



**EMMA**  
mouse repository



**INFRAFRONTIER**  
mouse disease models

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

**GENOTYPING PROTOCOL**

EMMA ID number	<b>EM:04371</b>
Mouse mutant strain	<b>NMRI.Cg-Tg(CAG-cre)1Nagy/Cnbc</b>
Gene/Locus affected	<b>Tg(CAG-cre)1Nagy</b>
MGI ID number	<b>MGI:3586452</b>
Mouse strain common name	<b>pCX-NLS-cre</b>
Owner/Provider of this mouse strain	<b>Andras Nagy</b>
DNA primers for wild-type allele	A: 5' -GGTTATTGTGCTGTCTCATCA-3' B: 5' -ATATCCTGGCAGCGATCGCTA-3'
PCR conditions for wild-type allele	Program: 2'94°;35x(30"94°,30"53.8°,1'72°);10'72° PCR product: 320 bp
DNA primers for mutant allele	CRE1: 5' -ATGGCCAATTTACTGACCGT-3' CRE3: 5' -TTCACCGGCATCAACGTT-3'
PCR conditions for mutant allele	Program: 2'94°;40x(30"94°,30"52°,1'72°);10'72° PCR product: 450 bp
Source of genotyping information	<b>Provider or PubMed ID: 15784609</b>
Comments	<b>Recommended final Mg2+ for A/B PCR is 1.5 mM</b> <b>Recommended final dNTPs for A/B is 0.2 mM each</b> <b>Recommended final primers for A/B is 0.4 µM each</b>