PCR: LacZ1

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
LacZ1-F	TCGTGCGGTGGTTGAACTGCACAC
LacZ1-R	CGATTCATTGGCACCATGCCGTGG

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			2.0
10x Buffer	MasterAmp (2x) PCR Premix D		10.0
dNTPs			
Primer: **LacZ1-F**		10.0 µM	
Primer: **LacZ1-R**		10.0 µM	
Water			5.6
Taq Polymerase	50U/ul, Roche		0.4

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	300
Denaturation	94.0	60
Annealing	58.0	30
Elongation	72.0	60
Number of cycles (repeat denature, anneal & elgonate): **30**		
Strand completion (i.e. 72°C, 10 min)	72.0	300
Finish (i.e. 4°C, indefinite)		

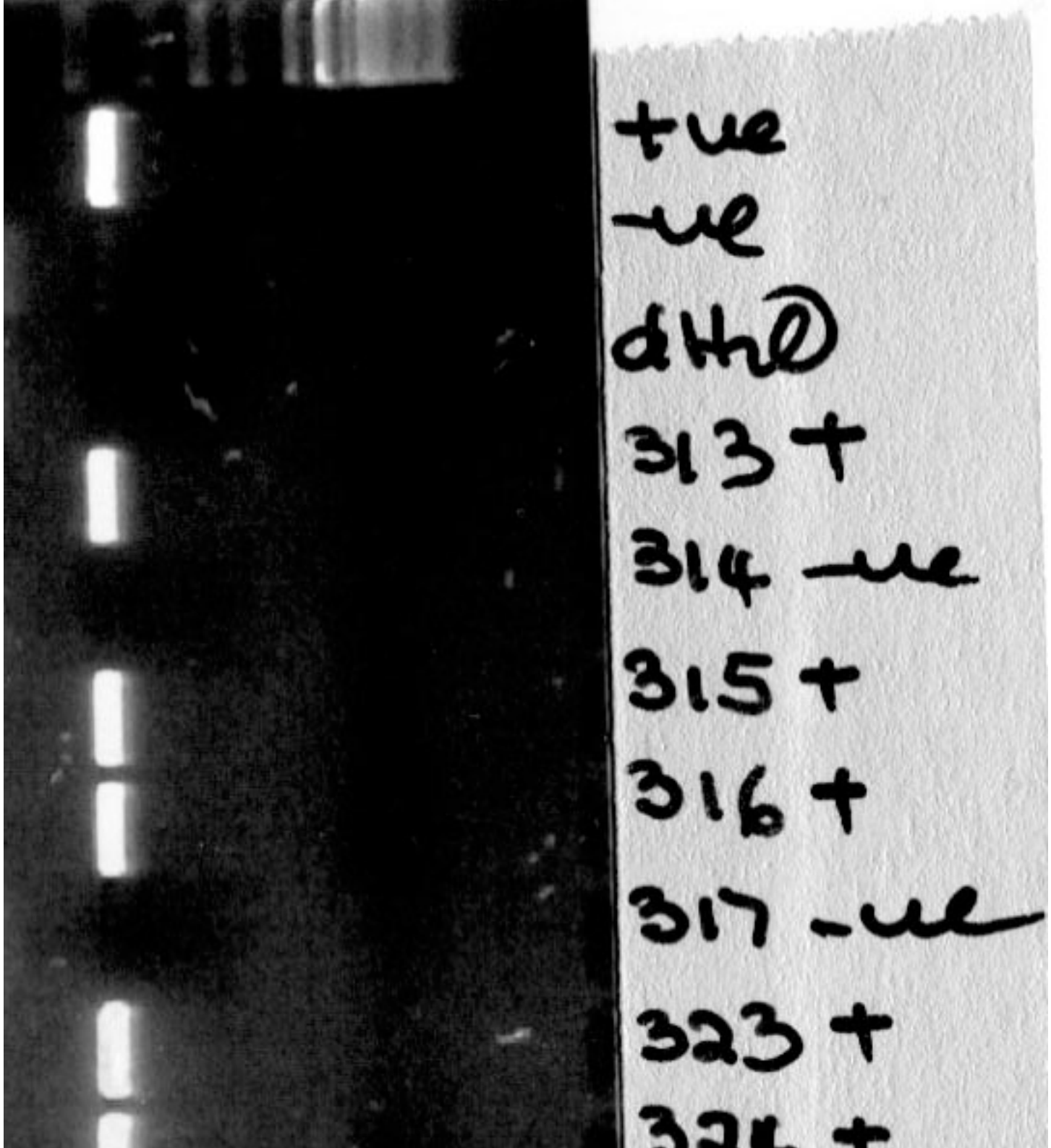
Electrophoresis

Running buffer:	1x TAE Buffer
% Agarose:	1.2
Volt:	100.0
Estimated running time (min):	30.0

Image

Bands

Number	Band (bp)	Genotype
1.	320	LacZ1 Tg


+ve
-ve
dH2O
313 +
314 -ve
315 +
316 +
317 -ve
323 +