



**CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node**

**GENOTYPING PROTOCOL**

EMMA ID number	<b>EM:05015</b>
Mouse mutant strain	<b>STOCK Sox2ysb/WtsiCnbc[cc]</b>
Gene/Locus affected	<b>Sox2</b>
MGI ID number	<b>MGI:98364</b>
Mouse strain common name	<b>Yellow submarine</b>
Owner/Provider of this mouse strain	<b>Karen Steel</b>
DNA primers for for for transgene integration site 1	S10: 5' -AGGGAAGTCGAGATGAGC-3' S22: 5' -GTCAGGCAGAGCAGAAGT-3' S26: 5' -CCAAGAGTTCAGTCCGTG-3'
PCR conditions for transgene integration site 1	Program: 5'94°;35x(30''94°,30''58°,45''72°);10'72° PCR product: to generate a 250-bp non-transgenic and a 335-bp transgenic specific amplicon. Both amplicons are amplified from heterozygous DNA
DNA primers for for for transgene integration site 2 to confirm non-segregation of integrated transgenes	S10: 5' -AGGGAAGTCGAGATGAGC-3' S19: 5' -AACCTATTCCTGGCACTG-3' S25: 5' -CAAGGAGTAAGGGACCAG-3'
PCR conditions for transgene integration site 2	Program: 5'94°;35x(30''94°,30''58°,45''72°);10'72° PCR product: to generate a 169-bp non-transgenic and a 256-bp transgenic specific amplicon. Both amplicons are amplified from heterozygous DNA
Source of genotyping information	<b>Provider or PubMed ID: 20137778, 12036291, 15846349</b>
Comments	<b>Comments</b>