



CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

EMMA ID number	EM:06109
Mouse mutant strain	STOCK Aurkbtm1.1Mama/Cnbc
Gene/Locus affected	Aurkb
MGI ID number	MGI:107168
Mouse strain common name	Aurkbtm1.1Mama
Owner/Provider of this mouse strain	Marcos Malumbres
DNA primers for wild-type allele	134-F: 5'-AGGGCCTAATTGCCTCTTGT-3' 100-R: 5'-GGGCATGAATTCTTGAGTCG-3'
PCR conditions for wild-type allele	Program: 4'94°;35x(30''94°,30''60°,1'72°);10'72° PCR product: WT 358 bp, lox 491 bp, KO 200-300 bp
DNA primers for mutant allele	100-R: 5'-GGGCATGAATTCTTGAGTCG-3' 70-F: 5'-AGAGGTCTCCCTGCCTCTG-3' KO allelele.
PCR conditions for mutant allele	Program: 4'94°;35x(30''94°,30''60°,1'72°);10'72° PCR product: WT no band, lox no band, KO 364 bp
Source of genotyping information	Provider or PubMed ID: 21613325
Comments	Comments