



**EMMA**  
mouse repository



**INFRAFRONTIER**  
mouse disease models

**CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node**

**GENOTYPING PROTOCOL**

EMMA ID number	<b>EM:05013</b>
Mouse mutant strain	<b>CBACa;129P2-Prkab1Gt(RRR454)Byg/WtsiCnbc</b>
Gene/Locus affected	<b>Prkab1</b>
MGI ID number	<b>MGI:1336167</b>
Mouse strain common name	<b>Prkab1 genetrapp</b>
Owner/Provider of this mouse strain	<b>Karen Steel</b>
DNA primers for wild-type allele	Prkab1-F: 5'-ACACACACACAGAGGCATGG-3' Prkab1-WT R: 5'-AATTCACAGGACATAGGATGTGG-3'
PCR conditions for wild-type allele	Program: 5'94°;35x(30"94°,30"59°,45"72°);10'72° PCR product: 665bp
DNA primers for mutant allele	Prkab1-F: 5'-ACACACACACAGAGGCATGG-3' Prkab1-MUT-R: 5'-CCAAAAGGGTCTTTGAGCAC-3'
PCR conditions for mutant allele	Program: 2'94°;30x(1'94°,30"63°,30"72°);10'72° PCR product: 495 bp
Source of genotyping information	
Comments	<b>Comments</b>