### S1 Table. Specific primers for sequencing, qPCR and PCR analysis of MCB gDNA

| Name         | Primer sequence 5' to 3' | Target                                                                 |
|--------------|--------------------------|------------------------------------------------------------------------|
| SQ-5CH6-F    | GCC GCT GCT TCC TGT GAC  | p1.1 and p12 expression vectors                                        |
| SQ-3CH1-R    | ACA AAC AGT TCT GAG ACC G |                                                                        |
| IRESA rev    | AGG TTT CCG GGC CCT CAC ATT G | EMCV IRES                                                            |
| SQ-FA-F      | CAC GCT ACA GGA AAA CCC  | Human FSH alpha-chain ORF                                              |
| SQ-FA-R      | TCT TGG ACC TTA GTG GAG TG |                                                                        |
| SQ-FB-F      | GCC CAA AAT CCA GAA AAC  | Human FSH beta-chain ORF                                               |
| SQ-FB-R      | ACA ATC AGT GCT GTC GCT  |                                                                        |
| RT-ID-F      | GCC ACA AGA TCT GCC ACC ATG | Transgene region, including the attenuated EMCV IRES element and mouse dhfr gene |
| RT-ID-R      | GTA GGT CTC CGT TCT TGC CAA TC |                                                                        |
| RT-HYG-F     | TTC GGC TCC AAC AAT GTC  | Hygromycin B resistance gene from p1.2 expression vector (hygromycin B phosphotransferase) |
| RT-HYG-R     | GTC TGC TGC TCC ATA CAA G |                                                                        |
| RT-PPIB-F    | GCA GGC AAA GAC ACC AAT G | CHO peptidyl-prolyl isomerase B (PPIB) gene                            |
| RT-PPIB-R    | CTC CAC CTT CCT CAC TAC ATC |                                                                        |

F = forward primer; R = reverse primer. The RT-ID-F and RT-ID-R pair contains one primer to the IRES sequence of ECMV and the reverse primer to mouse dihydrofolate reductase gene region. Oligonucleotides were synthesized by Evrogen, JSC (Moscow, Russia).