protein and polynucleotide useful for diagnosing and treating cell proliferative, inflammatory, secretory, osmoregulatory, muscular, cardiovascular, and neurological disorders, as well as for generating hybridization probes that can be used to map naturally occurring genomic sequences.	Incyte Pharmaceuticals (Palo Alto, CA)	Au-Young J, Azimzai Y, Bandman O, Baughn MR, Corley NC, Gorgone, GA, Guegler KJ, Hillman JL, Lal P, Reddy R, Tang YT, Yue H	3/9/2000	A2
WO 200012703	A human protein transport-associated polypeptide and polynucleotide useful for the diagnosis, prevention, and treatment of cell proliferative and secretory disorders such as leukemia and cystic fibrosis, as well as for generating hybridization probes useful in mapping the naturally occurring genomic sequences.	Incyte Pharmaceuticals (Palo Alto, CA)	Bandman O, Baughn MR, Corley NC, Gorgone, GA, Guegler KJ, Lal P, Patterson C, Tang YT, Yue H	3/9/2000	A2
US 6033854	Determining the relative copy number of a target nucleic acid by amplifying and comparing target and reference sequences. The method is used to detect alterations (deletions or amplifications) of genomic sequences, e.g., for diagnosis and monitoring of cancers or genetic diseases associated with dosage anomalies.	Biotronics (Lowell, MA)	Chiang P, Kurnit DM, Wang CJ	3/7/2000	A
WO 200010602	Use of lats proteins, complexes of lats and cdc2 for treating cancer that is refractory to treatment by standard chemotherapy and radiation therapy, and disorders associated with aberrant levels of cdc2 activity.	Yale University (New Haven, CT)	Fei X, Fukumoto RK, St. John MAR, Stewart RA, Tao W, Turenchalk GS, Xu T, Zhang S	3/2/2000	A1
WO 200011169	Human cell signaling proteins and polynucleotides useful for the diagnosis, prevention and treatment of neoplastic, neurological, immunological, vesicle trafficking, and smooth muscle disorders, as well as for generating hybridization probes useful in mapping the naturally occurring genomic sequences.	Incyte Pharmaceuticals (Palo Alto, CA)	Baughn MR, Corley NC, Guegler KJ, Patterson C, Tang YT	3/2/2000	A2
WO 200011150	Human cell surface immunomodulatory polypeptides and polynucleotides useful for the diagnosis, prevention, and treatment of cancer and immune disorders, and for generating hybridization probes useful in mapping the naturally occurring genomic sequences.	Incyte Pharmaceuticals (Palo Alto, CA)	Baughn MR, Corley NC, Gorgone, GA, Guegler KJ, Lal P, Patterson C	3/2/2000	A1
JP 2000063154	Glass plates coated with a polymer containing a carboxylic functional group; useful for fixing nucleic acid for performing hybridization in nucleic acid analysis, such as gene sequencing, diagnosis of infectious or hereditary diseases, monitoring gene expression, and mapping genomic DNA.	Mitsubishi Chemical Corp. (Tokyo)	—	2/29/2000	A

Source: Derwent Information, Alexandria, VA. \*The patents in the table are pending. The status of each application is slightly different from country to country. For further details, contact Derwent Information, 1725 Duke St., Suite 250, Alexandria, VA 22314. Tel: 1 (800) DERWENT (info@derwent.com).