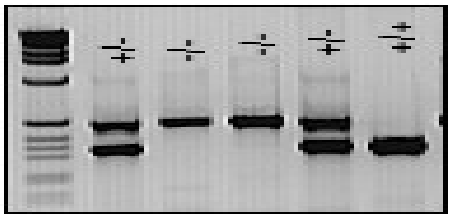
Gel Image

IL-2



Expected Results: Mutant=500 bp
Heterozygote = 324 bp and 500 bp
Wild type=324 bp

Gel Information: Separated by gel electrophoresis on a 1.5% agarose gel.

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Primer Type
oIMR0041	-	TCG AAT TCG CCA ATG ACA AGA CGC T	-	Mutant Forward
oIMR7338	-	CTA GGC CAC AGA ATT GAA AGA TCT	-	Internal Positive Control Forward
oIMR7339	-	GTA GGT GGA AAT TCT AGC ATC ATC C	-	Internal Positive Control Reverse

Reaction/Components

Reaction/Components

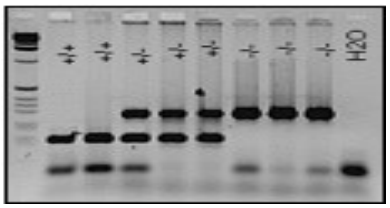
Reaction Component	Final Concentration
ddH2O	-
10 X AB PCR BufferII	1 X
25 mM MgCl2	2.88 mM
2.0 mM dNTP	0.20 mM
20 uM oIMR0041	1.17 uM
20 uM oIMR7338	0.33 uM
20 uM oIMR7339	0.67 uM
5 U/ul Taq DNA Polymerase	0.01 U/ul
DNA 2ul	

Cycling

Step #	Temp °C	Time	Note
1	94	3 min	-
2	94	30 sec	-
3	64	45 sec	-
4	72	45 sec	repeat steps 2-4 for 35 x
5	72	2 min	-
6	4	-	hold

Gel Image

IL-2 Rα (CD25)



Expected Results: Mutant = 280 bp
Heterozygote = 146 bp and 280 bp
Wild type = 146 bp

Gel Information: Separated by gel electrophoresis on a 1.5% agarose gel.

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Primer Type
oIMR0461	-	CTG TGT CTG TAT GAC CCA CC	-	Wild type Forward
oIMR0462	-	CAG GAG TTT CCT AAG CAA CG	-	Wild type Reverse
oIMR6916	-	CTT GGG TGG AGA GGC TAT TC	-	Mutant Forward
oIMR6917	-	AGG TGA GAT GAC AGG AGA TC	-	Mutant Reverse

Reaction / Components

Reaction Component	Final Concentration
ddH2O	-
10 X AB PCR BufferII	1.00 X
25 mM MgCl2	2.50 mM
2.5 mM dNTP	0.20 mM
20 uM oIMR6916	1.00 uM
20 uM oIMR6917	1.00 uM
20 uM oIMR0461	0.50 uM
20 uM oIMR0462	0.50 uM
5 U/ul Taq DNA Polymerase	0.0125 U/ul
DNA	2ul

Cycling

Step #	*Temp °C*	*Time*	*Note*
1	*94*	*3 min*	-
2	*94*	*20 sec*	-
3	*64*	*30 sec*	-
4	*72*	*30 sec*	*repeat steps 2-4 for 12x*
5	*94*	*20 sec*	-
6	*58*	*30 sec*	
7	72	36 sec	repeat steps 5-7 for 25x
8	72	2 min	-
9	4	hold	-