

- The aim of this lab:.....
- What does PCR optimization mean:

1. Your target is to amplified a promoter region of hTERT gene:

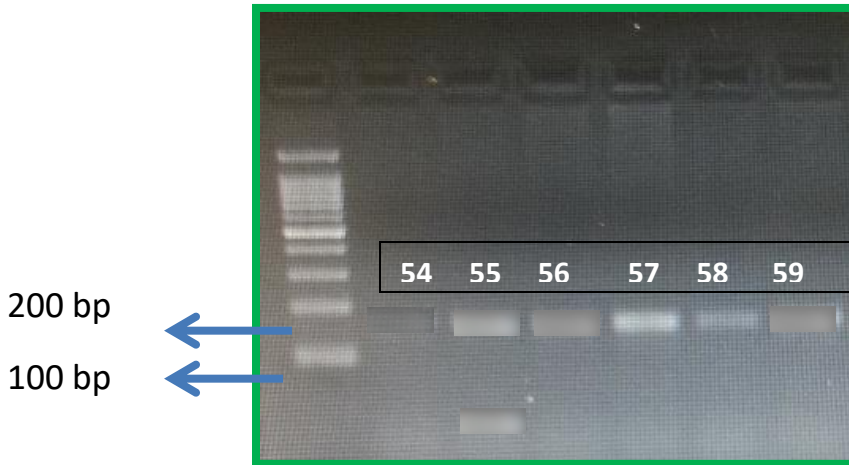
Primer sequence is as the following :

Forward primer: 5'-CAGCGCTGCCTGAAACTC-3', Tm: 58.6 ,length:18 bp CG=61.11%

Reverse primer: 5'- GTCCTGCCCTTCACCTT-3', Tm: 59 , length:18 bp CG=61.11%

Product size:163 bp

Results of annealing temperature optimization:



What is the best annealing temperature:.....

What do you think the agarose concentration in this experiment?

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What is the next step after you know the optimum temperature and concentrations of the PCR component?

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Write all the things that you did not understand in the PCR lab:

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