



CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

EMMA ID number	EM:05942
Mouse mutant strain	B6.129(Cg)-Hrastm2Xbr/Cnbc
Gene/Locus affected	Hras
MGI ID number	MGI:3803587
Mouse strain common name	Hras1tm2Xbr
Owner/Provider of this mouse strain	Mariano Barbacid
DNA primers for wild-type allele	Hras1F_13B1: 5'-TCTAATTTGGGTGCGTGTTG-3' Hras1R_13B2: 5'-CCACTTGAGACGGCTAATAGATGC-3'
PCR conditions for wild-type allele	Program: 1'94°;35x(30"94°,30"60°,30"72°);7'72° PCR product: WT: 230bp Lox(cre-excised): 430bp
DNA primers for mutant allele	Hras1R_13B2: 5'-CCACTTGAGACGGCTAATAGATGC-3' Stop_13B3: 5'-TCAGCCATACCACATTTGTAGAGG-3'
PCR conditions for mutant allele	Program: 1'94°;35x(30"94°,30"60°,30"72°);7'72° PCR product: Stop: 490bp
Source of genotyping information	Provider or PubMed ID: 18483625, 18823404
Comments	Comments