

# Fidelity Systems Incorporated

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Tools for Advanced DNA Sequencing

## Recent Publications by Fidelity Systems Incorporated:



- [Methoxyoxalamido chemistry in the synthesis of tethered phosphoramidites and functionalized oligonucleotides.](#)  
*A general approach to phosphoramidites tethered with single and multiple...*9th August, 2008  
Fidelity Systems, Inc., Gaithersburg, Maryland, USA.- *Curr Protoc Nucleic Acid Chem.* 2006 Jul;Chapter 4:Unit 4.29. ([DOI Direct Link](#))
- [Recent developments in the optimization of thermostable DNA polymerases for efficient applications.](#)  
*We have developed a general route to the synthesis of novel amino linker...*29th April, 2005  
Fidelity Systems Inc., 7961 Cessna Avenue, Gaithersburg, Maryland 20879,- *Trends Biotechnol.* 2004 May;22(5):253-60. ([DOI Direct Link](#))
- [Methoxyoxalamido chemistry in the synthesis of novel amino linker and spacer phosphoramidites: a robust means for stability, structural versatility, and optimal tether length.](#)  
*We have developed a general route to the synthesis of novel amino linker...*17th December, 2004  
Fidelity Systems Inc., 7961 Cessna Avenue, Gaithersburg, MD 20879, USA.- *Bioconjug Chem.* 2004 May-Jun;15(3):569-75. ([DOI Direct Link](#))
- [High-throughput production of optimized primers \(fimers\) for whole-genome direct sequencing.](#)  
*Fimers are specifically modified primers selected to inhibit nonspecific...*17th November, 2004  
Fidelity Systems Inc., Gaithersburg, MD, USA- *Methods Mol Biol.* 2005;288:291-304.
- [Biotin-labeled oligonucleotides with extraordinarily long tethering arms.](#)  
*We describe synthesis of four novel biotin phosphoramidites with tethering...*17th November, 2004  
Fidelity Systems Inc., Gaithersburg, MD, USA.- *Methods Mol Biol.* 2005;288:225-40.

- [Finishing "working draft" BAC projects by directed sequencing with ThermoFidelase and Fimers.](#)  
We have developed a general route to the synthesis of novel amino linker...20th May, 2004  
Fidelity Systems Inc., Gaithersburg, MD, USA.- Methods Mol Biol. 2004;255:295-308. ([DOI Direct Link](#))
- [Use of Fimers to eliminate polymerase chain reaction and primer-dimer artifacts and to increase yield in BAC-sequencing reactions.](#)  
We have developed a general route to the synthesis of novel amino linker...20th May, 2004  
Fidelity Systems Inc., Gaithersburg, MD, USA.- Methods Mol Biol. 2004;255:221-9. ([DOI Direct Link](#))
- [Novel biotin phosphoramidites with super-long tethering arms.](#)  
A number of novel biotin phosphoramidites, possessing exceptionally long...12th December, 2003  
Fidelity Systems, Inc., Gaithersburg, Maryland 20879, USA.- Nucleosides Nucleotides Nucleic Acids. 2003 May-Aug;22(5-8):1439-41.
- [Stability, vigor, and inherent versatility of novel amino linker and spacer phosphoramidites.](#)  
Novel amino linker and spacer phosphoramidites were synthesized from...12th December, 2003  
Fidelity Systems, Inc., Gaithersburg, Maryland 20879, USA.- Nucleosides Nucleotides Nucleic Acids. 2003 May-Aug;22(5-8):1407-9.
- [Helix-hairpin-helix motifs confer salt resistance and processivity on chimeric DNA polymerases.](#)  
Helix-hairpin-helix (HhH) is a widespread motif involved in...5th December, 2002  
Fidelity Systems, Inc., 7961 Cessna Avenue, Gaithersburg, MD 20879, USA.- Proc Natl Acad Sci U S A. 2002 Oct 15;99(21):13510-5. Epub 2002 Oct 4. ([DOI Direct Link](#))

## BioNews Results for Fidelity Systems Incorporated



- [Fidelity Independent Adviser Bets on Biotechnology](#)  
PR inside: Aug 4 2008 8:28PM Matching: fidelity systems
- [NBR Transcripts- Tuesday, July 22, 2008](#)  
PBS: Jul 23 2008 3:04PM Matching: fidelity systems

## Fidelity Systems Incorporated Patents:



- 6747142- [Multiple methoxyoxalamido and succinimido precursors for nucleophilic addition](#)
- 6548251- [Inhibition of molecular and biological processes using modified oligonucleotides](#)
- 5902879- [Methoxyoxalamido and succinimido precursors for nucleophilic addition to nucleosides, nucleotides and oligonucleotides](#)
- 5656463- [Thermostable DNA topoisomerase V from Methanopyrus kandleri](#)

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