**Supplementary Figure 1.**

**RT-qPCR**

| Gene | | Sequence 5'-3' | Length |
|------|---------|----------------------------|--------|
| c-fos | Forward | ACCATGATGTTCTCGGGTTTCAA | 23 |
| | Reverse | GCTGGTGGAGATGGCTGTCAC | 21 |
| c-jun | Forward | TGAAAGCTGTGTCCCCTGTC | 20 |
| | Reverse | ATCACAGCACATGCCACTTC | 20 |
| cox-2 | Forward | CTTCACGCATCAGTTTTTCAAG | 22 |
| | Reverse | TCACCGTAAATATGATTTAAGTCCAC | 26 |
| gapdh | Forward | AGGTCGGTGTGAACGGATTTG | 21 |
| | Reverse | TGTAGACCATGTAGTTGAGGTCA | 23 |

**Genotyping**

| Gene | | Sequence 5'-3' | Length |
|------|-------|-----------------------------|--------|
| Jnk3 | MJ3F3 | CGTAATCTTGTCACAGAAATCCCATAC | 27 |
| | MJ3B3 | CCTGCTTCTCAGAAACACCCTTC | 23 |
| | PGKP1 | CTCCAGACTGCCTTGGGAAAA | 21 |