EMMA ID: *01784*
Gene: *Csrp2*
Common name: *CSRP2 ko*
Allele: *Csrp2* ^{tm1Rawe}

Genotyping Information

Genotyping by end-point PCR based on gel is composed of a genespecific short range PCR using primers on wild type allele and a mutant allele-specific short range PCR. The combined results show the genotype of the mice. For example: mutant positive, wild type positive = Heterozygous.

PCR primer pairs and expected size bands

Assay	Forward Primer	Reverse Primer	Expected Size Band (bp)
Wildtype	31	30	218
Mutant	31	Neo	422

Primer sequences

Primer Name	Sequence 5' --> 3'
31	5’ CTA CCT TCC CAG CTC CAA TGA TC 3
30	5’ CAG CAG TAG AGC TCC GAA GCT CC
Neo	5’CTGCTCTTTACTGAAGGCTCTTT3’

PCR setup (Qiagen, Hot Start Plus)

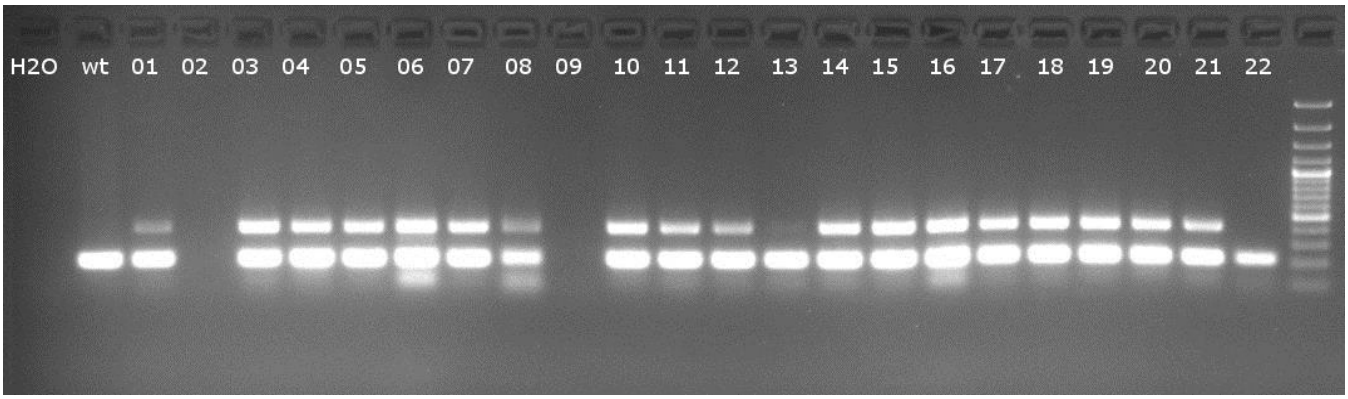
Component	Volume (µl) 1x	Final conc.
DNA (~ 50-100 ng)	2	
Q-Solution (5x)	2,5	0,5
PCR-Buffer (10x)	2,5	1

Amplification conditions

PCR Settings	Temperature (°C)	Time	# of cyles
1 Denaturation (Melting)	95°C	5 min	1
2 Amplification (Melting, Annealing, Polym.)	94°C 50°C 72°C	30 sec 45 sec 45 sec	39
3 Polymerisation	72°C	10 min	1
4 Cooling	12°C	hold	1

These PCR conditions have been optimized for our methods and preparation kits. Adaptions may be required.

Gel Image



Separated by gel electrophoresis on a 2% agarose gel.