



EMMA
mouse repository



INFRAFRONTIER
mouse disease models

CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

EMMA ID number	EM:06085
Mouse mutant strain	STOCK Tyrc Gpr143tm1Inc/Cnbc
Gene/Locus affected	Gpr143, Tyr
MGI ID number	MGI:107193, 98880
Mouse strain common name	HsdWin:NMRI;B6N.129-Gpr143tm1Inc/Cnbc
Owner/Provider of this mouse strain	Enrico Maria Surace
DNA primers for OA1 gene	Oa1-F: 5'-ACATGACGCCCAATCTCCCTC-3' Oa1-R: 5'-TAGACTACCCTCTGAGTCCAG-3'
PCR conditions for OA1 gene	Program: 6'97°;35x(30"95°,45"54°,45"72°);10'72° PCR product: 500 bp
DNA primers for HPRT (KO allele)	HPRT-ex3-F: 5'-TAAGTTCTTTGCTGACCTGCT-3' HPRT-ex9-R: 5'-GGCTTTGTATTTGCCTTTTCC-3'
PCR conditions for HPRT (KO allele)	Program: 6'97°;35x(30"95°,45"54°,45"72°);10'72° PCR product: 400 bp
Source of genotyping information	Provider or PubMed ID: 11092754, 11095635, 16023414, 16303920, 18697795, 19717472
Comments	Comments