



CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

EMMA ID number	EM:06839
Mouse mutant strain	B6.129(CD1)-Cdk6tm1Bbd/Cnbc
Gene/Locus affected	Cdk6
MGI ID number	MGI: 1277162
Mouse strain common name	Cdk6tm1Bbd; Cdk6_KO; Cdk6-
Owner/Provider of this mouse strain	Mariano Barbacid
DNA primers for wild-type allele	Cdk6f_4B3: 5' -CGCGAGTgCGACTCCCC-3' Cdk6r_4B1: 5' -ATTGGCAAACACATTCTTACACATT-3'
PCR conditions for wild-type allele	Program: 1'94°;30x(30''94°,30''60°,30''72°);10'72° PCR product: 650 bp
DNA primers for mutant allele	Cdk6r_4B1: 5' -ATTGGCAAACACATTCTTACACATT-3' PGKr_2B2: 5' -GCCTACCCGCTTCCATTGCT-3'
PCR conditions for mutant allele	Program: 1'94°;30x(30''94°,30''60°,30''72°);10'72° PCR product: 530 bp
Source of genotyping information	Provider or PubMed ID: 121321344
Comments	There are a collection of pseudogenes that may give an apparent WT fragment (in KO animals), especially in unoptimized PCRs. An artifactual 800bp fragment is seen occasionally. Do not confound with WT fragment and dismiss.