

Recent patent applications in gene expression

Patent number	Description	Assignee	Inventor	Priority application date	Publication date
EP 2518500	A method of determining the developmental toxicity of a compound, comprising, e.g., contacting a specified cell-stage fish embryo with the compound, isolating RNA, determining the expression level of a gene, e.g., <i>hspb12</i> , and comparing with a predetermined reference value.	Academic Hospital Maastricht (Maastricht, The Netherlands), Maastricht University, Netherlands National Institute for Public Health and the Environment (Bilthoven, The Netherlands)	Hermesen SAB, Pennings JLA, Piersma AH, Pronk TE	4/27/2011	10/31/2012
JP 2012206947	A composition comprising plants, particularly <i>Psophocarpus tetragonolobus</i> (winged-bean) of Leguminosae family or its extract, used for oral delayed hypersensitivity and gene expression suppression of gastritis-related factor, particularly macrophage migration inhibitory factor and CD74.	Shiseido Co. (Tokyo)	Muta K, Shibata M, Tsuji Y, Yokoo M	3/29/2011	10/25/2012
JP 2012196161	A method of determining or predicting the toxicity of a test chemical substance, comprising making a remainder reference sample while two or more experimental animals or cell samples derived from liver are prepared, and measuring the gene-expression level.	Medichrome (Tokyo)	Imai J, Kawamura M, Watanabe S	3/18/2011	10/18/2012
WO 2012141876	Pharmaceutical, nutraceutical or food composition or dietary supplement comprising isoflavones used, e.g., for regulating sirtuin gene expression, mimicking caloric restriction, and preventing and treating Alzheimer's disease in humans.	Nestec (Vevey, Switzerland)	Middleton RP, Pan Y	4/15/2011	10/18/2012
WO 2012142349	A method of predicting responsiveness of a patient afflicted with metastatic breast cancer to therapy with vascular endothelial growth factor (VEGF) inhibitor, comprising determining the expression level of a biomarker, e.g., VEGF in a sample.	Nuclea Biotechnologies (Pittsfield, MA, USA)	Muraca PJ	4/15/2011	10/18/2012
WO 2012142401	An expression vector comprising a nucleic acid sequence encoding the tryptophan promoter-operator, the Ras opposite promoter/gene, a purification tag sequence and a protease cleavage site, and multiple cloning site; useful for producing fusion proteins.	Johns Hopkins University (Baltimore)	Giza PE, Huang RCC	4/15/2011	10/18/2012
US 20120258998	A method for treating or preventing gastrointestinal cancer involving inhibiting the expression of cluster of differentiation 44 (CD44)-solute carrier family 1 (glial high-affinity glutamate transporter), member 2 (SLC1A2) fusion gene or its functional variant, or inhibiting the activity of fusion protein encoded by the CD44-SLC1A2 fusion gene or its functional variant.	Tan P, Tao J	Tan P, Tao J	4/5/2011	10/11/2012
CN 102622534	A DNA gene expression detection test sequence data correction method, involving obtaining a gene expression value from a collected gene chip test, determining gene expression in the model by calculating gene expression-measured value-correlation degree, and determining the largest correlation value and a mode parameter value to generate a corrected gene expression value.	Harbin Engineering University (Harbin, China)	Feng W, He B, Luan X, Wang K	4/11/2011	8/1/2012
CN 102604950	A small interfering RNA comprising specific base pair sequences; useful for inhibiting the expression of D-amino acid oxidase gene used for preparing medicine for treating pain and schizophrenia.	Shanghai Jiao Tong University (Shanghai)	Chen X, Li X, Wang Y	9/26/2011	7/25/2012
CN 102604947	Pig adipose tissue specificity mosaic promoter comprising a specified nucleotide sequence; useful for controlling gene expression in pig adipose tissue.	Huazhong Agricultural University (Wuhan, China)	Jiang S, Li F	1/24/2011	7/25/2012

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