**Supplementary Table 1. The brain regions analyzed for OTR binding with the Bregma coordinates from which they were identified.**

|  |
| --- |
| OTR Binding |
| Bregma Coordinates | **Brain Region Analysed** |
| 2.80mm | Anterior Olfactory Nucleus (AOM + AOV + AOL)Lateral Orbital Cortex (LO)Ventral Orbital Cortex (VO)Medial Orbital Cortex (MO)Frontal Association Cortex (FrA)Granule Cell Layer of the Olfactory Bulb (GrO) |
| 1.10mm | Nucleus Accumbens (AcbC + AcbSh)Olfactory Tubercle (Tu)Piriform Cortex (Pir)Dorsal Endopiriform Nucleus (DEn)Medial Septal Nucleus (MS)Nucleus of the vertical limb of the diagonal band (VDB)Anterior Cingulate Cortex (Cg1 + Cg2)Lateral Septal Nucleus (LS) |
| -2.06mm | Fields CA2 and CA3 of the Hippocampus (CA2 + CA3)Medial Habenular nucleus (MHb)Temporal Association Cortex (TeA)Primary Somatosensory Cortex (S1)Retrosplenial Granular Cortex (RSG)Thalamus (Th)Hypothalamus (Hyp)Amygdala (Amy) |
| -2.54mm | Lateral Entorhinal Cortex (LEnt)Auditory Cortex: (Au1 + AuD + AuV)Visual Cortex: (V1 + V2L + V2ML + V2MM)Substantia Nigra (SN)Ventral Tegmental Area (VTA)Periaqueductal Grey (PAG) |

**Supplementary Table 2. The brain regions analyzed for OTR binding with the Bregma coordinates from which they were identified.**

|  |
| --- |
| MOPr Binding |
| Bregma Coordinates | **Brain Region** |
| 2.80mm | Anterior Olfactory Nucleus (AOM + AOV + AOL)Lateral Orbital Cortex (LO)Ventral Orbital Cortex (VO)Medial Orbital Cortex (MO)Frontal Association Cortex (FrA) |
| 2.10mm | Primary and Secondary Motor Cortex (M1 + M2) |
| 1.98mm | Primary Somatosensory Cortex (S1) |
| 1.10mm | Nucleus Accumbens (AcbC + AcbSh)Olfactory Tubercle (Tu)Piriform Cortex (Pir)Dorsal Endopiriform Nucleus (DEn)Medial Septal Nucleus (MS)Nucleus of the vertical limb of the diagonal band (VDB)Anterior Cingulate Cortex (Cg1 + Cg2)Lateral Septal Nucleus (LS) |
| -2.06mm | Fields CA2 and CA3 of the Hippocampus (CA2 + CA3)Medial Habenular nucleus (MHb)Temporal Association Cortex (TeA)Primary Somatosensory Cortex (S1)Retrosplenial Granular Cortex (RSG)Thalamus (Th)Hypothalamus (Hyp)Amygdala (Amy)Dorsal Dentate Gyrus (dDG) |
| -2.54mm | Lateral Entorhinal Cortex (LEnt)Auditory Cortex: (Au1 + AuD + AuV)Visual Cortex: (V1 + V2L + V2ML + V2MM)Substantia Nigra (SN)Ventral Tegmental Area (VTA)Periaqueductal Grey (PAG) |