Title (en)

METHODS FOR OPTIMIZATION OF GENE THERAPY BY RECURSIVE SEQUENCE SHUFFLING AND SELECTION

Title (de)

METHODEN ZUR OPTIMIERUNG DER GENTHERAPIE MITTELS REKURSIVEN SEQUENZSHUFFLINGS UND SELEKTION

Title (fr)

PROCEDES PERMETTANT L'OPTIMISATION DE LA THERAPIE GENIQUE GRACE A UN REARRANGEMENT ET UNE SELECTION RECURSIFS DE SEQUENCES

Publication

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Application

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Abstract (en)

[origin: WO9813485A1] The invention provides methods of evolving nucleic acids for use in gene therapy by recursive sequence recombination. Many of the methods evolve vectors, both viral and nonviral, to have improved properties. For example, vectors are evolved to have improved properties of viral titer, infectivity, expression of a gene within a vector, tissue specificity, viral genome capacity, episomal retention, lack of immunogenicity of the vectors or an expression product thereof, site-specific integration, increased stability, or capacity to confer cellular resistance to microorganism infection. The invention further provides an isolated O<6>-methylguanine-DNA methyltransferase (MGMT) enzyme.

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 9813485A1

Cited by

US6764835B2; US6605449B1; USRE45349E

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