

PREMIER Biosoft International Releases version 2.00 of PrimerPlex with Support for Using Proven Pre-designed oligos and Analyzing SNPs of Medium-sized Genomes

Date: 06-02-2009 07:46 PM CET

Category: [Science & Education](#)

Press release from: [PREMIER Biosoft International](#)



Palo Alto, California – May 18, 2009, PREMIER Biosoft International today announced the release of PrimerPlex version 2.00. PrimerPlex designs custom oligos for high-throughput detection of nucleic acid sequences for Luminex 100, Luminex 200 and Bio-Plex 200 suspension array systems. The systems are based on Luminex's bead array based xMAP[®] technology.

PrimerPlex can now use pre-designed well proven oligos to build a multiplex set. A user begins by specifying the oligos for each sequence, for the sequences where pre-designed oligos are not available, PrimerPlex designs them, checks them for multiplexing and highlights compatibility issues if any. The user can then decide to accept the design or create a separate pool. This functionality gives complete control in the hands of the user.

With this release, the program now also supports a database of MicroPlex xTAGs (formerly known as FlexMAP TAGs) for automatic addition of appropriate tags to each sequence. The tags are so chosen that they minimize dimerization and do not fold back on the oligos they are attached to. In addition, a user can override the program's recommendation and select their own. The functionality is available for both, Allele Specific Primer Extension (ASPE) primers and capture probes.

"PrimerPlex is the only tool available for multiplex nucleic acid applications of xMAP[®] technology such as SNP analysis, pathogen detection, strain typing, haplotyping, and gene expression. With this release, we have taken a step further in making a more comprehensive solution available," said Kay Brown, V.P. Business Development and Marketing.

Amongst a host of other improvements, the program now supports loading of rsID sequences, mutations such as DIPs (Deletion/Insertion Polymorphisms), MNPs (Multiple Nucleotide Polymorphisms) etc and can simultaneously process multiple SNPs for large genomic sequences, reporting overlapping designs if any.

For details, please visit: www.premierbiosoft.com/primerplex/index.html

About PREMIER Biosoft International:

Founded in 1994, the company is a group of computer scientists and molecular biologists dedicated to producing cutting-edge intuitive software for the molecular biologist. The goal of the company is to study the most recent innovations in molecular biology and translate them into software products that aid biologists. Additional information about PREMIER Biosoft International is available at www.PremierBiosoft.com

Contact:

Arun Apte

PREMIER Biosoft International

650-856-2703

www.PremierBiosoft.com

PREMIER Biosoft International, Founded in 1994, is a group of computer scientists and molecular biologists dedicated to producing cutting edge intuitive software for the molecular biologist. Our goal is to study the most recent innovations in molecular biology and translate them into software products that aid the biologist.

PREMIER Biosoft International
3786 Corina Way
Palo Alto CA 94303-4504
USA
Phone: 888-847-7494
Fax: 650-618-1773

[You can find this press release here](#)