

## Foxp3 KO PCR Genotyping

(revised)

### Oligos:

**KO-Fp3-A**            5' – tat gtg gcc tgc aca gag tg– 3'

**KO-Fp3-C**            5' – gaa gcg gga caa agc agt ta– 3'

**KO-Fp3-F**            5' – ctg cag ctc cag aag tac cc– 3'

### Cycling Rxn:

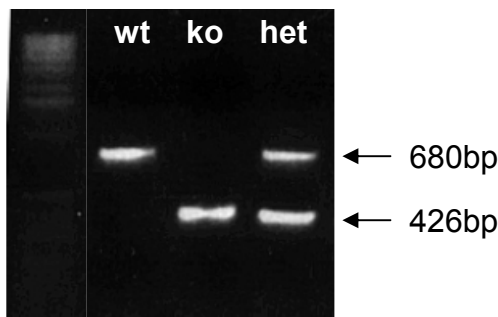
94°	2:00	} 30X
94°	0:15	
61°	0:15	
72°	0:50	
4°	∞	

### 1 Rxn:

10x Buffer.....	2.5	λ
50 mM MgCl <sub>2</sub> .....	1.0	λ
10mM dNTP mix.....	0.5	λ
10μm KO-Fp3-A.....	0.5	λ
10μm KO-Fp3-C.....	1.0	λ
10μm KO-Fp3-F.....	0.5	λ
H <sub>2</sub> O.....	13.87	λ
Tail DNA.....	5.0	λ
Taq.....	<u>0.125</u>	<u>λ</u>
	<b>25</b>	<b>λ</b>

### Results:

Wildtype (wt) = 680 bp  
Knock Out (ko) = 426 bp  
Heterozygote (het) = 680 bp & 426 bp



1.5% Agarose Gel

### Notes:

KO-Fp3-A + KO-Fp3-C produce the 426bp fragment from the KO allele

KO-Fp3-C + KO-Fp3-F produce the 853bp fragment from the wt allele

For details on the targeted locus see:  
Fontenot et al. Nat Immunol. 2003 Apr;4(4):330-6. Additional information can be found at the Rudensky Lab website  
<<http://pilgrim.immunol.washington.edu/>>