

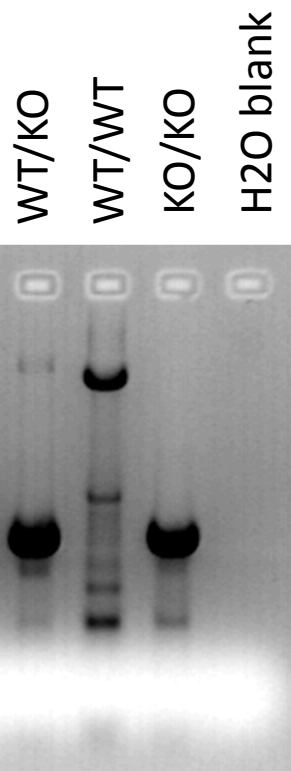
Genotyping Hint2 mice done with Roche Taq #11681842001

DNA template 50ng

22/23 primer pairs

Primer 22 5'-CAT GGG ATG CTG TCG TGA TAG TGA GG-3'

Primer 23 5'-GAA GGG GTA TCT AGT CTT TCG GAG CTG G-3'



WT Hint2 intact allele 5376bp ->

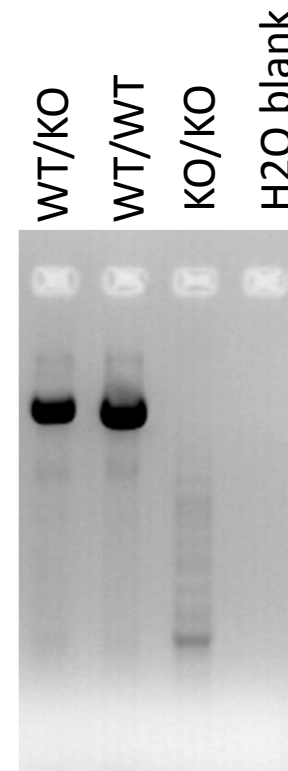
KO Hint2 excised allele 812bp ->

PCR Mix	V(RT react.)	25 µl		PCR conditions:		
				Temperature	Time	nb cycle
Solution	Stock conc.		1 Sample	94°C	2min	1
Dnase-free H2O			15.04 µl	94°C	30 sec	40
Buffer 2	10 x	2.5 µl		65°C	30sec	
dNTP	10 mM	1.3 µl		68°C	7min	
5' Primer 22	33pmole/ul	0.454 µl		68°C	10min	1
3' Primer 23	33pmole/ul	0.454 µl		4°C	∞	
TaqPol-Roche	5.0 U/µl	0.30 µl				
DNA template		5.00 µl				
End volume			25.00 µl			

29/30 primer pairs

Primer 29 5'-CAG GAT ACA GAT GCC ACC CTT ACC C-3'

Primer 30 5'-CCA GTC TCT CAC CTG TCA TTG CTC C-3'



WT Hint2 intact allele 3100bp ->

PCR Mix	V(RT react.)	25 µl		PCR conditions:		
				Temperature	Time	nb cycle
Solution	Stock conc.		1 Sample	94°C	2min	1
Dnase free H2O			15.04 µl	94°C	30 sec	35
Buffer 2	10 x	2.5 µl		65°C	30sec	
dNTP	10 mM	1.3 µl		68°C	5min	
5' Primer 29	33pmole/ul	0.454 µl		72°C	8min	1
3' Primer 30	33pmole/ul	0.454 µl		4°C	∞	
TaqPol-Roche	5.0 U/µl	0.30 µl				
DNA template		5.00 µl				
End volume			25.00 µl			