

Title (en)

A METHOD FOR THE CONSTRUCTION OF CANCER-SPECIFIC PROMOTERS USING FUNCTIONAL GENOMICS

Title (de)

VERFAHREN ZUR KONSTRUKTION KREBSSPEZIFISCHER PROMOTOREN UNTER VERWENDUNG FUNKTIONELLER GENOMIK

Title (fr)

PROCÉDÉ DESTINÉ À CONSTRUIRE DES PROMOTEURS SPÉCIFIQUES DU CANCER UTILISANT LA GÉNOMIQUE FONCTIONNELLE

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Application

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Abstract (en)

[origin: WO2008107725A1] The present invention relates to a method of producing a promoter element capable of regulating gene expression in a cell or tissue type of interest, said method comprising: (g) providing a plurality of transcription factor regulatory elements that are associated with genes that are expressed in said cell or tissue type; (h) constructing a library of expression vectors, wherein each vector comprises two or more of said transcription factor regulatory elements of (a) and a minimal promoter operably linked to an antibiotic resistance gene; (i) transfecting cells of the cell or tissue type of interest with vectors from said library (b); (j) culturing said cells under conditions suitable for gene expression and screening said cells for antibiotic resistance; and (k) identifying vectors in which the antibiotic resistance gene is expressed, thereby identifying a promoter element capable of regulating gene expression in the cell or tissue type of interest.

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