

Supplementary Material

Table S1. Number and gender of animals used in each experimental protocol.

| Experimental protocol | WT | | TAAR5-KO | |
|---|-------|---------|----------|---------|
| | Males | Females | Males | Females |
| LacZ histochemistry | 5 | 6 | 8 | 6 |
| Locomotor activity in actometer apparatus | 6 | 5 | 5 | 6 |
| Circular Open Field Test | 9 | - | 9 | - |
| Light-Dark Transition Test | 9 | - | 6 | - |
| Elevated Zero-Maze Test | 7 | 2 | 10 | 3 |
| Elevated Plus Maze Test | 10 | - | 9 | - |
| Learned Helplessness Test | 11 | 6 | 12 | 10 |
| HPLC measurements of the tissue content of serotonin and its metabolite | 8 | - | 8 | - |
| 8-OH-DPAT-induced hypothermia test (0.2 mg/kg, i.p.) | 4 | 4 | 5 | 3 |
| 8-OH-DPAT-induced hypothermia test (0.5 mg/kg, i.p.) | 4 | 3 | 3 | 3 |
| 8-OH-DPAT-induced hypothermia test (1 mg/kg, i.p.) | 3 | 3 | 4 | 4 |

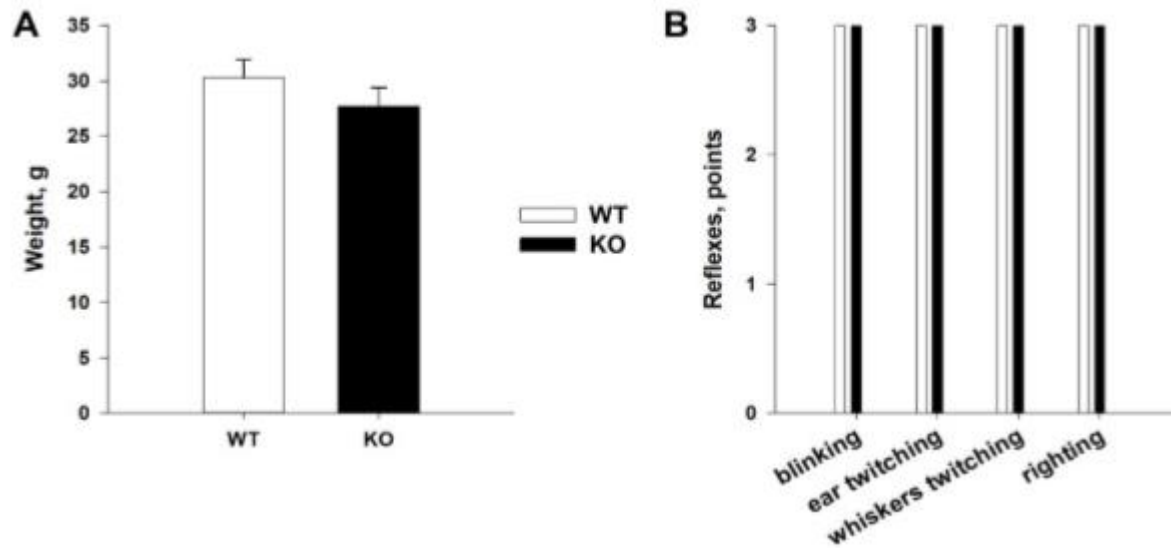


Figure S1. General behavioral profile of TAAR5-KO mice (both sexes). A. Weight of the animals (WT: n = 9; KO: n = 8). B. Sensory reflexes and motor abilities were evaluated in concordance with 3-point scale where 3 – norm; 2 – decreased state; 1 - absence. (WT: n = 13; KO: n = 10).