



EMMA
mouse repository



INFRAFRONTIER
mouse disease models

CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

EMMA ID number	EM:05931
Mouse mutant strain	STOCK Cdk2tm2Sgo/Cnbc
Gene/Locus affected	Cdk2
MGI ID number	MGI:104772
Mouse strain common name	Cdk2tm2Sgo
Owner/Provider of this mouse strain	Mariano Barbacid
DNA primers for wild-type and lox allele	Cdk2-3B8: 5'-CAAGTTGACGGGAGAAGTTGTG-3' Cdk2-3B9: 5'-GAAGACCCTCCAGGTGAATGAA-3'
PCR conditions for wild-type and lox allele	Program: 2'94°;30x(30"94°,30"60°,30"72°);10'72° PCR product: WT 200 bp, lox 670 bp
DNA primers for KO allele	Cdk2-3B8: 5'-CAAGTTGACGGGAGAAGTTGTG-3' Cdk2-IN3R3: 5'-GCGATAAGCTTCGAGGGACC-3'
PCR conditions for KO allele	Program: 2'94°;30x(30"94°,30"60°,30"72°);10'72° PCR product: 360 bp
Source of genotyping information	Provider or PubMed ID: 12923533, 19383288, 17700700, 20609353
Comments	Comments