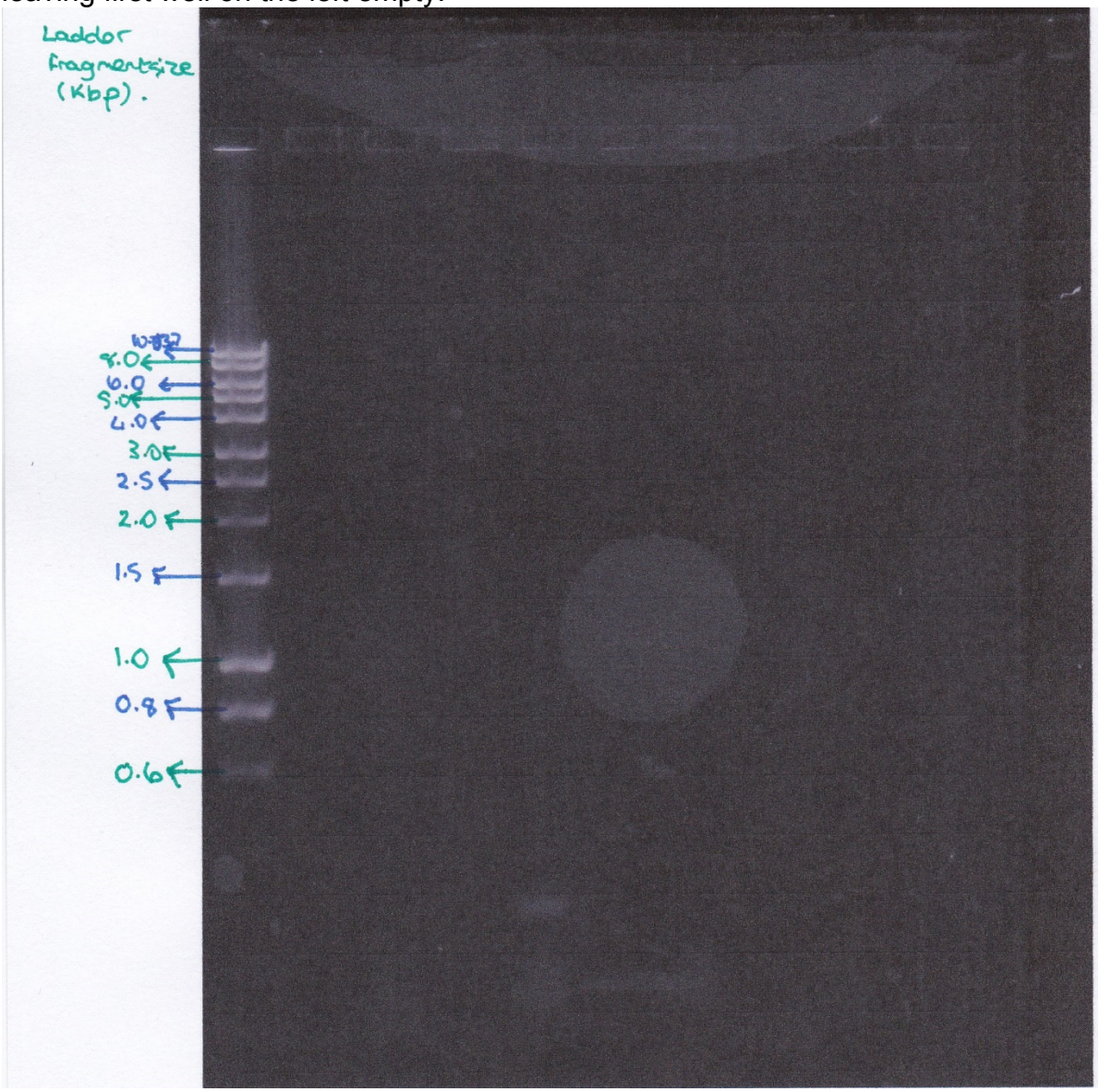
Tuesday 30th July

Agarose gel electrophoresis of 3rd PCR product

Eppendorf	DNA	Dye	TAE buffer
	Volume of component (µl)		
1 (Ladder)	5	3.5	11.5
2 (NorV 1)	5	3.5	11.5
3 (NorV 2)	5	3.5	11.5
4 (NrfA 1)	5	3.5	11.5
5 (NrfA 2)	5	3.5	11.5

Eppendorfs tube contents loaded onto the gel, leaving gaps between each well, also leaving first well on the left empty.



- Purification of NorV PCR product

Wednesday 31st July

PCR of purified NorV and whole cell NrfA

1. Preparation of primer working stock solution - 2µl of primer and 18µl of water.
2. Suspension of 2 separate colonies into 50µl of water, to act as NrfA template.

Eppendorf	Buffer	dNTP's	Primer-F	Primer-R	DNA template	Taq polymerase	Water
	Volume of component in each eppendorf (µl)						
1	5	5	1.5	1.5	0.1	0.5	35.9
2	5	5	1.5	1.5	1	0.5	35.0
3	5	5	1.5	1.5	0.1	0.5	35.9
4	5	5	1.5	1.5	1	0.5	35.0
5	5	5	1.5	1.5	0.1	0.5	35.9
6	5	5	1.5	1.5	1	0.5	35.0
7	5	5	1.5	1.5	0.1	0.5	35.9
8	5	5	1.5	1.5	1	0.5	35.0

Section of program	Time (minutes)	Temperature (°C)
Initial	15	95
Main cycle 39x		
Initial denaturation	0.5	94
Annealing	0.5	50
Extension	3.5	72
Final extension	20	72