

Ple79 (mEMS525) ESC derivation (GABRA6-C)

pEMS1059 was electroporated into mEMS21 (E14TG2a) embryonic stem cells (ESCs) generating positive constructs (identified by PCR – see Ple79 genotyping assay).

mEMS524, mEMS525, mEMS526 and mEMS528 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 females, and germline N1 progeny identified by the presence of the A^w (agouti, white belly) coat color allele.

The Ple79 strain (B6.129P2-*Hprt1*^{tm29(Ple79-EGFP/cre/NLS5)Ems}) was established from the mEMS525 ESC line (see Ple79 (mEMS525) Mouse description file).