

Literature directions for the initial test (dugga) 4 September 2015.

The following chapters and sections from the course text book Molecular Biology of the Gene, 7th edition, are included in the initial written test:

- The full chapters 1, 2, 3, 4, 5, 6 and 16 (excluded sections are listed below).
- Sections in chapter 7, covering the following techniques
Electrophoresis and restriction endonucleases: page 148-151 (...of DNA cloning.),
DNA cloning, transformation: page 154-155,
DNA sequencing: 158 (Nested sets of DNA...) -161 (...on a polyacrylamide gel).

The following paragraphs or sections are **excluded** from the reading list above for this initial test.

Chapter	paragraph starts with	page
1	Chromosome mapping	11-13
2	Avery's bombshell... Experimental evidence favors...	22-23 27-30
4	Box 4-1 Box 4-2 DNA topology Box 4-3	84 88 93-101 103
5	Box 5-1 Nucleotide substitutions... Directed evolution... Box 5-2	112 111-113 114 115
6	Protein domains	130-145
16	Proving the validity... The code is nearly universal	586-587 587-590