








## 7. Sample specification

Sample name	Sample content	Concentration	Used for / Saved where
Grøn 101	PCR of pSB1C3. Length around 1500bp and not 2000bp!	2.2 ng/uL	iGEM fridge
Grøn 104	PCR of pSB1C3, correct band length	58,9 ng/μL	iGEM fridge

## 8. Remarks on setup

## 9. Results and conclusions

### 31.07.13

Results for USER PCR. 50 μL was loaded in each well on a 1% agarose gel. Ladder: red.

Order of well load:

Red ladder

1) pSB1C3 til CPS

2) pSB1C3 til CPS

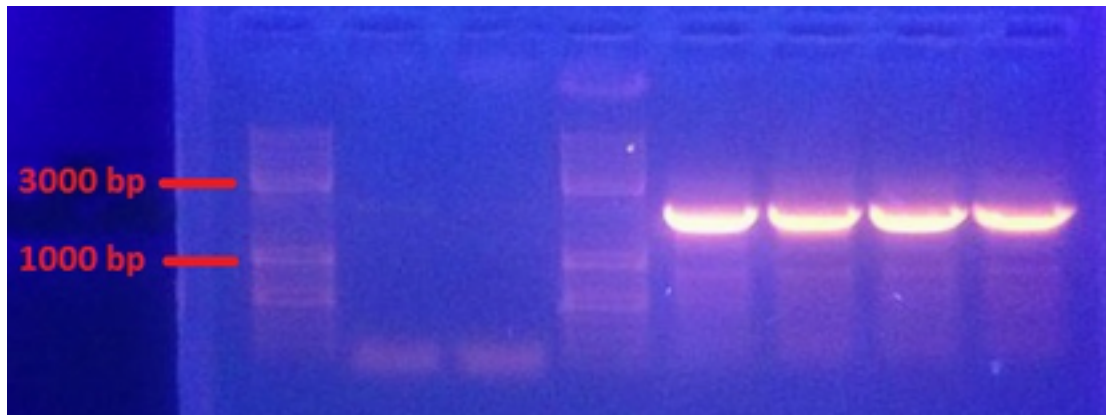
Red ladder

4) DXS B.sub til CPS with annealing temp. 49.8 deg

5) DXS B.sub til CPS with annealing temp. 52.1 deg

6) DXS B.sub til CPS with annealing temp. 54.7 deg

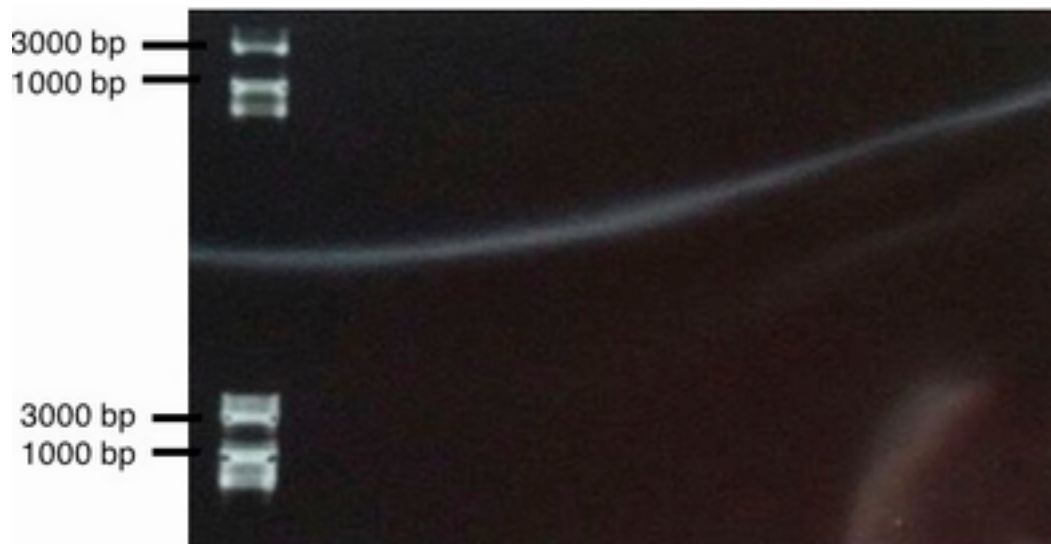
7) DXS B.sub til CPS with annealing temp. 56.8 deg



No bands appeared. A new USER PCR was performed over night.

### 13.08.02

Results for USER PCR run over night: 25 uL was loaded in each well on a 1,5% agarose gel. Ladder: red.



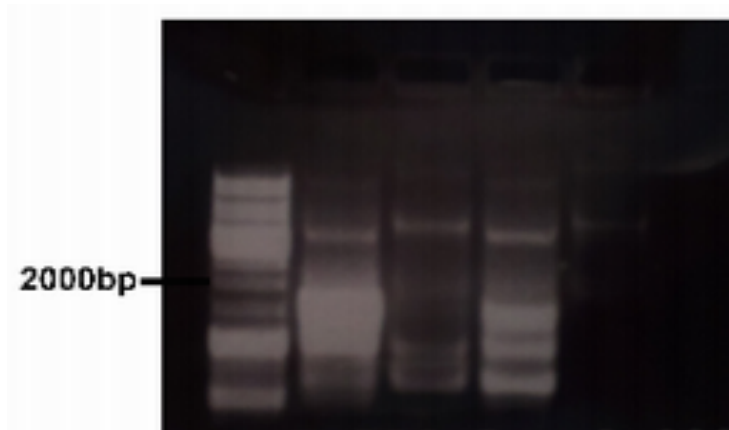
No bands appeared. A new PCR was performed.

Results for todays ordinary PCR:

25 uL was loaded in well 3 on a 1,5% agarose gel. No bands could be seen on the picture that was taken. Though, there was a band around 1500 bp and 3000 bp.

Results for todays touchdown PCR:

25 uL was loaded in well 2-5 on a 1,5% agarose gel. Well 1 contains red ladder.



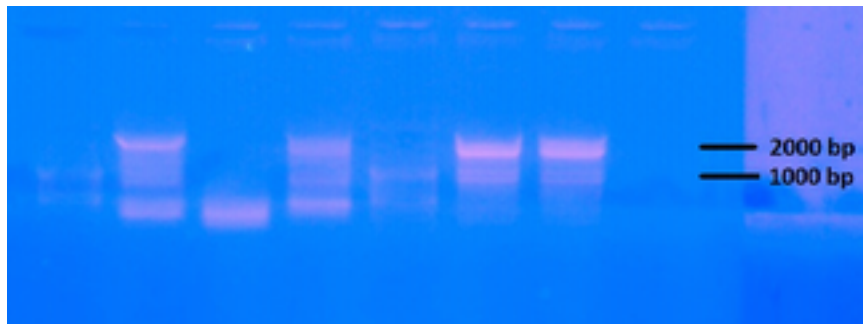
None of the bands had the appropriate length around 2000 bp.

### 13.08.05

Results for PCR:

50 uL was loaded in well 6, 7 and 8 on a 1% agarose gel. Bands appeared around 2000 bp for well 6 and 7. These bands were cut out and purified together as sample Grøn 104 with a concentration of 58,9 ng/ $\mu$ L. Well 8 showed a band around 300 bp (cannot be seen because of poor picture quality).

The ladder is 100 bp plus, loaded in well 1 and 5.



## 10. Appendices