

Ple77 (mEMS554) ESC derivation (GABRA6-A)

pEMS1057 was electroporated into mEMS21 (E14TG2a) embryonic stem cells (ESCs) generating positive constructs (identified by PCR – see Ple77 genotyping assay).

mEMS554, mEMS555, mEMS563 and mEMS567 were identified as the 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 the A^w (agouti, white belly) coat color allele.

The Ple77 strain (B6.129P2-*Hprt1*^{tm28(Ple77-EGFP/cre/NLS)Ems}) was established from the mEMS554 ESC line (see Ple77 (mEMS554) Mouse description file).