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# Appendices

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## Appendix 1: Further Readings

1. Molecular Cloning: A Laboratory Manual ([www.molecularcloning.com](http://www.molecularcloning.com)). 4th Edition. Green & Sambrook, Cold Spring Harbor Laboratory Press.
  - **This book is called the “Molecular Cloning Book,” is a must for cloners, and contains a lot of practical information.**
2. Gene Cloning and DNA Analysis: An Introduction. 6th Edition. T. A. Brown. Wiley-Blackwell Publishing.
  - **This is an introductory textbook covering the basic principles of cloning.**
3. PCR Primer: A Laboratory Manual. 2nd Edition. Dieffenbach & Dveksler. Cold Spring Harbor Laboratory Press
  - **This book, referred to as the “PCR Bible,” covers the principles, protocols and applications of PCR.**
4. <https://www.promega.com/resources/teaching-and-training/6-basics-of-molecular-cloning/>
  - **This webpage describes the basics of molecular cloning.**
5. <https://www.neb.com/products/restriction-endonucleases/restriction-endonucleases/restriction-endonucleases-molecular-cloning-and-beyond>
  - **This webpage describes the history and applications of restriction endonucleases.**
6. BioTechniques Molecular Biology Techniques Forum: <http://forums.biotechniques.com/>
  - **The DNA and General PCR Methods section lists questions regarding DNA cloning. As these questions are usually answered by cloning experts, the answers are trustworthy.**

7. Sharan et al. Recombineering: a homologous recombination-based method of genetic engineering. *Nat Protoc.* 4(2):206–23. (2009)  
– **This paper states the principles and detailed protocols of BAC recombineering.**

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## Appendix 2: Abbreviations

AmpR	Ampicillin Resistance gene
BAC	bacterial artificial chromosome
BB	bromophenol blue
BGH	bovine growth hormone
BLAST	Basic Local Alignment Search Tool
cDNA	complementary DNA
CMV	cytomegalovirus
Dam	DNA adenine methylase
Dcm	DNA cytosine methylase
EGFP	enhanced green fluorescent protein
KanR	Kanamycin Resistance gene
EST	expressed sequence tag
EtBr	ethidium bromide
GFP	green fluorescent protein
EGFP	enhanced green fluorescent protein
LB	Luria-Bertani
MCS	multiple cloning sites
NEB	New England Biolabs
NLS	nuclear localization sequence
ORF	open reading frame
RE	restriction enzyme
RT	reverse transcriptase or room temperature
SAP	shrimp alkaline phosphatase
SLIC	Sequence- and Ligation-independent Cloning
SV40	Simian virus 40
TAE	Tris-Acetate-EDTA
TBE	Tris-Borate-EDTA
TdT	terminal deoxynucleotidyl transferase
XC	xylene cyanol FF

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