

Recent patent applications in gene expression

Patent number	Description	Assignee	Inventor	Priority application date	Publication date
WO 2011020163	A new nucleic acid molecule including a nucleotide sequence containing specific nucleotide base pairs; useful for forming a promoter for regulating transcription of a gene in a plant in anoxic conditions.	Macquarie University (North Ryde, NSW, Australia)	Atwell B	8/21/2009	2/24/2011
WO 2011020874	The use of very late antigen-4 (VLA-4) integrin antagonist or an inhibitor of expression of a gene encoding VLA-4 integrin subunit; for the treatment of Duchenne muscular dystrophy.	INSERM (Paris)	Butler-Browne G, Dayse Silva-Barbosa S, Pinto-Maris F, Prufer de Queiroz Campos Araújo A, Rodrigues Carvalho L, Savino W, Voit T	8/20/2009	2/24/2011
WO 2011021171	A nucleic acid construct comprising a polynucleotide expressing a nucleic acid agent, downregulating expression of a gene product of an insect pathogen. The polynucleotide is operably linked to a <i>cis</i> -regulatory element operable in plants; useful for producing a plant for protecting insects against infection by a pathogen.	Beeologics (Miami, FL, USA)	Ben-Chanoch E, Paldi N, Yarden G	8/21/2009	2/24/2011
WO 2011021386	A method of diagnosing cancer or a predisposition for developing cancer in a subject comprising determining an expression level of cleavage stimulation factor, 3' pre-RNA, subunit 2 (CSTF2) gene in a subject-derived biological sample.	Oncotherapy Science (Kanagawa, Japan)	Daigo Y, Nakamura Y, Tsunoda T	8/21/2009	2/24/2011
WO 2011020049	A method of monitoring whether a patient who has received at least one dose of a vascular endothelial cell growth factor (VEGF) antagonist will respond to treatment with VEGF antagonist, comprising detecting the expression of a specific gene and comparing expression levels.	Genentech (S. San Francisco, CA, USA), Hoffmann La Roche & Co. (Basel, Switzerland)	Bais C, Brauer M, Kaminker J, Singh M	8/14/2009	2/17/2011
JP 2011030491	A method for accelerating generation of soybeans, involves extracting RNA from proliferation host infected by recombinant apple latent spherical virus (FT-ALSV) that expresses <i>Arabidopsis thaliana FT</i> gene and introducing the extracted RNA into cotyledon of soybean sprout of VE (emergence) stage by using particle gun process.	Iwate University (Morioka, Japan)	Yamagishi N, Yoshikawa N	7/31/2009	2/17/2011
WO 2011018766	A method of generating rational libraries useful for expressing genes by providing a genetic element to be optimized, amplifying the obtained pool of genetic element variants and transforming the obtained final library into eukaryotic cells.	Unitargeting Research (Bergen, Norway)	Pryme IF, Ravneberg H, Stern B	8/12/2009	2/17/2011
US 20110035839	A new recombinant DNA construct comprising transcribable engineered microRNA precursor; useful for providing altered plant tissue in a regenerated transgenic crop plant and suppressing the expression of a target sequence in plant cells.	Allen E, Frizzi A, Gilbertson LA, Guo L, Heisel SE, Houmard N, Huang S, Kovalic DK, Leuthy MH, Lutfiyya L, Malvar T, Miller PW, Roberts JK, Zhang Y	Allen E, Frizzi A, Gilbertson LA, Guo L, Heisel SE, Houmard N, Huang S, Kovalic DK, Leuthy MH, Lutfiyya L, Malvar T, Miller PW, Roberts JK, Zhang Y	12/21/2004	2/10/2011
WO 2011017408	A method of modulating gene expression in a skin cell involving administering to the cell a therapeutic composition to modulate the expression of a miR-1 gene product.	Ohio State University Research Foundation (Columbus, OH, USA)	Goldberg-Shilo S, Roy S, Sen CK	8/5/2009	2/10/2011
WO 2011017521	A new bicyclic nucleoside analog comprising a six-membered ring having five carbon atoms and one heteroatom; useful as a gene expression inhibitor to prepare oligomeric compounds, which are useful as primers and probes in diagnostic applications.	Isis Pharmaceuticals (Carlsbad, VA, USA)	Han M, Migawa MT, Ross BS, Seth PP, Song Q, Swayze EE	8/6/2009	2/10/2011

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