

Recent patent applications in gene expression

Patent #	Subject	Assignee(s)	Inventor(s)	Priority application date	Publication date
US 20050227326	A method of producing a recombinant protein in a yeast cell, comprising obtaining a vector into which a gene encoding the target protein has been inserted, where the modification results in a significant reduction in gene expression.	Colussi PA; Taron CH; New England Biolabs (Ipswich, MA, USA)	Colussi PA, Taron CH	4/8/2004	10/13/2005
US 20050221293	A novel isolated single-stranded DNA virus microRNA molecule comprising moieties having contiguous bases bonded to backbone units, on a molecular backbone having backbone units; useful for controlling gene expression in organisms.	Pfeffer S; Tuschl TH	Pfeffer S, Tuschl TH	8/24/2004	10/6/2005
WO 200590562	A novel, moderately low-temperature, transcriptional-regulation element comprising a defined nucleotide sequence that is capable of promoting gene expression; useful for producing proteins by recombinant DNA techniques.	Fujita J	Fujita J	3/23/2004	9/29/2005
US 20050214823	A probe array comprising specified nucleic acid probes; useful for measuring gene expression of different multiple mature isoforms of RNA from mouse genes.	Affymetrix (Santa Clara, CA, USA)	Blume JE, Williams AJ	1/13/2004	9/29/2005
US 20050214309	A method for modulating transcription factor-mediated gene expression by exposing the transcription factor to an inhibitory agent that binds to a linker domain of the transcription factor; useful for treating neoplasia.	Bridge JA, Hinrichs SH, Olsan RJ	Bridge JA, Hinrichs SH, Olsan RJ	3/6/2000	9/29/2005
WO 200588513	A method for classifying a test tissue sample involving calculating the extent of dissimilarity between a gene expression vector and a gene expression matrix using algebraic expressions involving the eigenvector of the covariance matrix; useful for diagnosing genetic diseases.	Yissum Research Development Co. of the Hebrew Univ. of Jerusalem (Israel)	Smith Y	3/11/2004	9/22/2005
US 20050203709	A method of correcting errors in pair(s) of gene expression profiles, such as reducing inter-slide variations and improving measurement precision, accuracy, sensitivity and specificity, by adjusting the experimental profile to generate an error-adjusted experiment profile.	Weng L	Weng L	3/12/2004	9/15/2005
JP 2005245310	A method for real-time PCR gene expression analysis using a fluorescent material having a hydroxyl group, preferably 5- and/or 6-carboxy-X-rhodamine, as a passive internal reference; useful for the typing of single nucleotide polymorphisms, and food analysis.	Toyobo KK (Tokyo)	Ishida Y, Komatsubara S, Oka M, Segawa M	3/4/2004	9/15/2005
WO 200581635	A method for analyzing large-scale, multidimensional data, e.g., gene expression data, involving performing unsupervised analysis of data according to a distance matrix reordered using a weighting function.	Yeda Research and Development Co. Ltd. (Rehovot, Israel)	Domany E, Tsafrir D, Tsafrir I	3/1/2004	9/9/2005
WO 200583429	Use of gene expression profiles of patient biological samples for assessing breast cancer, staging breast cancer, determining breast cancer patient protocol, or treating breast cancer.	Veridex (Warren, NJ, USA)	Wang Y	12/8/2004	9/9/2005
US 20050196764	A method for detecting expression of a gene in a blood sample involving detecting the presence of RNA, cDNA or an expressed sequence tag complementary to a gene expressed in heart tissue; useful for diagnosis of disease.	ChondroGene (Toronto, ON, Canada)	Liew C	1/6/1999	9/8/2005
WO 200580546	A sensor device for detecting an analyte in a sample, comprising a sample, a first permeable polymeric hydrogel plate and a first spacer plate, an anode, a cathode, a voltage generator and a detector; useful for monitoring gene expression in single cells.	Moyle WR	Moyle WR, Scaduto RC	4/30/2003	9/1/2005

Source: Thomson Scientific Search Service (formerly Derwent). The status of each application is slightly different from country to country. For further details, contact Thomson Scientific, 1725 Duke Street, Suite 250, Alexandria, Virginia 22314, USA. Tel: 1 (800) DERWENT (<http://www.thomson.com/scientific>).