Primer Bank
PCR Primers for Gene Expression Detection and Quantification

Primer Search

**Search for PCR Primers**

**Order Oligos**
You can have primers synthesized and PCR reaction products sequenced at:

DNA Core Facility
Center for Computational and Integrative Biology

PrimerBank is a public resource for PCR primers. These primers are designed for gene expression detection or quantification (real-time PCR). PrimerBank contains over 366,000 primers covering most known human and mouse genes. There are several ways to search for primers: GenBank Accession, NCBI protein accession, NCBI Gene ID, Gene Symbol™, PrimerBank ID or Keyword (gene description) or you can blast your gene sequence against the primerbank sequence DB here.

The primer design algorithm has been extensively tested by real-time PCR experiments for PCR specificity and efficiency. We have tested 26,655 primer pairs that correspond to 27,061 mouse genes by Real Time PCR followed by agarose gel electrophoresis and sequencing of the PCR products. The design success rate is 98.8% (25,157 successful primer pairs) based on agarose gel electrophoresis.


Send email to bioinformatics@cell.mgh.harvard.edu with questions or comments about this web site.

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