Simplified amplification for targeted resequencing

*that's GOOD science!*

PrimeSTAR® GXL DNA Polymerase

Targeted resequencing interrogates a specific genomic region of interest by next-generation sequencing, allowing rapid investigation. The choice of polymerase used for amplification is critical—particularly when identifying SNVs (which requires high fidelity) and when combining long-range PCR with NGS (which requires high processivity). For maximum efficiency, amplifying multiple targets ideally requires minimal target-specific optimization of reaction conditions.

PrimeSTAR GXL DNA Polymerase addresses each of these requirements to help you achieve success with targeted resequencing experiments.
PrimeSTAR GXL polymerase has:

- high fidelity to allow SNV detection
- high processivity for long-range PCR
- hassle-free amplification capabilities even with GC-rich, AT-rich, or repetitive regions

Don't take our word for it. See how other researchers have used PrimeSTAR GXL polymerase in successful targeted resequencing experiments.
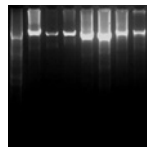
Read a Case Study describing research by scientists at the University of Southern California comparing PrimeSTAR GXL polymerase to other enzymes in a targeted sequencing workflow. PrimeSTAR GXL polymerase was unique among other polymerases tested in its ability to successfully amplify the entire *BRCA1* (83.2 kb) and *BRCA2* (84.2 kb) genes, prior to NGS with the Illumina® MiSeq® system.

www.clontech.com/primestar-gxl-targeted-resequencing
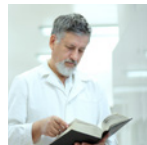
Read References in which PrimeSTAR GXL was used in NGS workflows for a variety of applications to successfully identify candidate genes for Juvenile myelomonocytic leukemia (Illumina HiSeq®), HLA genotyping (Illumina MiSeq), and sequencing the repetitive *virB6* locus of a tick-borne pathogen (PacBio RS).

www.clontech.com/targeted-resequencing-citations

Buy Now

Learn More about PrimeSTAR GXL DNA Polymerase: see specifications and read the User Manual.

www.clontech.com/primestar-gxl

Simplified, successful targeted resequencing workflows with PrimeSTAR GXL DNA Polymerase