

UNIVARIANT EXTRINSIC INITIATOR CONTROL SYSTEM FOR MICROBES
AND AN *IN VITRO* ASSEMBLY OF LARGE RECOMBINANT DNA
MOLECULES FROM MULTIPLE COMPONENTS

ABSTRACT OF THE DISCLOSURE

5 The invention provides, *inter alia*, a nucleic acid (*e.g.* expression vector) that
comprises at least a first coding sequence and a second coding sequence. Each
conding sequence is under the control of an inducible promoter of defined strength.
Different promoters can have different strengths. Each promoter is responsive to the
same inducer. The invention also provides: methods of expressing coding regions,
10 methods of making a product of a multi-enzyme pathway, and methods of
optimizing the yield of a product of a multi-enzyme metabolic pathway using the
nucleic acids provided by the invention. Also disclosed is a method of non-
enzymatic gene cloning useful for practicing the invention.

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(FIG. 2)