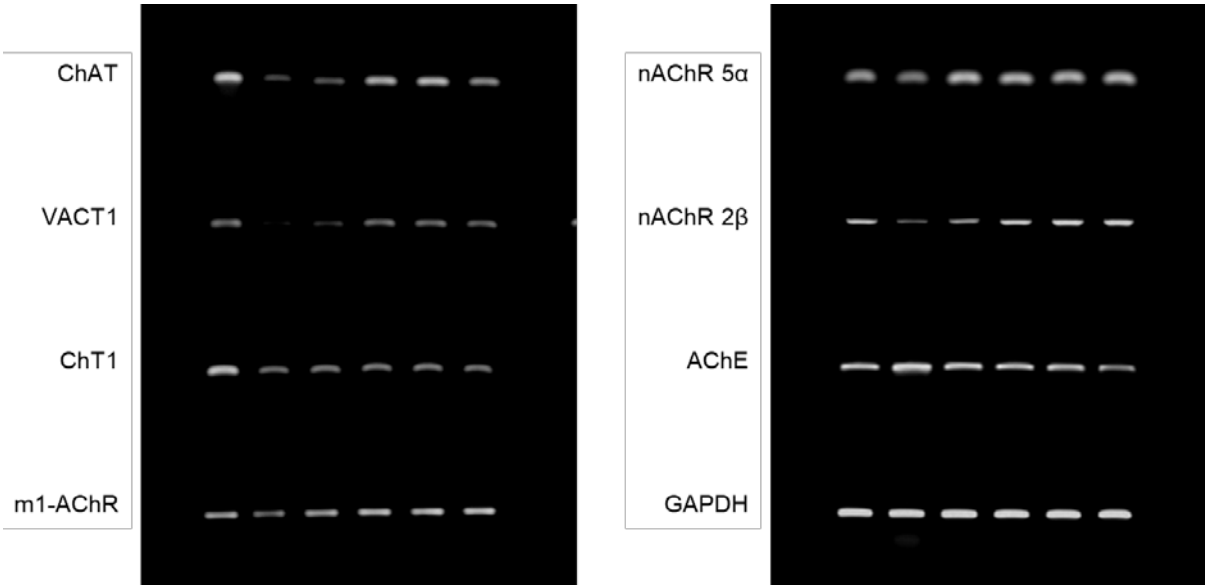


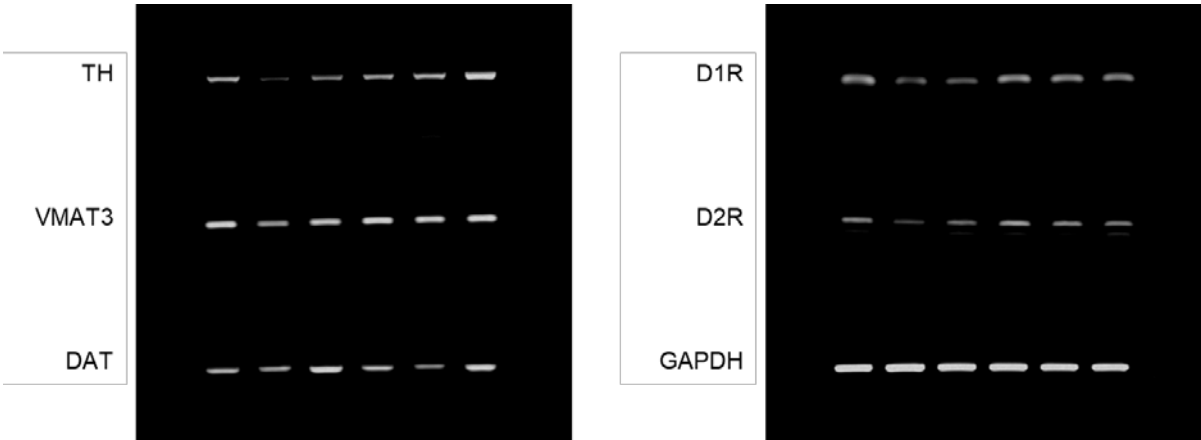
Supplementary Table S1. Primer sequences used for the analysis of cholinergic and dopaminergic system markers in the brain tissue

Gene	Primer	Sequences
ChAT	Forward	5'-TTCTTGTGCTTGTCATCATATGTTTC-3'
	Reverse	5'-CGGTGTTGGTGTGTGAGCATT-3'
VAChT	Forward	5'-CGCGCTCACCATTGTAACAT-3'
	Reverse	5'-CGGCCATTGTGTGCTTCA-3'
ChT1	Forward	5'-CCCATGCGCTTTCCATAGAT-3'
	Reverse	5'-AGGTGGCCTGTTTTTGGCA-3'
m1AChR	Forward	5'-CCTCCCAAAGCTCCCCA-3'
	Reverse	5'-TGTCCCGGAAGGCTTTGT-3'
nAChR $\alpha 5$	Forward	5'-CAACATCCACCACCGCTCTT-3'
	Reverse	5'-GCAGCTTGGGAAGCTTGTG-3'
nAChR $\beta 2$	Forward	5'-CTTCTATCCAATGCTGTGGTCTCCTATG-3'
	Reverse	5'-AGCGGTACGTCGAGGGAGGTG-3'
AChE	Forward	5'-CCTGTGCGGGCAAATTG-3'
	Reverse	5'-CCTGGATCCCTCGCTGAA-3'
TH	Forward	5'-CCTCCTTGTCTCGGGCTGTAA-3'
	Reverse	5'-CTGAGCTTGTCTTGGCGTCA-3'
VMAT2	Forward	5'-TTAGGAATTTACAACCTCGTCA-3'
	Reverse	5'-GTGAAACTCATTTCTACATTG-3'
DAT	Forward	5'-GGACCAATGTCTTCAGTGGTGGC-3'
	Reverse	5'-GGATCCATGGGAGGTCCATGG-3'
D1R	Forward	5'-CGCGGATCCACAAGCTTCTACAGGATTGCCAGAAAGCAA-3'
	Reverse	5'-CGCGGATCCGAAGCTTTCACTTTAGAACTTTCGTCTCCCT-3'
D2R	Forward	5'-CCTTCATCGTCACTCTGCTGG-3'
	Reverse	5'-CTCCATTTCCAGCTCCTGAG-3'
CCL11	Forward	5'-AGATGCACGCTGAAAGCCATAGTC-3'
	Reverse	5'-GGTGCCGATATTCTCCCATAGCAT-3'
GAPDH	Forward	5'-AACGGATTTGGCCGTATCGG-3'
	Reverse	5'-AGCCTTCTCCATGGTGGTGAAGAC-3'

ChAT: choline acetyltransferase, VAChT: vesicular acetylcholine transporter, ChT1: choline transporter 1, m1-AChR: muscarinic 1 acetylcholine receptor, nAChR, nicotinic acetylcholine receptor, AChE: acetylcholinesterase, TH: tyrosine hydroxylase, VMAT2: vesicular monoamine transporter 2, DAT: dopamine transporter, DR: dopamine receptor, CCL11: chemokine (C-C motif) ligand 11.



Supplementary Figure S1. PCR analysis of cholinergic markers.



Supplementary Figure S2. PCR analysis of dopaminergic markers.