PCR: B-thy B –D11Mit29 (37.2cM)

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
D11Mit29 F	TTGAGGCATGAGGGGATTAG
D11Mit29 R	TTTCCGTCATTGCTAAAGGG

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer		20.0 mM MgCl2	5.0
dNTPs		10.0 mM	1.0
Primer: **D11Mit29 F**		6.6 µM	
Primer: **D11Mit29 R**		6.6 µM	
Water			35.45
Taq Polymerase			0.05
Reagent: Tritonx100 10%			0.5
Reagent: 25mM MgCl2			4.0

Comments on protocol: DNA Sample (ear punch)

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	120
Denaturation	94.0	20
Annealing	55.0	20
Elongation	72.0	20
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	180
Finish (i.e. 4°C, indefinite)	10.0	Hold

Electrophoresis

Running buffer:	
% Agarose:	4.5
Volt:	400.0
Estimated running time (min):	30.0

Bands

Number	Band (bp)	Genotype
1.	144	C57BL/6J
2.	150	NOD