|  |
| --- |
| Supplementary Table 4: ANOVA for protein or mRNA levels of opioid peptides, anti-opioid peptides or their receptors at different time points in the CNS of EA-treated goats  |
| Nuclei and areas | df | ENK | CCK-8 | OFQ | PENK mRNA | MOR mRNA | CCK mRNA | CCKBR mRNA | PNOC mRNA | OPRL1 mRNA |
| F | p | F | p | F | p | F | p | F | p | F | p | F | p | F | p | F | p |
| CAU | 7 | 10.463  | 0.000  | 9.769  | 0.000  | 74.151  | 0.000  | 3.046  | 0.012  | 8.576  | 0.000  | 11.959  | 0.000  | 2.438  | 0.035  | 9.731  | 0.000  | 4.599  | 0.001  |
| ACB | 7 | 14.842  | 0.000  | 37.139  | 0.000  | 4.787  | 0.001  | 8.733  | 0.000  | 6.976  | 0.000  | 59.930  | 0.000  | 9.669  | 0.000  | 33.259  | 0.000  | 6.469  | 0.000  |
| PVH | 7 | 28.228  | 0.000  | 5.017  | 0.000  | 6.392  | 0.000  | 17.462  | 0.000  | 11.309  | 0.000  | 6.832  | 0.000  | 15.431  | 0.000  | 10.502  | 0.000  | 10.760  | 0.000  |
| PAG | 7 | 19.790  | 0.000  | 91.296  | 0.000  | 19.673  | 0.000  | 16.480  | 0.000  | 5.577  | 0.000  | 15.906  | 0.000  | 6.049  | 0.000  | 1.772  | 0.120  | 25.215  | 0.000  |
| PVT | 7 | 18.971  | 0.000  | 3.537  | 0.005  |  |  | 117.547  | 0.000  | 69.979  | 0.000  | 17.106  | 0.000  | 8.769  | 0.000  |  |  |  |  |
| AMY | 7 | 15.596  | 0.000  | 18.719  | 0.000  |  |  | 6.161  | 0.000  | 5.677  | 0.000  | 3.972  | 0.002  | 1.995  | 0.080  |  |  |  |  |
| SCD | 7 | 27.848  | 0.000  |  |  | 3.277  | 0.008  | 4.190  | 0.002  | 52.663  | 0.000  |  |  |  |  | 18.323  | 0.000  | 9.198  | 0.000  |
| ARC | 7 | 39.429  | 0.000  |  |  |  |  | 87.288  | 0.000  | 76.452  | 0.000  |  |  |  |  |  |  |  |  |
| NRM | 7 | 3.002  | 0.012  | 　 | 　 | 　 | 　 | 8.167  | 0.000  | 22.226  | 0.000  | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

F, p and df values for protein or mRNA levels of opioid peptides, anti-opioid peptides or their receptors among 0, 0.5, 2, 4, 6, 12, 18 and 30 h in the CNS of EA-treated goats were analyzed with one-way ANOVA.

ENK: enkephalin; CCK-8: cholecystokinin octapeptide; OFQ: orphanin FQ, PENK: preproenkephalin; MOR:µ- opioid receptor; CCK: cholecystokinin; CCKBR: CCKB receptor; PNOC: prepronociceptin; OPRL1: opioid receptor-like1 receptor; ACB: the nucleus accumbens; CAU: the caudate nucleus; PVT: the paraventricular nucleus of the thalamus; PVH: the paraventricular nucleus of the hypothalamus, ARC: the arcuate nucleus, AMY: the amygdala; PAG: the periaqueductal grey; NRM: the nucleus raphe magnus; SCD: the spinal cord dorsal horn.