



EMMA
mouse repository



INFRAFRONTIER
mouse disease models

CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

EMMA ID number	EM:04655
Mouse mutant strain	B6;129S2-Nr4a1tm1Jmi/Cnbc
Gene/Locus affected	Nr4a1
MGI ID number	MGI:1352454
Mouse strain common name	Nr4a1(tm1Jmi)
Owner/Provider of this mouse strain	Jeffrey Milbrandt
DNA primers for wild-type allele	Common: 5' -GTACACCGGAGAGTTTGACACCT-3' WT: 5' -CATAGTACTCAGAGCCGCGGGAG-3'
PCR conditions for wild-type allele	Program: 3'94°;35x(30"94°,30"60°,1'72°);10'72° PCR product: 250 bp
DNA primers for mutant allele	Common: 5' -GTACACCGGAGAGTTTGACACCT-3' KO: 5' -ACGAGACTAGTGAGACGTGC-3'
PCR conditions for mutant allele	Program: 3'94°;35x(30"94°,30"60°,1'72°);10'72° PCR product: 450 bp
Source of genotyping information	Provider or PubMed ID: 7624775, 7623827, 9466414, 17515897, 19741162
Comments	Comments