



EMMA
mouse repository



INFRAFRONTIER
mouse disease models

CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

EMMA ID number	EM:05666
Mouse mutant strain	B6;129P2-Trp53tm4Holl/Cnbc
Gene/Locus affected	Trp53
MGI ID number	MGI:98834
Mouse strain common name	platform (plf) mouse (B6;129P2(p53) TM182/Dkfz)
Owner/Provider of this mouse strain	Monica Hollstein
DNA primers for wild-type allele	mExGF: 5' -ACAGCGTGGTGGTACCTTAT-3' mEx7R: 5' -TATACTCAGAGCCGGCCT-3'
PCR conditions for wild-type allele	Program: 5'94°;35x(30"94°,30"60°,45"72°);10'72° PCR product: 450 bp
DNA primers for mutant allele	rsneo4: 5' -GGCTATTCGGCTATGACTGGGC-3' rsneo5: 5' -GGGTAGCCAACGCTATGTCCTG-3'
PCR conditions for mutant allele	Program: 5'94°;35x(30"94°,30"67°,45"72°);10'72° PCR product: 600 bp
Source of genotyping information	Provider or PubMed ID: 21445009
Comments	Comments