



CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node

GENOTYPING PROTOCOL

| | |
|-------------------------------------|---|
| EMMA ID number | EM:05047 |
| Mouse mutant strain | C3HeB/FeJ-Atp2b2Obv/legWtsiCnbc |
| Gene/Locus affected | Atp2b2 |
| MGI ID number | MGI:105368 |
| Mouse strain common name | Oblivion |
| Owner/Provider of this mouse strain | Karen Steel |
| DNA primers for wild-type allele | EX15F2: 5' -TTCTCCCTGCCACTGTCGTAG-3' Ob1RTR3: 5' -GGTGGCTCTGTGGCCAGGGCCAAG-3' |
| PCR conditions for wild-type allele | Program: 1'94°;35x(30"95°,30"60°,30"72°);10'72° PCR product: bp |
| DNA primers for mutant allele | |
| PCR conditions for mutant allele | |
| Source of genotyping information | Provider or PubMed ID: 15353999, 18974863 |
| Comments | After PCR, restrict with Styl enzyme overnight and DNA containing the mutant sequence at Atp2b2 locus will remain approximately 110bp in size, whereas wild-type DNA will be smaller in size (90bp) |