

RECOMBINANT DNA TECHNOLOGY

Terms	Definition
Agarose gel electrophoresis	
Annealing	
Antibiotic resistant gene	
Antibiotic sensitive gene	
Autoradiography	
Bacterial colonies	
Bacterial strains	
Bacterial Transformation	
Blunt ends	
cDNA	
cDNA library	
Chimeric mouse	

Chromosomal DNA	
Cloning	
Cloning by hybridization	
Colonies	
ddNTP	
Denatured DNA	
Di-deoxy DNA sequencing method	
DNA amplification	
DNA fingerprinting	
DNA ligase	
DNA methylase	
DNA sequencing	
DNA template	
dNTP	

Embryonic stem cells	
Eukaryotic expression system	
Gene therapy	
Genetic Engineering	
Genetic Polymorphisms	
Genetically engineered animal models	
Genetically modified food	
Genomic Library	
Genotyping	
Germ line mutation	
Hybridization	
Insert	
IVF	
Knock out animals	

Ligation	
Mature mRNA	
Minimal media	
mRNA	
Multiple cloning sites	
Negative selection of recombinant clones	
Oligonucleotide probe / primer	
Open reading frame	
Orientation of insert	
Origin of replication (Ori)	
Overhangs (5' and 3')	
Palindrome	
Partial Digestion	
Plasmid / vector	

Polymerase chain reaction (PCR)	
Positive selection of recombinant clones	
Pre mRNA	
Pre-implantation genetic diagnosis	
Primer binding site	
Primers	
Probe	
Prokaryotic expression system	
Promoter	
Radioactive probe	
Recombinant clones	
Recombinant plasmid	
Replica plating	
Restriction enzyme	

Restriction enzyme recognition site	
Restriction mapping	
Reverse transcriptase	
RFLP	
Rich media	
SNIPS	
Splicing	
Splice sites	
Sticky ends	
Taq DNA polymerase	
Tissue specific promoter	
Transformation	
Transgenic mice	
Vector	

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