

mEMS669 (pEMS1302 promoterless) ESC derivation

pEMS1302 was electroporated into mEMS21 (E14TG2a) embryonic stem cells (ESCs) generating positive constructs (identified by PCR – see pEMS1302 genotyping assay).

mEMS669, mEMS673, mEMS680 and mEMS682 were identified as correctly targeted ESC lines.

These ESC lines were microinjected into C57BL/6J (JAX Stock#000664). Resulting chimeras were bred to C57BL/6J (JAX Stock#000664), and germline N1 progeny identified by the presence of the A^w (agouti, white belly) coat color allele.

The pEMS1302 promoterless strain (B6129P2-*Hprt1*^{tm5(EGFPCre;mEMS669)Ems}) was established from the mEMS669 ESC line (see mEMS669 (pEMS1302 promoterless) Mouse description file).