



CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

EMMA ID number	EM:06074
Mouse mutant strain	FVB.Cg-Tg(Kap)L49Msgr/Cnbc
Gene/Locus affected	Tg(Kap)L49Msgr
MGI ID number	MGI:5792809
Mouse strain common name	KAP L49 (FVB background)
Owner/Provider of this mouse strain	Anna Meseguer
DNA primers for Tg KAP	TgF-3'transR: 5'-CATCTGTTGAGTGCCTCTGC-3' TgR-49PCR-R: 5'-CTGGTCTCTGTGCTTCCA-3'
PCR conditions for Tg KAP	Program: 3'95°;30x(15'95°,15''60°,30''72°);10'72° PCR product: 500 bp
DNA primers for endogenous gene control (GAPDH)	GAPDH-F: 5'-TCAACGGGAAGCCCATCA-3' GAPDH-R: 5'-TGATGGGTGTGAACCACGAG-3'
PCR conditions for endogenous gene control (GAPDH)	Program: 3'95°;30x(15'95°,15''60°,30''72°);10'72° PCR product: 200 bp
Source of genotyping information	Provider or PubMed ID: 19332469, 21906672
Comments	GAPDH is provided as a control for DNA PCR analysis. GAPDH analytical band (200 bp) should be present in all mice. Transgenic KAP mice should have, in addition, the 500bp analytical band with the Tg-specific primers.